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icam monitor entries acl

[no] icam monitor entries acl [module <module> [inst <inst>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
icam	intelligent CAM
monitor	icam monitor
entries	icam monitor entries stats
acl	icam monitor entries type ACL
module	(Optional) Module Number
module	(Optional) Enter Module Number
inst	(Optional) ASIC/Forwarding Engine Instance Number
inst	(Optional) Enter Instance Number

Command Mode

- /exec/configure

icam monitor scale

[no] icam monitor scale

Syntax Description

no	(Optional) Negate a command or set its defaults
icam	intelligent CAM
monitor	icam monitor
scale	icam monitor scale

Command Mode

- /exec/configure

icam monitor system

[no] icam monitor system

Syntax Description

no	(Optional) Negate a command or set its defaults
icam	ICAM
monitor	icam monitor
system	icam monitor system

Command Mode

- /exec/configure

icam monitor system

[no] icam monitor system { { threshold info <ithres> warning <wthres> critical <cthres> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
icam	ICAM
monitor	icam monitor
system	icam monitor system
threshold	Threshold percentage
info	Info threshold percentage
ithres	Info threshold percentage
warning	Warning threshold percentage
wthres	Warning threshold percentage
critical	Critical threshold percentage
cthres	Critical threshold percentage

Command Mode

- /exec/configure

icmp-echo

[no] icmp-echo { <hostname> | <ip-address> | <ipv6-address> } { [source-ip { <source-ip-hostname> | <source-ip-address> | <source-ipv6-address> }] | [source-interface <interface>] }

Syntax Description

source-ip	(Optional) <source-ip-hostname>
source-interface	(Optional) <interface>
no	(Optional)
icmp-echo	ICMP Echo Operation
hostname	Destination hostname, broadcast disallowed
ip-address	Destination IP address, broadcast disallowed
interface	(Optional) Source Interface
source-ip-hostname	(Optional) source IP hostname, broadcast disallowed
source-ip-address	(Optional) source IP address, broadcast disallowed

Command Mode

- /exec/configure/ip-sla

id

[no] id <id>

Syntax Description

no	(Optional) Negate a command or set its defaults
id	Candidate path association group identifier
id	Association group Identifier id

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/assoc/type-disj

id

[no] id <id>

Syntax Description

no	(Optional) Negate a command or set its defaults
id	Candidate path association group identifier
id	Association group Identifier id

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/assoc/type-disj

ignore routable

[no] ignore routable

Syntax Description

no	(Optional) Negate a command or set its defaults

Command Mode

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

import

import

Syntax Description

import	import

Command Mode

- /exec/configure

import interface

import interface <if0>

Syntax Description

import	import
interface	Interface configuration
if0	interface type and number in module/slot format

Command Mode

- /exec/configure

import l2vpn evpn

[no | default] import l2vpn evpn [route-map <import-map>] [reoriginate]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
import	Import the routes into another AF
l2vpn	L2VPN
evpn	EVPN
reoriginate	(Optional) Reoriginate the route with new RT
route-map	(Optional) Apply route-map to specify import criteria
import-map	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
  /exec/configure/router-bgp/router-bgp-neighbor-ptmp

import map

[no] import map <rmap-name> [evpn]

Syntax Description

no	(Optional) Negate a command or set its defaults
import	VRF import
map	Route-map based VRF import
rmap-name	Route-map name
evpn	(Optional) EVPN

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

import running-config

import running-config [exclude interface ethernet]

Syntax Description

import	import
running-config	running-config
exclude	(Optional) Exclude
interface	(Optional) Exclude all interfaces of this type
ethernet	(Optional) running-config excluding physical interfaces

Command Mode

- /exec/configure

import vpn unicast

[no | default] import vpn unicast [route-map <import-map>] [reoriginate]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
import	Import the routes into another AF
vpn	L3VPN
unicast	unicast
reoriginate	(Optional) Reoriginate the route with new RT
route-map	(Optional) Apply route-map to specify import criteria
import-map	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
  /exec/configure/router-bgp/router-bgp-neighbor-ptmp

import vrf advertise-vpn

[no] import vrf advertise-vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
import	VRF import
vrf	Virtual Router Context
advertise-vpn	Allow leaked routes to be advertised to VPN

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

import vrf default map

[no] import vrf default [<prefix-limit>] map <rmap-name> [advertise-vpn]

Syntax Description

no	(Optional) Negate a command or set its defaults
import	VRF import
vrf	Virtual Router Context
default	VRF name (default)
prefix-limit	(Optional) Maximum prefix limit (Default value is 1000)
map	Route-map based VRF import
rmap-name	Route-map name
advertise-vpn	(Optional) Allow leaked routes to be advertised to VPN

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

in-label allocate

[no] in-label <static-inlabel> allocate [policy { <prefix> <mask> | <prefix-mask> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
in-label	Configure local label assignment and forwarding for the LSP
allocate	Allocate this label
policy	(Optional) Allocate policy-based IP prefix
static-inlabel	Label Value
prefix	(Optional) Destination prefix
mask	(Optional) Destination prefix mask
prefix-mask	(Optional) Destination prefix/mask

Command Mode

- /exec/configure/mpls_static/ipv4/lsp

inband-telemetry exporter

[no] inband-telemetry exporter <exportername>

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
exporter	Define a events Exporter
exportername	Name of event Exporter

Command Mode

- /exec/configure/config-int

inband-telemetry flow-profile

[no] inband-telemetry flow-profile

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
flow-profile	Define a INT flow-profile

Command Mode

- /exec/configure/config-int

inband-telemetry monitor

[no] inband-telemetry monitor <monitorname>

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
monitor	Define a INT Monitor
monitorname	Name of INT Monitor

Command Mode

- /exec/configure/config-int

inband-telemetry queue-profile

[no] inband-telemetry queue-profile [<queue_profilename> | queue-profile-default]

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
queue-profile	Define a INT queue_profile
queue_profilename	(Optional) Name of INT queue_profile
queue-profile-default	(Optional) Queue Profile Default Configuration

Command Mode

- /exec/configure/config-int

inband-telemetry record

[no] inband-telemetry record <recordname>

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
record	Define a INT Record
recordname	Record name

Command Mode

- /exec/configure/config-int

inband-telemetry system monitor

[no] inband-telemetry system monitor <monitorname>

Syntax Description

system	global config
inband-telemetry	int global settings
monitor	int Monitor to be applied
monitorname	int Monitor to be applied

Command Mode

- /exec/configure/config-int

inband-telemetry watchlist ip

[no] inband-telemetry watchlist ip <watchlistname>

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
watchlist	Define a INT watchlist
ip	Configure INT IP watchlist
watchlistname	Name of INT watchlist

Command Mode

- /exec/configure/config-int

include-all

[no] include-all

Syntax Description

no	(Optional) Negate a command or set its defaults
include-all	Configure include-all Affinity Constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff

include-all

[no] include-all

Syntax Description

no	(Optional) Negate a command or set its defaults
include-all	Configure include-all Affinity Constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff

include-any

[no] include-any

Syntax Description

no	(Optional) Negate a command or set its defaults
include-any	Configure include-any Affinity Constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff

include-any

[no] include-any

Syntax Description

no	(Optional) Negate a command or set its defaults
include-any	Configure include-any Affinity Constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff

include-icv-indicator

[no] include-icv-indicator

Syntax Description

include-icv-indicator	Include ICV Indicator paramset in MKPDU

Command Mode

- /exec/configure/macsec-policy

include-sci

[no] include-sci

Syntax Description

include-sci	include SCI in sectag

Command Mode

- /exec/configure/macsec-policy

include profile

[no] include profile { <all_conf_profile_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
include	Include a port-profile
profile	config-profile
all_conf_profile_name	Enter the name of the profile

Command Mode

- /exec/configure

include profile any

[no] include profile any

Syntax Description

no	(Optional) Negate a command or set its defaults
include	Include a port-profile
profile	config-profile
any	dynamically include profile during apply

Command Mode

- /exec/configure

index-limit

[no] index-limit <index>

Syntax Description

no	(Optional) Negate a command or set its defaults
index-limit	index limit configuration for sid list
index	index limit

Command Mode

- /exec/configure/sr/te/color/live-det

index-limit

[no] index-limit <index>

Syntax Description

no	(Optional) Negate a command or set its defaults
index-limit	index limit configuration for sid list
index	index limit

Command Mode

- /exec/configure/sr/te/pol/live-det

index

{ no index <idx> | index <idx> { mpls label <lbl> | segment-routing srv6 <end-sid> | policy-endpoint } }

Syntax Description

no	Negate a command or set its defaults
index	Next entry index
idx	Index number
mpls	MPLS Label
label	Label Configuration
lbl	MPLS Label value
segment-routing	Segment routing
srv6	SRv6 SID IPv6 address
policy-endpoint	Enable resolvement of path in SRTE based on policy endpoint

Command Mode

- /exec/configure/sr/te/exp_seg_list

ingress-mtu

ingress-mtu <mtu_value> | no ingress-mtu

Syntax Description

no	Negate the command
ingress-mtu	set/reset ingress port mtu value
mtu_value	mtu value

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet handle auto 424

ingress-replication protocol bgp

[no] ingress-replication protocol bgp

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress-replication	Configure ingress replication
protocol	Control protocol to use
bgp	Border Gateway Protocol

Command Mode

- /exec/configure/if-nve/vni

ingress-replication protocol static

[no] ingress-replication protocol static

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress-replication	Configure ingress replication
protocol	Control protocol to use
static	Static End-point Configuration

Command Mode

- /exec/configure/if-nve/vni

ingress interface

[no] ingress interface <interface-ref> [next-hop <ip-addr>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress	ITD ingress interface
interface	ITD ingress interface
interface-ref	
next-hop	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ip-addr	(Optional) Next hop IPv4 address connected to ingress interface

Command Mode

- /exec/configure/itd /exec/configure/itd-inout

inherit peer-policy

[no] inherit peer-policy <peer-policy-template-name> <policy-preference>

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a template
peer-policy	Inherit a peer-policy template
peer-policy-template-name	Template name
policy-preference	Sequence number

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

inherit peer-policy

[no] inherit peer-policy <peer-policy-template-name> <policy-preference>

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a template
peer-policy	Inherit a peer-policy template
peer-policy-template-name	Template name
policy-preference	Sequence number

Command Mode

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

inherit peer-session

[no] inherit peer-session <peer-session-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a template
peer-session	Inherit a peer-session template
peer-session-template-name	Template name

Command Mode

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

inherit peer

[no] inherit peer <peer-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a template
peer	Inherit a peer template
peer-template-name	Peer template name

Command Mode

- /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

inherit port-profile

[no] inherit port-profile { <s0> | <s1> }

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a port-profile
port-profile	Inherit a port-profile
s0	Enter the name of the profile
s1	Enter the name of the profile

Command Mode

- /exec/configure/if-any /exec/configure/if-port-channel exec/configure/if-port-channel-range /exec/configure/if-ethernet-m /exec/configure/if-ethernet-switch-m /exec/configure/if-te /exec/configure/if-pseudowire

initial-delay

[no] initial-delay <time-in-sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
initial-delay	Configure delay interval to connect to the BMP server
time-in-sec	Delay value

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

initial-refresh skip

[no] initial-refresh { skip | delay <time-in-sec> }

Syntax Description

no	(Optional) Negate a command or set its defaults
initial-refresh	Configure initial-refresh for the BMP server
skip	Skip sending the initial route update to the BMP server
delay	Delay after which the initial route update is sent to the BMP server
time-in-sec	Delay value

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

inject-map exist-map

[no] inject-map <inject-map-name> exist-map <exist-map-name> [copy-attributes]

Syntax Description

no	(Optional) Negate a command or set its defaults
inject-map	Routemap which specifies prefixes to inject
inject-map-name	Route-map name
exist-map	Routemap which specifies exist condition
exist-map-name	Route-map name
copy-attributes	(Optional) Copy attributes from aggregate

Command Mode

- /exec/configure/router-bgp/router-bgp-af

innoshell

innoshell

Syntax Description

innoshell	innoshell

Command Mode

- /exec

innoshell cmd

innoshell cmd <cmd>

Syntax Description

innoshell	innoshell
cmd	Specify command
cmd	Quoted commands to be exec

Command Mode

- /exec

innoshell module

innoshell module <module>

Syntax Description

innoshell	innoshell
module	Select module
module	Module number

Command Mode

- /exec

innoshell module cmd

innoshell module <module> cmd <cmd>

Syntax Description

innoshell	innoshell
module	Select module
cmd	Specify command
module	Module number
cmd	Quoted commands to be exec

Command Mode

- /exec

install activate

install activate <patch> + [no-immediate-reload] [forced]

Syntax Description

install	Install package
activate	Activate package
patch	Package Name
no-immediate-reload	(Optional) Skip immediate reload for reload type patches.
forced	(Optional) non-interactive

Command Mode

- /exec

install add

install add { <package-name> | <uri1> } [vrf <vrf-known-name>] [{ gpg-key | [activate [upgrade | downgrade | no-immediate-reload]] [forced] }]

Syntax Description

install	Install package
add	Add package
package-name	Package name
uri1	Enter package uri
vrf	(Optional) Display per-VRF information
vrf-known-name	(Optional) Known VRF name
gpg-key	(Optional) GPG-KEY
activate	(Optional) Activate package
no-immediate-reload	(Optional) Skip immediate reload for reload type patches.
forced	(Optional) non-interactive
upgrade	(Optional) Upgrade package
downgrade	(Optional) Downgrade package

Command Mode

- /exec

install all

install { all [nxos <uri> | kickstart <uri1> | system <uri3> | package <uri4> | epld <uri5> | serial | ignore-script-errors] + [force] [non-disruptive | no-reload | noswitchover | maintenance-mode] [bios | no-save] [bios-force] [non-interruptive] [compact] [override] | force-all [nxos <uri> | serial | ignore-script-errors] + [non-disruptive] [force] }

Syntax Description

install	upgrade software
all	Upgrade the system
ignore-script-errors	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
kickstart	(Optional) boot-variable name
uri1	(Optional) Enter image uri
system	(Optional) boot-variable name
uri3	(Optional) Enter image uri
no-reload	(Optional) Exit right before reload during install.
noswitchover	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
non-interruptive	(Optional) Upgrades the software without any prompts. This option skips all error and sanity checks.
no-save	(Optional) Config not saved. Manually save config before starting install all
bios	(Optional) BIOS Only
bios-force	(Optional) Forcefully upgrade bios.
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
non-disruptive	(Optional) Performs an in-service software upgrade (ISSU) to prevent the disruption of data traffic.
compact	(Optional) Compact image offline
override	(Optional) Override the files in bootflash if they exist if TAR image is used
maintenance-mode	(Optional) Enter maintenance-mode before starting disruptive upgrade
nxos	(Optional) boot-variable name
uri	(Optional) Enter image uri
serial	(Optional) Upgrade linecards in serial

package	(Optional) package name
uri4	(Optional) Enter package uri
epld	(Optional) epld image name
uri5	(Optional) Enter epld image name uri
force-all	Force upgrade the system

Command Mode

- /exec

install all network-os

install all network-os <uri>

Syntax Description

install	upgrade software
all	Upgrade the system
network-os	non-cisco OS
uri	Enter image uri

Command Mode

- /exec

install commit

install commit [<patch>]

Syntax Description

install	Install package
commit	Commit software patch
patch	(Optional) Package Name

Command Mode

- /exec

install deactivate

install deactivate <patch> + [no-immediate-reload] [forced]

Syntax Description

install	Install package
deactivate	Deactivate package
patch	Package Name[Note: startup configuration may get affected]
no-immediate-reload	(Optional) Skip immediate reload for reload type patches.
forced	(Optional) non-interactive

Command Mode

- /exec

install epld

install epld <uri1> { { module { <module> | all } [force] } }

Syntax Description

install	upgrade software
epld	Install EPLD from EPLD image
uri1	Local URI containing EPLD Image
module	Enter the module number or module range
module	x or x-y
all	Install all the modules
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

install feature-set fcoe-npv

[no] install feature-set fcoe-npv

Syntax Description

no	(Optional) Negate a command or set its defaults
install	install a feature-set
feature-set	install feature-set
fcoe-npv	FCOE-NPV

Command Mode

- /exec/configure

install feature-set fcoe

[no] install feature-set fcoe

Syntax Description

no	(Optional) Negate a command or set its defaults
install	install a feature-set
feature-set	install feature-set
fcoe	FCOE

Command Mode

- /exec/configure

install feature-set mpls

[no] install feature-set mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
install	install a feature-set
feature-set	install feature-set
mpls	MPLS

Command Mode

- /exec/configure

install license

install license <uri0> [<s0>] [format]

Syntax Description

install	upgrade software
license	install license
uri0	Specify URL for license file
s0	(Optional) Specify a target name for the license file
format	(Optional) Reformat the license file to remove invalid characters and formatting

Command Mode

- /exec

install remove

install remove { <patch> | inactive } [forced]

Syntax Description

install	Install package
remove	Remove package
patch	Package Name
inactive	All inactive except non-committed packages
forced	(Optional) Remove package

Command Mode

- /exec

install reset

install reset [nxos { base | full }]

Syntax Description

install	Install package
reset	Reload nxos with default packages
nxos	(Optional) Reloading with basenxos from fullnxos and vice-versa
base	(Optional) Reload with basenxos after reseting
full	(Optional) Reload with fullnxos after reseting

Command Mode

- /exec

Usage Guidelines

Use this command to remove all application persistency files such as patch rpms, third party rpms, and application configuration in the /etc directory other than configuration.

install verify

install verify { <uri1> | package <patch> }

Syntax Description

install	Install package
verify	Verify package for signature
uri1	Enter package uri
package	Enter active/inactive package
patch	Package Name

Command Mode

- /exec

instance-id

[no] instance-id <iid>

Syntax Description

no	(Optional) Negate a command or set its defaults
instance-id	Configures Instance-ID for global data-mappings
iid	24-bit instance-ID value

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

instance

[no] instance <plistinst> [cross-check] | instance <plistinst>

Syntax Description

no	Negate a command or set its defaults
instance	Configure a parameter list instance
plistinst	Enter the name of the parameter list instance
cross-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/param-list

instance

[no] instance <instance-id> [vlan <vlan-list>]

Syntax Description

no	Negate a command or set its defaults
instance	Map vlans to an MST instance
instance-id	MST instance id
vlan	(Optional) Range of vlans to add to the instance mapping
vlan-list	(Optional) vlan range ex: 1-65, 72, 200 - 300

Command Mode

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

instance vlan

instance <instance-id> vlan <vlan-list>

Syntax Description

instance	Map vlans to an MST instance
instance-id	MST instance id
vlan	Range of vlans to add to the instance mapping
vlan-list	vlan range ex: 1-65, 72, 200 - 300

Command Mode

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

int-clone-md probe-marker

[no] int-clone-md probe-marker <marker>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
probe-marker	Give a probe-marker value

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md sink collector

[no] int-clone-md sink collector <collectorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
sink	Sink configuration
collector	Define a collector
collectorname	Name of collector

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md sink monitor

[no] int-clone-md sink monitor <monitorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
sink	Sink configuration
monitor	Define a sink Monitor
monitorname	Name of sink Monitor

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md sink record

[no] int-clone-md sink record <recordname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
sink	Sink configuration
record	Define sink record
recordname	Name of sink record

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md source monitor

[no] int-clone-md source monitor <monitorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
source	Source configuration
monitor	Define a source Monitor
monitorname	Name of source Monitor

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md source record

[no] int-clone-md source record <recordname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
source	Source configuration
record	Define Source record
recordname	Name of source record

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md system sink monitor

[no] int-clone-md system sink monitor <monitorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
system	global config
sink	Sink configuration
monitor	Sink Monitor to be applied
monitorname	Sink Monitor to be applied

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md system source monitor

[no] int-clone-md system source monitor <monitorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
system	global config
source	Source configuration
monitor	Source Monitor to be applied
monitorname	Source Monitor to be applied

Command Mode

- /exec/configure/config-int-clone-md

interface

[no] interface <interface>

Syntax Description

no	Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

{ interface <eid> } | { no interface }

Syntax Description

no	Negate a command or set its defaults
interface	Configure ngoam egress interface
eid	Configure ngoam egress interface

Command Mode

- /exec/configure/configngoamprofile

interface

[no] interface <interface-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Applied interface
interface-id	Name of interface

Command Mode

- /exec/configure/static-host/dot1q /exec/configure/static-host/vni

interface

[no] interface <if_list> { [qos-group <ucastqos-grp>] }

Syntax Description

no	(Optional) Negate the command
interface	Configure capture-scope parameters
if_list	List of interfaces
qos-group	(Optional) Specify qos-group to be associated
ucastqos-grp	(Optional) Value 0-7

Command Mode

- /exec/configure/pkt-drop/profile

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

interface <interface>

Syntax Description

interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
interface	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface_range>

Syntax Description

interface	Configure interfaces
interface_range	

Command Mode

- /exec/configure/config-int-clone-md-source-record

interface

[no] interface <interface_range>

Syntax Description

interface	Configure interfaces
interface_range	

Command Mode

- /exec/configure/config-int-clone-md-sink-record

interface

[no] interface <interface-ref>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	egress interface
interface-ref	

Command Mode

- /exec/configure/itd-port-grp

interface

[no] interface <intf>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Specify the srte interface
intf	Interface name

Command Mode

- /exec/configure/sr/te

interface breakout-profile

interface breakout-profile <profile> | no interface breakout-profile [<profile>]

Syntax Description

no	Negate a command or set its defaults
interface	Configure interfaces
breakout-profile	Configure breakout-profile
profile	Breakout Profile

Command Mode

- /exec/configure

interface breakout module

interface breakout module <lem-aware-module> [map <breakout_map>]

Syntax Description

interface	Configure interfaces
breakout	Configuring the breakout for a module
module	High Bandwidth Module
lem-aware-module	High Bandwidth Module number
map	(Optional) Breakout Map
breakout_map	(Optional) Breakout Map to be applied to all the ports in this module

Command Mode

- /exec/configure

interface breakout module

[no] interface breakout module <lem-aware-module> [map <breakout_map>]

Syntax Description

no	Negate a command or set its defaults
interface	Configure interfaces
breakout	Configuring the breakout for a module
module	High Bandwidth Module
lem-aware-module	High Bandwidth Module number
map	(Optional) Breakout Map
breakout_map	(Optional) Breakout Map to be applied to all the ports in this module

Command Mode

- /exec/configure

interface breakout module port

[no] interface breakout module <lem-aware-module> port <port_num> [map <breakout_map>]

Syntax Description

no	Negate a command or set its defaults
interface	Configure interfaces
breakout	Configuring the breakout for an interface
module	High Bandwidth Module
lem-aware-module	High Bandwidth Module number
port	High Bandwidth Port(HBP)
port_num	Parent(HBP / Front-panel) port to be broken out
map	(Optional) Breakout Map
breakout_map	(Optional) Breakout Map to be applied to the parent port

Command Mode

- /exec/configure

interface breakout module port map

interface breakout module <lem-aware-module> port <port_num> map <breakout_map>

Syntax Description

interface	Configure interfaces
breakout	ConfigurinG the breakout for an interface
module	High Bandwidth Module
lem-aware-module	High Bandwidth Module number
port	High Bandwidth Port(HBP)
port_num	Parent(HBP / Front-panel) port to be broken out
map	Breakout Map
breakout_map	Breakout Map to be applied to the parent port

Command Mode

- /exec/configure

interop-enable

[no] interop-enable

Syntax Description

no	(Optional) Negate a command or set its defaults
interop-enable	Enable interoperability with IOS XR boxes in the network

Command Mode

- /exec/configure/otv-isis

interval

[no] interval <timeinterval>

Syntax Description

interval	Time interval to be configured
timeinterval	time interval in increments of 100ms

Command Mode

- /exec/configure/config-ssx-record

interval

{ interval <interval> }

Syntax Description

interval	Wait
interval	Interval

Command Mode

- /exec/configure/configngoamconnectcheck

interval interval

{ [no] interval | interval <interval> }

Syntax Description

no	(Optional) Negate a command or set its defaults
interval	Configure interval for liveness detection
interval	interval in ms

Command Mode

- /exec/configure/sr/te/live-det

ip

[no] ip { { group <gaddr> } | { group-range <gaddr_start> to <gaddr_end> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	IP Address
group	Multicast group
gaddr	IPv4 group address
group-range	Multicast Group address range
gaddr_start	First Group address
to	Range
gaddr_end	Last Group address

Command Mode

- /exec/configure/nbm-flow-policy/attr

ip

{ [no] <seqnum> <permitdeny> { ip { <src_prefix> | <src_any> } { <dst_prefix> | <dst_any> } } } | { no <seqnum> }

Syntax Description

no	(Optional) Negate a command or set its defaults
seqnum	Sequence number
ip	ip
permitdeny	permitdeny
src_prefix	A.B.C.D/nn Source network prefix
src_any	Any source address
dst_prefix	A.B.C.D/nn Destination network prefix
dst_any	Any destination address

Command Mode

- /exec/configure/config-int-watchlist

ip

{ { ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6> } }

Syntax Description

ip	ip address
dstip	Destination ipv4 address
srcip	source ipv4 address
ipv6	ipv6 address

Command Mode

- /exec/configure/configngoamccpayload

ip

[no] ip <ipaddr>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	ip address of redundancy group member
ipaddr	Redundancy-group node IP address

Command Mode

- /exec/configure/if-nve/rgrp

ip

ip [<ipaddress> | <ipprefix>] | no ip [<ipaddress> | <ipprefix>]

Syntax Description

no	Negate a command or set its defaults
ip	Enable HSRP IPv4 and set the virtual IP address
ipaddress	(Optional) Virtual IP address
ipprefix	(Optional) Virtual IP address and mask length

Command Mode

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

ip

ip { <ipv6address> | autoconfig } | no ip [{ <ipv6address> | autoconfig }]

Syntax Description

no	Negate a command or set its defaults
ip	Enable HSRP IPv6 and set the virtual IP address
autoconfig	Obtain address using autoconfiguration

Command Mode

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

ip

{ [no] <seqnum> <permitdeny> { ip { <src_prefix> | <src_any> } { <dst_prefix> | <dst_any> } } } | { no <seqnum> }

Syntax Description

no	(Optional) Negate a command or set its defaults
seqnum	Sequence number
ip	ip
permitdeny	permitdeny
src_prefix	A.B.C.D/nn Source network prefix
src_any	Any source address
dst_prefix	A.B.C.D/nn Destination network prefix
dst_any	Any destination address

Command Mode

- /exec/configure/config-postcard-watchlist

ip

[no] ip { { group <gaddr> } | { group-range <gaddr_start> to <gaddr_end> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	IP Address
group	Multicast group
gaddr	IPv4 group address
group-range	Multicast Group address range
gaddr_start	First Group address
to	Range
gaddr_end	Last Group address

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-policy/attr

ip access-class

[no] ip access-class <name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
access-class	Specify IPv4 access control for packets
name	List name
inout	Traffic direction

Command Mode

- /exec/configure/line

ip access-group

[no] ip access-group <name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
access-group	Specify access control for packets
name	List name
inout	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l3

ip access-list

[no] ip access-list <name> [client <clienttype> <clientID>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
access-list	Configure access list
name	List name
client	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
clienttype	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
clientID	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ip access-list match-local-traffic

[no] ip access-list match-local-traffic | ip access-list match-local-traffic

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
access-list	Configure access list
match-local-traffic	Enable access-list matching for locally generated traffic

Command Mode

- /exec/configure

ip address

[no] ip address [{ <ip-addr> <ip-mask> | <ip-prefix> } [route-preference <pref>] [tag <tag>]] | ip address { <ip-addr> <ip-mask> | <ip-prefix> } [route-preference <pref>] [tag <tag>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
address	Configure IP address on interface
ip-addr	(Optional) IP address in format i.i.i.i
ip-mask	(Optional) IP network mask in format m.m.m.m
ip-prefix	(Optional) IP prefix and network mask length in format x.x.x.x/m
route-preference	(Optional) URIB route preference for local/direct routes
pref	(Optional) Local/direct route preference
tag	(Optional) URIB route tag value for local/direct routes
tag	(Optional) Local/direct tag value

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-mpls-tunnel /exec/configure/if-gre-tunnel /exec/configure/if-vsan /exec/configure/if-cpp

ip address

[no] ip address <ip0>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IPv4 address
address	Configure IPv4 address
ip0	IPv4 address

Command Mode

- /exec/configure/cfs-static

ip address dhcp

[no] ip address dhcp

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
address	Configure IP address on interface
dhcp	Configure IP address from a dhcp server

Command Mode

- /exec/configure/if-vlan /exec/configure/if-ethernet /exec/configure/if-mgmt-config /exec/configure/if-ethernet-all /exec/configure/if-sub

ip address ipv6 address port

[no] { ip address <ip4> | ipv6 address <ip6> } port <portnum> [protocol <proto> encoding <encoder>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Set destination IPv4 address
ipv6	Set destination IPv6 address
address	IP address
port	Set destination port
protocol	(Optional) Set transport protocol
encoding	(Optional) Set encoding format
ip4	Destination IPv4 Address
portnum	Destination port
proto	(Optional)
encoder	(Optional) Set encoding type for this destination

Command Mode

- /exec/configure/telemetry/destination-group

ip address secondary

[no] ip address { <ip-addr> <ip-mask> | <ip-prefix> } secondary [route-preference <pref>] [tag <tag>] | ip address { <ip-addr> <ip-mask> | <ip-prefix> } secondary [route-preference <pref>] [tag <tag>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
address	Configure IP address on interface
ip-addr	IP address in format i.i.i.i
ip-mask	IP network mask in format m.m.m.m
ip-prefix	IP prefix and network mask length in format x.x.x.x/m
secondary	Configure additional IP addresses on interface
route-preference	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pref	(Optional) Local/direct route preference
tag	(Optional) URIB route tag value for local/direct routes
tag	(Optional) Local/direct tag value

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config /exec/configure/if-gre-tunnel /exec/configure/if-6to4-tunnel /exec/configure/if-vsan /exec/configure/if-cpp

ip adjacency route distance

{ ip adjacency route distance <pref> } | { no ip adjacency route distance }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
adjacency	Configure Adjmgr
route	route
distance	admin-distance
pref	preference

Command Mode

- /exec/configure

ip amt anycast-relay-prefix

{ { ip amt anycast-relay-prefix <prefix> } | { no ip amt anycast-relay-prefix [<prefix>] } | { ipv6 amt anycast-relay-prefix <prefix6> } | { no ipv6 amt anycast-relay-prefix [<prefix6>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
anycast-relay-prefix	Configure anycast prefix for AMT relay
prefix	IP anycast prefix for AMT relay

Command Mode

- /exec/configure /exec/configure/vrf

ip amt gateway

[no] ip amt gateway

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
amt	AMT global configuration commands
gateway	Configures IPv4 AMT gateway functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip amt join-policy

{ [no] { ip | ipv6 } amt join-policy <jroute-map> [gateway <groute-map>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
join-policy	Configures what (S,G) are allowed to be joined
jroute-map	Route-map describing (S,G) entries allowed
gateway	(Optional) Configure join-policy per gateway
groute-map	(Optional) Route-map describing gateway or sets of gateways

Command Mode

- /exec/configure /exec/configure/vrf

ip amt qqic

[no] { ip | ipv6 } amt qqic <qqic-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
qqic	Configure Querier's Query Interval Code
qqic-value	QQIC value

Command Mode

- /exec/configure /exec/configure/vrf

ip amt relay-advertisement-address

{ { ip amt relay-advertisement-address <address> } | { no ip amt relay-advertisement-address [<address>] } | { ipv6 amt relay-advertisement-address <address6> } | { no ipv6 amt relay-advertisement-address [<address6>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
relay-advertisement-address	Address to use by AMT relay
address	IP unicast address for AMT relay to use

Command Mode

- /exec/configure /exec/configure/vrf

ip amt relay

[no] ip amt relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
amt	AMT global configuration commands
relay	Configures IPv4 AMT relay functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip amt state-limit

{ [no] { ip | ipv6 } amt state-limit <limit> [gateway <route-map>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
state-limit	Configure the maximum number of (S,G) entries allowed
limit	Number of entries total or per AMT gateway
gateway	(Optional) Configure state limit per gateway
route-map	(Optional) Route-map describing gateway or sets of gateways

Command Mode

- /exec/configure /exec/configure/vrf

ip amt tunnel-limit

{ { { ip | ipv6 } amt tunnel-limit <limit> } | { no { ip | ipv6 } amt tunnel-limit [<limit>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
tunnel-limit	Configure the maximum tunnels allowed
limit	Number of tunnels

Command Mode

- /exec/configure /exec/configure/vrf

ip arp

{ ip arp <ip-address> <mac-address> | no ip arp <ip-address> [<mac-address>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
ip-address	IP address
mac-address	MAC address

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan-common

ip arp allow-static-arp-outside-subnet

[no] ip arp allow-static-arp-outside-subnet

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
allow-static-arp-outside-subnet	Allow static ARP outside interface subnet

Command Mode

- /exec/configure

ip arp cache limit

{ { ip arp cache limit <max> } | { no ip arp cache limit } } [syslog <rate>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
cache	ARP cache parameters
limit	Limit size of ARP adjacencies cache
max	Maximum number of ARP entries
syslog	(Optional) Syslog messages
rate	(Optional) Syslogs per second

Command Mode

- /exec/configure

ip arp cos

{ ip arp cos <cosval> } | { no ip arp cos }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
cos	COS for ARP packet
cosval	COS value

Command Mode

- /exec/configure

ip arp delete

{ ip arp { delete-adj-on-mac-delete | refresh-adj-on-mac-delete <time-out> } | no ip arp { delete-adj-on-mac-delete | refresh-adj-on-mac-delete } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
delete-adj-on-mac-delete	Delete the adjacency on MAC delete
refresh-adj-on-mac-delete	Set refresh timer for mac delete trigger
time-out	Refresh value in milliseconds

Command Mode

- /exec/configure/if-vlan-common

ip arp evpn timeout

{ ip arp evpn timeout <time-out> } | { no ip arp evpn timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
evpn	In EVPN topology
timeout	ARP timeout
time-out	Refresh in EVPN on host moves. supported range is (2000-30000) ms

Command Mode

- /exec/configure

ip arp gratuitous hsrp duplicate

{ ip arp gratuitous hsrp duplicate | no ip arp gratuitous hsrp duplicate }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
gratuitous	gratuitous
hsrp	hsrp
duplicate	duplicate address detection

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan-common

ip arp gratuitous request

{ ip arp gratuitous request | no ip arp gratuitous request }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
gratuitous	gratuitous
request	Enable/Disable sending grat. arp request when duplicate address detected

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan

ip arp gratuitous update

{ ip arp gratuitous update | no ip arp gratuitous update }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
gratuitous	gratuitous
update	Enable/Disable arp cache updates for gratuitous arp

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan-common

ip arp inspection filter vlan

[no] ip arp inspection filter <arp-acl-name> vlan <vlan-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
filter	Filter
arp-acl-name	Access list name
vlan	Vlan range
vlan-range	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

ip arp inspection log-buffer entries

[no] ip arp inspection log-buffer { entries <number1> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
log-buffer	Log Buffer Configuration
entries	Number of entries for log buffer
number1	Number of entries for log buffer

Command Mode

- /exec/configure

ip arp inspection trust

[no] ip arp inspection trust

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
trust	Configure trust state

Command Mode

- /exec/configure/if-switching

ip arp inspection validate

[no] ip arp inspection validate { src-mac | dst-mac | ip1 } +

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
validate	Validate addresses
src-mac	Validate source MAC address
dst-mac	Validate destination MAC address
ip1	Validate IP addresses

Command Mode

- /exec/configure

ip arp inspection vlan

[no] ip arp inspection vlan <vlan-id> [logging { dhcp-bindings { permit | all | inone } }]

Syntax Description

logging	(Optional) dhcp-bindings
no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
vlan	Enable/Disable ARP Inspection on vlans
vlan-id	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
dhcp-bindings	(Optional) Logging of packet that match DHCP bindings
permit	(Optional) Log DHCP Binding Permitted packets
all	(Optional) Log all packets that match DHCP bindings
inone	(Optional) Do not log packets

Command Mode

- /exec/configure

ip arp off-list timeout

{ ip arp off-list timeout <time> } | { no ip arp off-list timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
off-list	off-list
timeout	Expire time
time	Expire time value in seconds

Command Mode

- /exec/configure

ip arp rarp fabric-forwarding

[no] ip arp rarp fabric-forwarding

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
rarp	Enable/Disable forwarding of RARP messages on fabric
fabric-forwarding	Forward RARP requests to the fabric

Command Mode

- /exec/configure

ip arp rarp fabric-forwarding

[no] ip arp rarp fabric-forwarding

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
rarp	Enable/Disable forwarding of RARP messages on fabric
fabric-forwarding	Forward RARP requests to the fabric

Command Mode

- /exec/configure

ip arp rarp fabric-forwarding rate-limit

[no] ip arp rarp fabric-forwarding rate-limit <rate>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
rarp	Enable/Disable forwarding of RARP messages on fabric
fabric-forwarding	Forward RARP requests to the fabric
rate-limit	Forwarding rate of the RARP frames
rate	RARP frames-per-second

Command Mode

- /exec/configure

ip arp suppression-cache

ip arp suppression-cache { [clear { local | remote } vlan <vlan-id> [<ip-address>]] | [download remote vlan <vlan-id> [<ip-address>]] }

Syntax Description

clear	(Optional) Clear ARP suppression cache entries
ip	Clear IP commands
download	(Optional) download local entires from ARP cache, remote from l2rib
arp	Clear ARP table and statistics
suppression-cache	ARP-suppression cache
local	(Optional) Local entries
remote	(Optional) Remote entries
vlan	(Optional) Vlan id
vlan-id	(Optional) Vlan
ip-address	(Optional) IP address

Command Mode

- /exec

ip arp suppression timeout

{ ip arp suppression timeout <time-out> } | { no ip arp suppression timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
suppression	ARP-suppression based event
timeout	ARP timeout
time-out	Time-out value in seconds. Time-out = 0 indicates disabled

Command Mode

- /exec/configure

ip arp synchronize

[no] ip arp synchronize

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	ARP
synchronize	CFS synchronize

Command Mode

- /exec/configure/vpc-domain

ip arp timeout

{ ip arp timeout <time-out> } | { no ip arp timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
timeout	ARP timeout
time-out	Time-out value in seconds

Command Mode

- /exec/configure/config-mgmt /exec/configure/if-igp

ip arp timeout

{ ip arp timeout <time-out> } | { no ip arp timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
timeout	ARP timeout
time-out	Time-out value in seconds

Command Mode

- /exec/configure

ip arp unnum-svi-dup-ip-detection

[no] ip arp unnum-svi-dup-ip-detection

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
unnum-svi-dup-ip-detection	Enable duplicate IP detection across VLANs for IP unnumbered SVIs.

Command Mode

- /exec/configure/if-vlan-common

ip arp unnum-svi-sw-replication

[no] ip arp unnum-svi-sw-replication

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
unnum-svi-sw-replication	ARP packets replication in software for unnumbered SVI

Command Mode

- /exec/configure

ip as-path access-list deny

{ ip as-path access-list <aspl-name> [timeout <sec>] { { deny | permit } <line> } } | { no ip as-path access-list <aspl-name> [timeout <sec>] [{ deny | permit } <line>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
as-path	BGP autonomous system path filter
access-list	Specify an access list name
aspl-name	AS path access list name
aspl-name	Known as-path access-list name
timeout	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sec	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deny	Specify packets to reject
permit	Specify packets to forward
line	A

Command Mode

- /exec/configure

ip as-path access-list seq deny

{ ip as-path access-list <aspl-name> seq <seq> [timeout <sec>] { { deny | permit } <line> } } | { no ip as-path access-list <aspl-name> seq <seq> [timeout <sec>] [{ deny | permit } <line>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
as-path	BGP autonomous system path filter
access-list	Specify an access list name
aspl-name	AS path access list name
aspl-name	Known as-path access-list name
seq	Sequence number of an entry
seq	Sequence number
timeout	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sec	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deny	Specify packets to reject
permit	Specify packets to forward
line	A

Command Mode

- /exec/configure

ip authentication

[no] { ip | ipv6 } authentication { { key-chain eigrp <eigrp-ptag> <chain> } | { mode eigrp <eigrp-ptag> md5 } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
authentication	Configures EIGRP authentication subcommands
key-chain	key-chain
eigrp-ptag	Process tag
chain	name of key-chain
mode	mode
eigrp	EIGRP interface configuration commands
md5	Keyed message digest
eigrp-ptag	

Command Mode

- /exec/configure/if-igp

ip auto-discard

[no] ip auto-discard

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
auto-discard	Auto 0.0.0.0/0 discard route

Command Mode

- /exec/configure /exec/configure/vrf

ip bandwidth-percent eigrp

{ { { ip | ipv6 } bandwidth-percent eigrp <eigrp-ptag> <percent> } | { no { ip | ipv6 } bandwidth-percent eigrp <eigrp-ptag> [<percent>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
bandwidth-percent	Configures IP-EIGRP bandwidth limit
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
percent	Maximum bandwidth percentage that EIGRP may use
eigrp-ptag	

Command Mode

- /exec/configure/if-igp

ip bandwidth eigrp

{ { { ip | ipv6 } bandwidth eigrp <eigrp-ptag> <bw> } | { no { ip | ipv6 } bandwidth eigrp <eigrp-ptag> [<bw>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
bandwidth	Set bandwidth for interface used in EIGRP metric calculation
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
bw	Bandwidth in kilobits
eigrp-ptag	

Command Mode

- /exec/configure/if-igp

ip community-list expanded deny

{ ip community-list expanded <name> [timeout <sec>] { deny | permit } <line> } | { no ip community-list expanded <name> [timeout <sec>] [{ deny | permit } <line>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
community-list	Add a community list entry
expanded	Add an expanded community list entry
name	Name of expanded community list
timeout	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sec	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deny	Specify community to reject
permit	Specify community to accept
line	Regular-expression(must

Command Mode

- /exec/configure

ip community-list expanded seq deny

{ ip community-list expanded <name> seq <seq> [timeout <sec>] { deny | permit } <line> } | { no ip community-list expanded <name> seq <seq> [timeout <sec>] [{ deny | permit } <line>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
community-list	Add a community list entry
expanded	Add an expanded community list entry
name	Name of expanded community list
seq	Sequence number of an entry
seq	Sequence number
timeout	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sec	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deny	Specify community to reject
permit	Specify community to accept
line	Regular-expression(must

Command Mode

- /exec/configure

ip delay eigrp

{ { { ip | ipv6 } delay eigrp <eigrp-ptag> <delay> [picoseconds] } | { no { ip | ipv6 } delay eigrp <eigrp-ptag> [<delay>] [picoseconds] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
delay	Set delay for interface used in EIGRP metric calculation
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
delay	Throughput delay
picoseconds	(Optional) Delay units in picoseconds
eigrp-ptag	

Command Mode

- /exec/configure/if-igp

ip destination

{ ip { destination | source } <addr> } | { no ip { destination | source } }

Syntax Description

no	Negate a command or set its defaults
ip	specify flow ipv4 address
source	specify flow source ipv4 address
destination	specify flow destination ip address
addr	ipv4 address

Command Mode

- /exec/configure/configngoamprofileflow

ip dhcp option82 suboption circuit-id

[no] ip dhcp option82 suboption circuit-id <format-string>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
option82	DHCP option82
suboption	DHCP option82 suboption information
circuit-id	DHCP option82 suboption circuit-id string configuration
format-string	Format string

Command Mode

- /exec/configure/if-eth-phy /exec/configure/if-eth-port-channel

ip dhcp packet strict-validation

[no] ip dhcp packet strict-validation

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
packet	DHCP packet
strict-validation	DHCP packet strict validation

Command Mode

- /exec/configure/

ip dhcp relay

[no] ip dhcp relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent

Command Mode

- /exec/configure

ip dhcp relay address

[no] ip dhcp relay address [<ip-addr-val> [use-vrf <vrf-name>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent
address	Configure DHCP server to refer to
ip-addr-val	(Optional) IP address
use-vrf	(Optional) helper address VRF membership
vrf-name	(Optional) VRF name

Command Mode

- /exec/configure/if-igp /exec/configure/ppm-ethernet-switch /exec/configure/ppm-port-channel-switch

ip dhcp relay dai

[no] ip dhcp relay dai

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent
dai	Create database on relay agent for DAI

Command Mode

- /exec/configure

ip dhcp relay information option

[no] ip dhcp relay information option

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
option	Insert relay information in BOOTREQUEST

Command Mode

- /exec/configure

ip dhcp relay information option server-id-override-disable

[no] ip dhcp relay information option server-id-override-disable

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
option	Insert relay information in BOOTREQUEST
server-id-override-disable	Disable the override of the server-id

Command Mode

- /exec/configure

ip dhcp relay information option trust

[no] ip dhcp relay information option trust

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
option	Relay agent option
trust	Enable relay trust functionality on the system

Command Mode

- /exec/configure

ip dhcp relay information option vpn

[no] ip dhcp relay information option vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
option	Insert relay information in BOOTREQUEST
vpn	Enable relay support across VRFs

Command Mode

- /exec/configure

ip dhcp relay information trust-all

[no] ip dhcp relay information trust-all

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
trust-all	Enable relay trust on all the interfaces

Command Mode

- /exec/configure

ip dhcp relay information trusted

[no] ip dhcp relay information trusted

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
trusted	Enable relay trust on this interface

Command Mode

- /exec/configure/if-igp

ip dhcp relay source

ip dhcp relay { source-interface <interface-name> } | no ip dhcp relay { source-interface [<interface-name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent
source-interface	Configure source interface for DHCP relay
interface-name	Source interface

Command Mode

- /exec/configure /exec/configure/if-igp

ip dhcp relay sub-option circuit-id customized

[no] ip dhcp relay sub-option circuit-id customized

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
sub-option	Relay agent information option sub-option
circuit-id	sub-option of option82
customized	circuit id customized to include vlan id, slot and port info

Command Mode

- /exec/configure

ip dhcp relay sub-option circuit-id format-type string

[no] ip dhcp relay sub-option circuit-id format-type string [format <format-string>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
sub-option	Relay agent suboption
circuit-id	Relay agent circuit-id suboption
format-type	Specify suboption format type
string	Use string format for suboption
format	(Optional) Specify format string
format-string	(Optional) Format string

Command Mode

- /exec/configure

ip dhcp relay sub-option type cisco

[no] ip dhcp relay sub-option type cisco

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
sub-option	Relay agent suboption
type	Relay agent suboption type
cisco	Use Cisco propritery suboptions

Command Mode

- /exec/configure

ip dhcp relay subnet-selection

{ ip dhcp relay subnet-selection <ip-addr> } | { no ip dhcp relay subnet-selection }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent
subnet-selection	Configure gateway address for DHCP relay
ip-addr	IP address

Command Mode

- /exec/configure/if-igp

ip dhcp smart-relay

[no] ip dhcp smart-relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
smart-relay	Configure DHCP smart relay on interface

Command Mode

- /exec/configure/if-igp

ip dhcp smart-relay global

[no] ip dhcp smart-relay global

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
smart-relay	Configure DHCP smart relay
global	Configure DHCP smart relay globally

Command Mode

- /exec/configure

ip dhcp snooping

[no] ip dhcp snooping

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping

Command Mode

- /exec/configure/

ip dhcp snooping information option

[no] ip dhcp snooping information option

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
information	DHCP Snooping information
option	DHCP Snooping information option

Command Mode

- /exec/configure/

ip dhcp snooping ipsg-excluded vlan

[no] ip dhcp snooping ipsg-excluded vlan <vlan-id10>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
ipsg-excluded	exclude ipsg
vlan	DHCP Snooping ipsg excluded vlan
vlan-id10	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

ip dhcp snooping sub-option circuit-id format-type string

[no] ip dhcp snooping sub-option circuit-id format-type string [format <format-string>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP snooping parameters
sub-option	suboption
circuit-id	circuit-id suboption
format-type	Specify suboption format type
string	Use string format for suboption
format	(Optional) Specify format string
format-string	(Optional) Format string

Command Mode

- /exec/configure

ip dhcp snooping trust

[no] ip dhcp snooping trust

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
trust	DHCP Snooping trust config

Command Mode

- /exec/configure/if-switching

ip dhcp snooping verify mac-address

[no] ip dhcp snooping verify mac-address

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
verify	DHCP snooping verify
mac-address	DHCP snooping verify mac-address

Command Mode

- /exec/configure/

ip dhcp snooping vlan

[no] ip dhcp snooping vlan <vlan-id10>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
vlan	DHCP Snooping vlan
vlan-id10	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

ip directed-broadcast

[no] ip directed-broadcast [<acl-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
directed-broadcast	IP directed-broadcast
acl-name	(Optional) ACL policy name

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ip distribute-list eigrp

[no] { ip | ipv6 } distribute-list eigrp <eigrp-ptag> { { route-map <map> } | { prefix-list <list> } } { in | out }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
distribute-list	Filter networks in routing updates
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
route-map	Use a route-map for route filtering
map	Route-map name
prefix-list	Use a prefix-list for route filtering
list	Reference to prefix-list name
in	Filter incoming routing updates
out	Filter outgoing routing updates

Command Mode

- /exec/configure/if-igp

ip dns source-interface

[no] ip dns source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dns	Configure dns client
source-interface	Configure source interface feature for domain-lookup
ifnum	Source interface
vrf	(Optional) Configure VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure

ip domain-list

[no] ip domain-list { <s0> | <s1> [use-vrf { <vrf-name> | <vrf-known-name> }] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
domain-list	Add additional domain names
s0	Enter a domain
s1	Enter a domain
use-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip domain-lookup

[no] ip domain-lookup

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
domain-lookup	Enable/Disable DNS

Command Mode

- /exec/configure

ip domain-name

[no] ip domain-name { <s0> | <s1> [use-vrf { <vrf-name> | <vrf-known-name> }] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
domain-name	Specify default domain name
s0	Enter the default domain
s1	Enter the default domain
use-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip drop-glean

[no] ip drop-glean

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
drop-glean	Installs the secondary subnet routes as Drop routes

Command Mode

- /exec/configure/if-vlan-common

ip dscp-lop

[no] ip dscp-lop | ip dscp-lop { <dscp-val> | <dscp-enum> }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
dscp-lop	Set DSCP to be used for locally originated packets for IPv4 and IPv6. Cos will not be set.
dscp-val	Specify DSCP value for Locally Originated packets for IPv4 and IPv6
dscp-enum	

Command Mode

- /exec/configure

ip dscp

[no] ip dscp <dscp_value>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Set ERSPAN IP options
dscp	Set the IP DSCP value
dscp_value	

Command Mode

- /exec/configure/config-monitor-erspan-src

ip eigrp bfd

[no] ip eigrp <eigrp-tag> bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
eigrp	EIGRP interface configuration commands
eigrp-tag	Process tag
bfd	Enable BFD on this interface
disable	(Optional) Disable BFD on this interface

Command Mode

- /exec/configure/if-igp

ip eigrp shutdown

[no] { ip | ipv6 } eigrp <eigrp-ptag> shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
shutdown	Shutdown EIGRP on this interface

Command Mode

- /exec/configure/if-igp

ip extcommunity-list expanded seq deny

{ ip extcommunity-list expanded <name> seq <seq> { deny | permit } <line> } | { no ip extcommunity-list expanded <name> seq <seq> [{ deny | permit } <line>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
extcommunity-list	Add a extcommunity list entry
expanded	Add an expanded extcommunity list entry
name	Name of expanded extcommunity list
seq	Sequence number of an entry
seq	Sequence number
deny	Specify extcommunity to reject
permit	Specify extcommunity to accept
line	Regular-expression(must

Command Mode

- /exec/configure

ip extcommunity-list standard seq permit 4byteas-generic transitive

{ { ip extcommunity-list standard <name> seq <seq> { permit | deny } { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } | { rmac <mac-addr> } | { rt { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { soo { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } } } + } | { no ip extcommunity-list standard <name> seq <seq> [permit | deny] [{ 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } | { rmac <mac-addr> } | { rt { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { soo { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } }] + } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
extcommunity-list	Add a extcommunity list entry
standard	Add a standard Extcommunity list entry
name	Standard extcommunity list name
seq	Sequence number of an entry
seq	Sequence number
permit	Specify extcommunity to accept
deny	Specify extcommunity to reject
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
rmac	Router MAC
rt	Router-Target
soo	Site-Of-Origin
mac-addr	MAC address
ext-comm-gen-trans	Extcommunity number aa4:nn format
ext-comm-gen-nontrans	Extcommunity number aa4:nn format
ext-comm-rt-aa2nn4	Extcommunity number
ext-comm-rt-aa4nn2	Extcommunity number

ext-comm-soo-aa2nn4	Extcommunity number
ext-comm-soo-aa4nn2	Extcommunity number

Command Mode

- /exec/configure

ip flow monitor input

[no] ip flow monitor <monitorname> input

Syntax Description

ip	Configure IP features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
monitorname	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/if-vlan-common

ip flow monitor input

[no] ip flow monitor <monitorname> input

Syntax Description

ip	Configure IP features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
monitorname	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/if-routing /exec/configure/if-switching /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

ip flow monitor input

[no] ip flow monitor <monitorname> input

Syntax Description

ip	Configure IP features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
monitorname	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/vlan-config

ip flow rtp

[no] ip flow rtp [<ipv4-acl>]

Syntax Description

ip	ipv4 configuration
flow	Enable/Disable NetFlow configuration
rtp	configure rtp flows for packet loss monitoring
ipv4-acl	(Optional) ipv4 ACL name

Command Mode

- /exec/configure

ip forward

ip forward | no ip forward

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
forward	Enable ip forwarding on interface

Command Mode

- /exec/configure/if-vlan /exec/configure/if-vlan-range /exec/configure/if-igp

ip ftp source-interface

[no] ip ftp source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ftp	Configure FTP client
source-interface	Configure source interface feature for FTP client
ifnum	Source interface
vrf	(Optional) Configure VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure

ip hello-interval eigrp

{ { { ip | ipv6 } hello-interval eigrp <eigrp-ptag> <hello-interval> } | { no { ip | ipv6 } hello-interval eigrp <eigrp-ptag> [<hello-interval>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
hello-interval	Configures IP-EIGRP hello interval
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
hello-interval	Seconds between hello transmissions
eigrp-ptag	

Command Mode

- /exec/configure/if-igp

ip hold-time eigrp

{ { { ip | ipv6 } hold-time eigrp <eigrp-ptag> <holdtime> } | { no { ip | ipv6 } hold-time eigrp <eigrp-ptag> [<holdtime>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
hold-time	Configures IP-EIGRP hold time
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
holdtime	Seconds before neighbor is considered down
eigrp-ptag	

Command Mode

- /exec/configure/if-igp

ip host

[no] ip host <s0> [<ipv4_0>] | ip host <s0> <ipv4_0>

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
host	Add an entry to the ip hostname table
s0	Name of Host
ipv4_0	(Optional) Enter an IP address

Command Mode

- /exec/configure

ip http source-interface

[no] ip http source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
http	Configure HTTP client
source-interface	Configure source interface feature for HTTP client
ifnum	Source interface
vrf	(Optional) Configure VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure

ip icmp-errors source-interface

ip icmp-errors source-interface <interface> [<icmp_type>] | no ip icmp-errors source-interface [<interface> <icmp_type>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
icmp-errors	ICMP unreachable/TTL-exceeded/param-prob messages
source-interface	Configure source-address for applications
interface	Interface to pick source-address from
icmp_type	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure /exec/configure/vrf

ip igmp any-query-destination

[no] ip igmp any-query-destination

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
any-query-destination	Allow any destination-IP for General Queries

Command Mode

- /exec/configure

ip igmp enforce-router-alert

[no] ip igmp enforce-router-alert

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
enforce-router-alert	Enforce Router Alert option check for IGMPv2 and IGMPv3 packets

Command Mode

- /exec/configure

ip igmp flush-routes

[no] ip igmp flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
flush-routes	Remove routes when restarting IGMP

Command Mode

- /exec/configure

ip igmp group-timeout

{ { no ip igmp group-timeout [<time>] } | { ip igmp group-timeout <time> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
group-timeout	Configures group membership timeout for IGMPv2
time	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ip igmp heavy-template

[no] ip igmp heavy-template

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
heavy-template	IGMP heavy for IGMP scale

Command Mode

- /exec/configure

ip igmp host-proxy

[no] ip igmp host-proxy [unsolicited <time> | route-map <route-map-name> [unsolicited <time>] | prefix-list <prefix-list-name> [unsolicited <time>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
host-proxy	Configures igmp host proxy for this interface
route-map	(Optional) host proxy route-map policy
prefix-list	(Optional) host proxy prefix-list policy
unsolicited	(Optional) unsolicited joins
time	(Optional) Time in seconds.
route-map-name	(Optional) Route-map name
prefix-list-name	(Optional) Name of prefix-list

Command Mode

- /exec/configure/if-igp

ip igmp immediate-leave

[no] ip igmp immediate-leave

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
immediate-leave	Enable/Disable immediate leave

Command Mode

- /exec/configure/if-igp

ip igmp join-group

[no] ip igmp join-group { { <group> [source <source>] } | { route-map <route-map-name> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
join-group	Configures local group membership for router
group	Multicast group IP address
source	(Optional) Configures source address for IGMPv3 (S,G) Channel
source	(Optional) Source IP address
route-map	Join group policy
route-map-name	Route-map name

Command Mode

- /exec/configure/if-igp

ip igmp last-member-query-count

{ { no ip igmp last-member-query-count [<count>] } | { ip igmp last-member-query-count <count> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
last-member-query-count	Configures number of group-specific Queries sent
count	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ip igmp last-member-query-response-time

{ { no ip igmp last-member-query-response-time [<interval>] } | { ip igmp last-member-query-response-time <interval> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
last-member-query-response-time	Configures last member query response time
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ip igmp querier-elect strict

[no] ip igmp querier-elect strict

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
querier-elect	Querier election
strict	Consider subnet check for L3 igmp querier election

Command Mode

- /exec/configure

ip igmp querier

{ { no ip igmp { querier-timeout | query-timeout } [<time>] } | { ip igmp { querier-timeout | query-timeout } <time> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
querier-timeout	Configures querier timeout for IGMPv2
query-timeout	Configures querier timeout for IGMPv2
time	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ip igmp query-interval

{ { no ip igmp query-interval [<interval>] } | { ip igmp query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
query-interval	Configures interval between Query transmission
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ip igmp query-max-response-time

{ { no ip igmp query-max-response-time [<time>] } | { ip igmp query-max-response-time <time> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
query-max-response-time	Configures MRT for query messages
time	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ip igmp report-link-local-groups

[no] ip igmp report-link-local-groups

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
report-link-local-groups	Send Reports for groups in 224.0.0.0/24

Command Mode

- /exec/configure/if-igp

ip igmp report prefix-list

{ { ip igmp { report-policy | access-group } { <route-map-name> | prefix-list <prefix-list-name> } } | { no ip igmp { report-policy | access-group } [<route-map-name> | prefix-list <prefix-list-name>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
report-policy	IGMP Report Policy
access-group	IGMP access-group
route-map-name	Route-map name
prefix-list	Prefix list policy
prefix-list-name	Name of prefix-list

Command Mode

- /exec/configure/if-igp

ip igmp robustness-variable

{ { no ip igmp robustness-variable [<value>] } | { ip igmp robustness-variable <value> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
robustness-variable	Configures RFC defined Robustness Variable
value	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ip igmp snooping

{ { no ip igmp snooping } | { ip igmp snooping } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping

{ { no ip igmp snooping } | { ip igmp snooping } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping

Command Mode

- /exec/configure

ip igmp snooping access-group

[no] ip igmp snooping access-group <route-map-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
access-group	Filter or report policy for specified groups
route-map-name	Filter route-map name

Command Mode

- /exec/configure/vlan-config

ip igmp snooping disable-nve-static-router-port

[no] ip igmp snooping disable-nve-static-router-port

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
disable-nve-static-router-port	Disable NVE as a static router port

Command Mode

- /exec/configure

ip igmp snooping disable-nve-static-router-port

[no] ip igmp snooping disable-nve-static-router-port

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
disable-nve-static-router-port	Disable NVE as a static router port

Command Mode

- /exec/configure

ip igmp snooping explicit-tracking

{ { no ip igmp snooping explicit-tracking } | { ip igmp snooping explicit-tracking } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
explicit-tracking	Configures Explicit Host tracking for VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping fast-leave

{ { no ip igmp snooping fast-leave } | { ip igmp snooping fast-leave } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
fast-leave	Configures Fast leave for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping group-timeout

[no] ip igmp snooping group-timeout { <timeout> | never }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
group-timeout	Configures group membership timeout in VLAN/BD
timeout	Timeout in minutes
never	Never expire ports from group membership

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping group-timeout

[no] ip igmp snooping group-timeout { <timeout> | never }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
group-timeout	Configures group membership timeout in all VLAN/BDs
timeout	Timeout in minutes
never	Never expire ports from group membership

Command Mode

- /exec/configure

ip igmp snooping last-member-query-interval

{ { no ip igmp snooping last-member-query-interval [<interval>] } | { ip igmp snooping last-member-query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
last-member-query-interval	Configures interval between group-specific Query transmissions
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping link-local-groups-suppression

[no] ip igmp snooping link-local-groups-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
link-local-groups-suppression	Configures VLAN/BD link-local groups suppression

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping link-local-groups-suppression

[no] ip igmp snooping link-local-groups-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
link-local-groups-suppression	Configures Global link-local groups suppression

Command Mode

- /exec/configure

ip igmp snooping many-to-one-enhance

[no] ip igmp snooping many-to-one-enhance

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
many-to-one-enhance	Enable many to one optimization for n3500 platform

Command Mode

- /exec/configure

ip igmp snooping max-gq-miss

{ { no ip igmp snooping max-gq-miss } | { ip igmp snooping max-gq-miss <count> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
max-gq-miss	Configure general query miss count
count	Max number of GQ misses allowed

Command Mode

- /exec/configure

ip igmp snooping mrouter interface

{ [no] ip igmp snooping mrouter interface [vsi] <interface> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
mrouter	Configures static multicast router interface
interface	Specify interface for static-mrouter
vsi	(Optional) Specify if this interface is a VSI
interface	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping mrouter vpc-peer-link

[no] ip igmp snooping mrouter vpc-peer-link

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
mrouter	Configures static multicast router interface
vpc-peer-link	Specify vpc-peer-link as static mrouter for all VLAN/BDs

Command Mode

- /exec/configure

ip igmp snooping optimise-multicast-flood

[no] ip igmp snooping optimise-multicast-flood

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
optimise-multicast-flood	Configures Optimized Multicast Flood (OMF) on all VLAN/BDs

Command Mode

- /exec/configure

ip igmp snooping proxy-leave use-group-address

{ { ip igmp snooping proxy-leave use-group-address } | { no ip igmp snooping proxy-leave use-group-address } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
proxy-leave	Proxy Leave
use-group-address	Use group address for proxy leave

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping proxy general-queries

[no] ip igmp snooping proxy general-queries [mrt <mrt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
proxy	Configures IGMP snooping proxy
general-queries	Configures proxy for general-queries
mrt	(Optional) Configure max-response-time for the switch's proxy general-queries
mrt	(Optional) MRT in seconds

Command Mode

- /exec/configure

ip igmp snooping proxy general-queries

[no] ip igmp snooping proxy general-queries [mrt <mrt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
proxy	Configures IGMP snooping proxy
general-queries	Configures proxy for general-queries
mrt	(Optional) Configure max-response-time for the switch's proxy general-queries
mrt	(Optional) MRT in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping querier-timeout

{ { no ip igmp snooping querier-timeout [<time>] } | { ip igmp snooping querier-timeout <time> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
querier-timeout	Configures querier timeout for IGMPv2
time	(Optional) Time in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping querier

{ { no ip igmp snooping querier [<querier>] } | { ip igmp snooping querier <querier> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
querier	Enables snooping querier
querier	(Optional) Querier IP address

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping query-interval

{ { no ip igmp snooping query-interval [<interval>] } | { ip igmp snooping query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
query-interval	Configures interval between query transmission
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping query-max-response-time

{ { no ip igmp snooping query-max-response-time [<time>] } | { ip igmp snooping query-max-response-time <time> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
query-max-response-time	Configures MRT for query messages
time	(Optional) Time in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping report-flood all

{ { ip igmp snooping report-flood { all | interface <interface> } } | { no ip igmp snooping report-flood { all | interface <interface> } } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
report-flood	Configures Report flooding on a VLAN
interface	Specify interface for report flooding
all	Flood on ALL active ports of VLAN
interface	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping report-suppression

{ { no ip igmp snooping report-suppression } | { ip igmp snooping report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
report-suppression	Configures Global IGMPv1/IGMPv2 Report Suppression

Command Mode

- /exec/configure

ip igmp snooping report-suppression

{ { no ip igmp snooping report-suppression } | { ip igmp snooping report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
report-suppression	Configures IGMPv1/IGMPv2 Report Suppression for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping report prefix interface

{ [no] ip igmp snooping { report-policy | access-group } { prefix-list | route-map } <pname> interface <interface> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
report-policy	IGMP Report Policy
access-group	Filter or report policy for specified groups
prefix-list	IPv4 Prefix-List report policy
route-map	Route-Map report policy
pname	Policy Name
interface	Specify interface for filtering
interface	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping robustness-variable

{ { no ip igmp snooping robustness-variable [<value>] } | { ip igmp snooping robustness-variable <value> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
robustness-variable	Configures RFC defined Robustness Variable
value	(Optional) Count value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping startup-query-count

{ { no ip igmp snooping startup-query-count [<count>] } | { ip igmp snooping startup-query-count <count> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
startup-query-count	Configures number of queries sent at startup
count	(Optional) Count value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping startup-query-interval

{ { no ip igmp snooping startup-query-interval [<interval>] } | { ip igmp snooping startup-query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
startup-query-interval	Configures query interval at startup
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping static-group interface

{ [no] ip igmp snooping static-group <group> [source <source>] interface [vsi] <interface> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
static-group	Configures static group membership
group	Group IP Address
source	(Optional) Configures static (S,G) channel
source	(Optional) Source IP Address
interface	Specify interface for static-group
vsi	(Optional) Specify if this interface is a VSI
interface	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping syslog-threshold

{ ip igmp snooping syslog-threshold <percentage> } | { no ip igmp snooping syslog-threshold }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
syslog-threshold	IGMP SNOOPING table syslog threshold
percentage	Percentage

Command Mode

- /exec/configure

ip igmp snooping v3-report-suppression

{ { no ip igmp snooping v3-report-suppression } | { ip igmp snooping v3-report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
v3-report-suppression	Configures Global IGMPv3 Report Suppression and Proxy Reporting

Command Mode

- /exec/configure

ip igmp snooping v3-report-suppression

{ { no ip igmp snooping v3-report-suppression } | { ip igmp snooping v3-report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
v3-report-suppression	Configures IGMPv3 Report Suppression and Proxy Reporting for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping version

{ { no ip igmp snooping version [<version>] } | { ip igmp snooping version <version> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
version	Configures IGMP version number for VLAN/BD
version	(Optional) Version number value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping vxlan-umc drop

[no] ip igmp snooping vxlan-umc drop [vlan <vlans-range>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
vxlan-umc	Turn off flooding on VLANs
drop	Drop unknown multicast traffic on all VLANs
vlan	(Optional) VLAN list to drop the unknown multicast traffic
vlans-range	(Optional) VLAN IDs for which unknown multicast traffic is dropped

Command Mode

- /exec/configure

ip igmp snooping vxlan

{ { no ip igmp snooping vxlan } | { ip igmp snooping vxlan } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
vxlan	Configures Snooping for vxlan vlans

Command Mode

- /exec/configure

ip igmp spoof-check

[no] ip igmp spoof-check

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
spoof-check	Enable spoof check for IGMP

Command Mode

- /exec/configure

ip igmp ssm-translate

[no] ip igmp ssm-translate <group> <source>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
ssm-translate	Translate IGMPv1/v2 reports to (S,G) route entries
group	IP Multicast group range
source	IP Multicast address source

Command Mode

- /exec/configure /exec/configure/vrf

ip igmp startup-query-count

{ { no ip igmp startup-query-count [<count>] } | { ip igmp startup-query-count <count> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
startup-query-count	Configures number of queries sent at startup
count	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ip igmp startup-query-interval

{ { no ip igmp startup-query-interval [<interval>] } | { ip igmp startup-query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
startup-query-interval	Configures query interval at startup
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ip igmp state-limit

{ { ip igmp state-limit <max-states> [reserved <route-map-name> <max-reserved>] } | { no ip igmp state-limit [<max-states> [reserved <route-map-name> <max-reserved>]] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
state-limit	Configures State limit
max-states	Maximum states allowed
reserved	(Optional) Reserve the states using route-map
route-map-name	(Optional) Route-map name
max-reserved	(Optional) Maximum (*,G)/(S,G) entires allowed on the interface

Command Mode

- /exec/configure/if-igp

ip igmp suppress v3-gsq

[no] ip igmp suppress v3-gsq

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
suppress	Suppress
v3-gsq	v3 GSQ

Command Mode

- /exec/configure/if-igp

ip igmp syslog-threshold

{ ip igmp syslog-threshold <percentage> } | { no ip igmp syslog-threshold }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP related events
syslog-threshold	IGMP table syslog threshold
percentage	Percentage

Command Mode

- /exec/configure

ip igmp version

{ { no ip igmp version [<version>] } | { ip igmp version <version> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
version	Configures IGMP version number for interface
version	(Optional) Version number value

Command Mode

- /exec/configure/if-igp

ip lisp alt-vrf

{ { [no] ip lisp alt-vrf { <vrf-name> | <vrf-known-name> } } | { [no] ipv6 lisp alt-vrf { <vrf-name> | <vrf-known-name> } } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
alt-vrf	Activate LISP-ALT functionality in VRF
vrf-name	VRF name
vrf-known-name	Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp database-mapping dynamic priority weight

{ [no] ip lisp database-mapping <eid-prefix> { <locator> | <locator6> | { dynamic <interface> } } priority <priority> weight <weight> } | { no ip lisp database-mapping <eid-prefix> { <locator> | <locator6> | { dynamic <interface> } } } | { [no] ipv6 lisp database-mapping <eid-prefix6> { <locator> | <locator6> | { dynamic <interface> } } priority <priority> weight <weight> } | { no ipv6 lisp database-mapping <eid-prefix6> { <locator> | <locator6> | { dynamic <interface> } } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
database-mapping	Configures Locator addresses for an ETR
eid-prefix	IP EID-prefix to advertise locators for
locator	IP address of loopback or other ETR loopback interface
dynamic	Get locator dynamically
interface	Interface to learn dynamic locator
priority	Configures which Locators from a set are preferred
priority	Lower priority Locator takes preference
weight	Traffic load-spreading among Locators
weight	Specified in a percentage from 0 to 100

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr

[no] { ip | ipv6 } lisp etr

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
etr	Configures LISP Egress Tunnel Router (ETR) parameters

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr accept-map-request-mapping

{ { [no] ip lisp etr accept-map-request-mapping [verify] } | { [no] ipv6 lisp etr accept-map-request-mapping [verify] } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
etr	Configures LISP Egress Tunnel Router (ETR) parameters
lisp	LISP global configuration commands
accept-map-request-mapping	Configures an ETR to cache mappings received from Map-Request messages
verify	(Optional) Send Map-Request back to Map-Request originator of a Mapping Data Record

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr glean-mapping

{ { [no] ip lisp etr glean-mapping [verify] } | { [no] ipv6 lisp etr glean-mapping } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
etr	Configures LISP Egress Tunnel Router (ETR) parameters
lisp	LISP global configuration commands
glean-mapping	Glean locator mapping from outer DA for inner DA EID
verify	(Optional) Send Map-Request to ITR to verify data gleaning

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr map-cache-ttl

{ [no] ip lisp etr map-cache-ttl <minutes> } | { no ip lisp etr map-cache-ttl } | { [no] ipv6 lisp etr map-cache-ttl <minutes> } | { no ipv6 lisp etr map-cache-ttl }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
etr	Configures LISP Egress Tunnel Router (ETR) parameters
lisp	LISP global configuration commands
map-cache-ttl	Configures TTL for Map-Reply messages
minutes	Time-to-Live in units of minutes

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr map-register-ttl

{ [no] ip lisp etr map-register-ttl <minutes> } | { no ip lisp etr map-register-ttl } | { [no] ipv6 lisp etr map-register-ttl <minutes> } | { no ipv6 lisp etr map-register-ttl }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
etr	Configures LISP Egress Tunnel Router (ETR) parameters
lisp	LISP global configuration commands
map-register-ttl	Configures TTL for Map-Register messages
minutes	Time-to-Live in units of minutes

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr map-server key

{ { [no] ip lisp etr map-server { <ms> | <ms6> } [key-type { sha1 | sha2 }] key <key> } | { [no] ipv6 lisp etr map-server { <ms> | <ms6> } [key-type { sha1 | sha2 }] key <key> } | { [no] ip lisp etr map-server { <ms> | <ms6> } proxy-reply } | { [no] ipv6 lisp etr map-server { <ms> | <ms6> } proxy-reply } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
etr	Configures LISP Egress Tunnel Router (ETR) parameters
map-server	To interact with Map-Server
ms	Address of IPv4 map-server
key-type	(Optional) Authentication key type, either sha1 or sha2
sha1	(Optional) Use sha1 authenication in Map-Register messages
sha2	(Optional) Use sha2 authenication in Map-Register messages
key	Authentication key used with Map-Server
key	SHA-1 password key
proxy-reply	Request Map-Server to send Map-Replies on behalf of site

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp hardware-forwarding

[no] { ip | ipv6 } lisp hardware-forwarding

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
hardware-forwarding	Enable/disable Nexus 7K hardware forwarding

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp itr-etr

[no] { ip | ipv6 } lisp itr-etr

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
itr-etr	Configures both LISP ITR and ETR functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp itr

[no] { ip | ipv6 } lisp itr

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
itr	Configures LISP Ingress Tunnel Router (ITR) parameters

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp itr map-resolver

{ [no] { ip | ipv6 } lisp itr map-resolver { <mr> | <mr6> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
itr	Configures LISP Ingress Tunnel Router (ITR) parameters
map-resolver	To interact with Map-Resolver
mr	Address of IPv4 map-server

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp itr send-data-probe

{ { [no] ip lisp itr send-data-probe } | { [no] ipv6 lisp itr send-data-probe } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
itr	Configures LISP Ingress Tunnel Router (ITR) parameters
send-data-probe	Send a Data-Probe instead of Map-Request on the LISP-ALT topology

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp locator-vrf

{ { [no] ip lisp locator-vrf { <vrf-name> | <vrf-known-name> } } | { [no] ipv6 lisp locator-vrf { <vrf-name> | <vrf-known-name> } } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
locator-vrf	Configure what VRF to use for locator command references
vrf-name	VRF name
vrf-known-name	Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-cache-limit

[no] { ip | ipv6 } lisp map-cache-limit <limit> [reserve-list <prefix-list>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-cache-limit	Configures maximum size of map-cache
limit	Maximum number of map-cache entries
reserve-list	(Optional) EID-prefixes guaranteed to be stored in map-cache
prefix-list	(Optional) Reference to prefix-list name

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-cache drop native-forward map-request priority weight

{ { [no] ip lisp map-cache <eid-prefix> { drop | native-forward | map-request | { { <locator> | <locator6> } priority <priority> weight <weight> [down] } } } | { [no] ipv6 lisp map-cache <eid-prefix6> { drop | native-forward | map-request | { { <locator6> | <locator> } priority <priority> weight <weight> [down] } } } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-cache	Configures static EID-to-RLOC mappings for an ITR
eid-prefix	IP EID-prefix for RLOC static mapping
locator	IP address of loopback or other ETR loopback interface
priority	Configures which Locators from a set are preferred
priority	Lower priority Locator takes preference
weight	Traffic load-spreading among Locators
weight	Specified in a percentage from 0 to 100
down	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
drop	Drop packets that match this map-cache entry
native-forward	Natively forward packets that match his map-cache entry
map-request	Send Map-Request for LISP destination EID

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-request-source

{ [no] ip lisp map-request-source <source> } | { no ip lisp map-request-source } | { [no] ipv6 lisp map-request-source <source6> } | { no ipv6 lisp map-request-source }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-request-source	Configures source address for Map-Request message
source	Source address for IPv4 Map-Request message

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-resolver

{ [no] { ip | ipv6 } lisp map-resolver }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-resolver	Configures LISP Map Resolver functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-server

{ [no] { ip | ipv6 } lisp map-server }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-server	Configures LISP Map Server functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp multicast

[no] ip lisp multicast

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
lisp	LISP global configuration commands
multicast	Configures LISP to carry multicast traffic, when ITR or ETR function is enabled

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp nat-traversal

[no] { ip | ipv6 } lisp nat-traversal

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP interface configuration commands
nat-traversal	Send Echo messages to Map-Server to get global locator

Command Mode

- /exec/configure/if-igp

ip lisp ntr

[no] ip lisp ntr <locator>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
lisp	LISP global configuration commands
ntr	Configures LISP NAT Tunnel Router (NTR)
locator	Local IP address in locator namespace

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp proxy-etr

{ { [no] ip lisp proxy-etr } | { [no] ipv6 lisp proxy-etr } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
proxy-etr	Configures a Proxy ETR (PETR)
lisp	

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp proxy-itr

{ { [no] ip lisp proxy-itr { <local-rloc> | <local-rloc6> } + } | { [no] ipv6 lisp proxy-itr { <local-rloc> | <local-rloc6> } + } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
proxy-itr	Configures a Proxy ITR (PTR)
local-rloc	Local IP address in locator namespace
lisp	

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp shortest-eid-prefix-length

{ { [no] ip lisp shortest-eid-prefix-length <pl> } | { [no] ipv6 lisp shortest-eid-prefix-length <pl6> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
shortest-eid-prefix-length	Do not accept EID-prefixes shorter than configured value
pl	IPv4 EID-prefix length
pl6	IPv6 EID-prefix length

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp source-locator

{ [no] { ip | ipv6 } lisp source-locator <interface> [secondary] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP interface configuration commands
source-locator	Select source locator when destination locator uses this interface
interface	Use primary address from interface as source locator
secondary	(Optional) Use secondary address on interface as source locator

Command Mode

- /exec/configure/if-igp

ip lisp translate inside outside

{ { [no] ip lisp translate inside <nrEID> outside <rEID> } | { [no] ipv6 lisp translate inside <nrEID6> outside <rEID6> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
translate	Translate source address on ITR or destination address on ETR
inside	Site-based non-routable EID
nrEID	IPv4 inside address
outside	External-based routable EID
rEID	IPv4 outside address

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp use-bgp-locators

[no] { ip | ipv6 } lisp use-bgp-locators [route-map <rmap-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
use-bgp-locators	Use next-hops from BGP as locators for map-cache entries
route-map	(Optional) Route-map applied to on-demand routes.
rmap-name	(Optional) Route-map name

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp use-petr priority weight

[no] { ip | ipv6 } lisp use-petr { <petr> | <petr6> } priority <priority> weight <weight>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
use-petr	Encapsulate to Proxy ETR for matching forward-native entry
petr	IPv4 locator address of PETR
priority	Configures which Locators from a set are preferred
priority	Lower priority Locator takes preference
weight	Traffic load-spreading among Locators
weight	Specified in a percentage from 0 to 100

Command Mode

- /exec/configure /exec/configure/vrf

ip load-sharing address

[no] ip load-sharing address { source-destination [port source-destination2 [symmetric | inner { all [infra-mode] | greheader [symmetric] }] | gre | gre-outer | gtpu | ipv6-flowlabel | ttl | { [udf offset <offset> length <length>] }] | destination port2 destination2 | source } { [rotate <rotate>] | [concatenation] } + [universal-id <random-seed>] | no ip load-sharing address

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
load-sharing	ECMP load-sharing
address	Configure source/destination addresses, port numbers and hash
source-destination	Use both source and destination values for address
port	(Optional) Use source-destination value for port
gre	(Optional) Use source-destination value for gre-key
symmetric	(Optional) Use Symmetric load balance
inner	(Optional) Use inner header to load balance
all	(Optional) Use inner header for hashing for all the traffic
infra-mode	(Optional) Use inner header for hashing for all traffic,change mode to infra
greheader	(Optional) Use GRE header fields for hashing
gre-outer	(Optional) Use outer IPv4 header fields for GRE tunnel hashing
gtpu	(Optional) Use GTPU TEID value for port source-destination
ipv6-flowlabel	(Optional) Use IPV6 Flow Label value for port source-destination
ttl	(Optional) Use ttl value to be used in hash for source port
udf	(Optional) Use udf value to be used in hash for source port
offset	(Optional) Offset in bytes for UDF (from offset base - L3 header)
offset	(Optional) Enter Offset value in bytes for UDF (from offset base - L3 header)
length	(Optional) Length in bits from udf offset
length	(Optional) Enter Length in bits from udf offset
source-destination2	(Optional) Use both source and destination values for port

destination	Use destination address
port2	Use destination value for port
destination2	Use destination port
source	Use source address
rotate	(Optional) Offset to be used in the hash
rotate	(Optional) Value used for offset, default value is 32
concatenation	(Optional) Enable/Disable concatenation
universal-id	(Optional) Universal-id to randomize hash functions for load-balance
random-seed	(Optional) Value used to randomize hash

Command Mode

- /exec/configure

ip local-proxy-arp

{ ip local-proxy-arp [no-hw-flooding] | no ip local-proxy-arp [no-hw-flooding] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
local-proxy-arp	Configure local proxy ARP
no-hw-flooding	(Optional) Configure local proxy ARP without hardware flooding

Command Mode

- /exec/configure/if-igp /exec/configure/if-vlan-common

ip local policy route-map

ip local policy route-map <route-map-name> | no ip local policy route-map [<route-map-name> | <route-map-name>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
local	Configure local PBR feature
policy	Configure PBR feature
route-map	Route-map for PBR
route-map-name	Route-map name
route-map-name	(Optional) Route-map name
route-map-name	(Optional) Known route-map name

Command Mode

- /exec/configure /exec/configure/vrf

ip mfwd mstatic register

[no] ip mfwd mstatic register

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
mfwd	Configures Global IP Multicast Forwarding
mstatic	Static Multicast Route
register	Register

Command Mode

- /exec/configure

ip mroute

[no] ip mroute { <ip-addr> <ip-mask> | <ip-prefix> } { { <next-hop> | <nh-prefix> } | <interface> } [<pref>] [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
mroute	Configure multicast RPF static route
ip-addr	IP prefix in format i.i.i.i
ip-mask	IP network mask in format m.m.m.m
ip-prefix	IP prefix and network mask length in format x.x.x.x/m
next-hop	IP next-hop address in format i.i.i.i
nh-prefix	IP next-hop prefix in format i.i.i.i/m
interface	Interface for interface static multicast routes
pref	(Optional) Route preference
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp description

ip msdp description <peer-address> <text> | no ip msdp description <peer-address> [<text>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
description	Configure MSDP description for peer
peer-address	IP address of MSDP peer
text	Text description

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp flush-routes

[no] ip msdp flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
flush-routes	Remove routes when restarting MSDP

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp group-limit source

[no] ip msdp group-limit <limit> source <sprefix>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
group-limit	Limit the number of groups per source
limit	Limit on number of groups
source	Sources to limit groups to
sprefix	Prefix to match sources against

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp keepalive

ip msdp keepalive <peer-address> <interval> <timeout> | no ip msdp keepalive <peer-address> [<interval> <timeout>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
keepalive	Configure MSDP keepalive parameters for peer
peer-address	IP address of MSDP peer
interval	Keepalive interval in seconds
timeout	Keepalive timeout in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp mesh-group

ip msdp mesh-group <peer-address> <name> | no ip msdp mesh-group <peer-address> [<name>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
mesh-group	Configure member of mesh-group
name	Name of mesh-group
peer-address	IP address of MSDP peer in mesh-group

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp originator-id

ip msdp originator-id <interface> | no ip msdp originator-id [<interface>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
originator-id	Configure alternative router-id for MSDP
interface	Use IP address of interface for originator-id

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp password

ip msdp password <peer-address> <password> | no ip msdp password <peer-address> [<password>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
password	Configure MD5 authentication password
peer-address	IP address of MSDP peer
password	MD5 password

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp peer connect-source

{ { ip msdp peer <peer-address> connect-source <interface> [remote-as <asn>] } | { no ip msdp peer <peer-address> [connect-source <interface>] [remote-as <asn>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
peer	Configure MSDP peer
peer-address	IP address of MSDP peer
connect-source	Configure local IP address for TCP connection
interface	Use IP address of interface for peer address
remote-as	(Optional) Configure remote Autonomous System Number
asn	(Optional) AS number

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp reconnect-interval

ip msdp reconnect-interval <interval> | no ip msdp reconnect-interval [<interval>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
reconnect-interval	Configure connection reconnect interval
interval	Interval in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp redistribute

[no] ip msdp redistribute [route-map <route-map-name> | prefix-list <prefix-list-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
redistribute	Configure SA policy for all MSDP peer
route-map	(Optional) route-map policy
route-map-name	(Optional) Route-map name
prefix-list	(Optional) Prefix list policy
prefix-list-name	(Optional) Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp sa-interval

ip msdp sa-interval <interval> | no ip msdp sa-interval [<interval>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
sa-interval	Configure Source-Active message transmission interval
interval	Interval in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp sa-limit

ip msdp sa-limit <peer-address> <limit> | no ip msdp sa-limit <peer-address> [<limit>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
sa-limit	Configure maximum (S,G) entries allowed
limit	Number of (S,G) entries
peer-address	IP address of MSDP peer in mesh-group

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp sa-policy in

[no] ip msdp sa-policy <peer-address> { <route-map-name> | prefix-list <prefix-list-name> | <rtr_pol_name> } in

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
sa-policy	Configure SA policy for MSDP peer
prefix-list	Prefix list policy
in	Input policy
peer-address	IP address of MSDP peer for SA policy
route-map-name	Route-map name
prefix-list-name	Name of prefix-list
rtr_pol_name	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp sa-policy out

[no] ip msdp sa-policy <peer-address> { <route-map-name> | prefix-list <prefix-list-name> | <rtr_pol_name> } out

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
sa-policy	Configure SA policy for MSDP peer
prefix-list	Prefix list policy
out	Output policy
peer-address	IP address of MSDP peer for SA policy
route-map-name	Route-map name
prefix-list-name	Name of prefix-list
rtr_pol_name	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp shutdown

ip msdp shutdown <peer-address> | no ip msdp shutdown <peer-address>

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
shutdown	Administratively shut down peer
peer-address	IP address of MSDP peer

Command Mode

- /exec/configure /exec/configure/vrf

ip mtu eigrp

{ { { ip | ipv6 } mtu eigrp <eigrp-ptag> <mtu> } | { no { ip | ipv6 } mtu eigrp <eigrp-ptag> [<mtu>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
mtu	Set Max Packet Size to be used by EIGRP
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
mtu	Interface MTU
eigrp-ptag	

Command Mode

- /exec/configure/if-igp

ip multicast group-range prefix-list

{ ip multicast group-range prefix-list <prefix-list-name> } | { no ip multicast group-range prefix-list [<prefix-list-name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
multicast	Display multicast information
group-range	Display group-range prefix
prefix-list	Group range prefix-list policy for multicast boundary
prefix-list-name	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip multicast multipath

[no] ip multicast multipath { none | legacy | s-g-hash [next-hop-based] | nbm }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
multicast	Configure IP multicast global parameters
multipath	Configure ECMP multicast load splitting
legacy	Configure hash based on source and group
none	Disable ECMP multicast load splitting
s-g-hash	Configure hash based on source and group address
next-hop-based	(Optional) Configure hash based on source, group, next-hop address
nbm	Configure NBM controlled RPF interface

Command Mode

- /exec/configure /exec/configure/vrf

ip multicast multipath resilient

[no] ip multicast multipath resilient

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
multicast	Configure IP multicast global parameters
multipath	Configure ECMP multicast load splitting
resilient	Configure resilient RPF interface

Command Mode

- /exec/configure /exec/configure/vrf

ip multicast overlay-distributed-dr

[no] ip multicast overlay-distributed-dr

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
multicast	Configure multicast
overlay-distributed-dr	Configure node as Distributed-DR

Command Mode

- /exec/configure

ip multicast overlay-spt-only

[no] ip multicast overlay-spt-only

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
multicast	Configure multicast
overlay-spt-only	Enable L3-Overlay spt(shortest-path-tree) only

Command Mode

- /exec/configure

ip multicast rpf select vrf group-list

{ { ip multicast rpf select { vrf { <vrf-name> | <vrf-known-name> } group-list <prefix> } } | { no ip multicast rpf select { vrf { <vrf-name> | <vrf-known-name> } group-list <prefix> } } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
multicast	Configure IP multicast global parameters
rpf	Configure RPF check
select	Configure VRF for RPF check
vrf	VRF for RPF lookup
vrf-name	VRF name
vrf-known-name	Known VRF name
group-list	Group range for RPF select
prefix	Group range prefix

Command Mode

- /exec/configure /exec/configure/vrf

ip name-server

[no] ip name-server { { <ipv4_0> | <ipv6_1> } [{ <ipv4_2> | <ipv6_3> } [{ <ipv4_4> | <ipv6_5> } [{ <ipv4_6> | <ipv6_7> } [{ <ipv4_8> | <ipv6_9> } [{ <ipv4_10> | <ipv6_11> }]]]]] | { <ipv4_12> | <ipv6_13> } [use-vrf { <vrf-name> | <vrf-known-name> }] | { <ipv4_14> | <ipv6_15> } [{ <ipv4_16> | <ipv6_17> } [use-vrf { <vrf-name> | <vrf-known-name> }]] | { <ipv4_18> | <ipv6_19> } [{ <ipv4_20> | <ipv6_21> } [{ <ipv4_22> | <ipv6_23> } [use-vrf { <vrf-name> | <vrf-known-name> }]]] | { <ipv4_24> | <ipv6_25> } [{ <ipv4_26> | <ipv6_27> } [{ <ipv4_28> | <ipv6_29> } [{ <ipv4_30> | <ipv6_31> } [use-vrf { <vrf-name> | <vrf-known-name> }]]]] | { <ipv4_32> | <ipv6_33> } [{ <ipv4_34> | <ipv6_35> } [{ <ipv4_36> | <ipv6_37> } [{ <ipv4_38> | <ipv6_39> } [{ <ipv4_40> | <ipv6_41> } [use-vrf { <vrf-name> | <vrf-known-name> }]]]]] | { <ipv4_42> | <ipv6_43> } [{ <ipv4_44> | <ipv6_45> } [{ <ipv4_46> | <ipv6_47> } [{ <ipv4_48> | <ipv6_49> } [{ <ipv4_50> | <ipv6_51> } [{ <ipv4_52> | <ipv6_53> } [use-vrf { <vrf-name> | <vrf-known-name> }]]]]]] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
name-server	Specify nameserver address
ipv4_0	Enter an IPv4 address
ipv4_2	(Optional) Enter an IPv4 address
ipv4_4	(Optional) Enter an IPv4 address
ipv4_6	(Optional) Enter an IPv4 address
ipv4_8	(Optional) Enter an IPv4 address
ipv4_10	(Optional) Enter an IPv4 address
ipv4_12	Enter an IPv4 address
use-vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv4_14	Enter an IPv4 address
ipv4_16	(Optional) Enter an IPv4 address
ipv4_18	Enter an IPv4 address
ipv4_20	(Optional) Enter an IPv4 address
ipv4_22	(Optional) Enter an IPv4 address
ipv4_24	Enter an IPv4 address

ipv4_26	(Optional) Enter an IPv4 address
ipv4_28	(Optional) Enter an IPv4 address
ipv4_30	(Optional) Enter an IPv4 address
ipv4_32	Enter an IPv4 address
ipv4_34	(Optional) Enter an IPv4 address
ipv4_36	(Optional) Enter an IPv4 address
ipv4_38	(Optional) Enter an IPv4 address
ipv4_40	(Optional) Enter an IPv4 address
ipv4_42	Enter an IPv4 address
ipv4_44	(Optional) Enter an IPv4 address
ipv4_46	(Optional) Enter an IPv4 address
ipv4_48	(Optional) Enter an IPv4 address
ipv4_50	(Optional) Enter an IPv4 address
ipv4_52	(Optional) Enter an IPv4 address

Command Mode

- /exec/configure /exec/configure/vrf

ip nat inside

[no] ip nat { inside | outside }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
nat	NAT interface commands
inside	Inside interface for address translation
outside	Outside interface for address translation

Command Mode

- /exec/configure/if-port-channel /exec/configure/if-vlan /exec/configure/if-remote-ethernet /exec/configure/if-igp /exec/configure/if-routing

ip nat inside source

[no] ip nat inside source { { static <insideLocalIP> <insideGlobalIP> [vrf <vrf-name> [match-in-vrf]] [group <group-id> [dynamic]] [no-alias] [add-route] } | { static { tcp | udp } <insideLocalIP> <insideLocalPort> <insideGlobalIP> <insideGlobalPort> [vrf <vrf-name> [match-in-vrf]] [group <group-id> [dynamic]] [no-alias] [add-route] } | { list <acl-name> } { pool <pool-name> [vrf <vrf-name> [match-in-vrf]] [overload] | interface <globalAddrInterface> [vrf <vrf-name> [match-in-vrf]] overload } [group <group-id> dynamic] [add-route] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
inside	Inside address translation
source	Source address translation
static	Specify static local->global mapping
tcp	Transmission Control Protocol
udp	User Datagram Protocol
list	Specify access list describing local addresses
pool	Name pool of global addresses
interface	Specify interface for global address
vrf	(Optional) Specify vrf
match-in-vrf	(Optional) Match incoming vrf
no-alias	(Optional) Do not create alias for this NAT-address
dynamic	(Optional) Dynamic twice NAT group
insideLocalIP	Inside local IP address
insideLocalPort	Local UDP/TCP port
insideGlobalIP	Inside global IP address
insideGlobalPort	Global UDP/TCP port
group	(Optional) Specify group for the twice NAT
group-id	(Optional) Group ID for the twice NAT
acl-name	Access-list-name

pool-name	Pool name for global addresses
add-route	(Optional) Add a static route for outside local address
vrf-name	(Optional) vrf name
globalAddrInterface	interface type and number in module/slot format
overload	(Optional) Overload an address translation

Command Mode

- /exec/configure

ip nat outside source

[no] ip nat outside source { static <outsideGlobalIP> <outsideLocalIP> [vrf <vrf-name> [match-in-vrf]] [group <group-id> [dynamic]] [no-alias] [add-route] | static { tcp | udp } <outsideGlobalIP> <outsideGlobalPort> <outsideLocalIP> <outsideLocalPort> [vrf <vrf-name> [match-in-vrf]] [group <group-id> [dynamic]] [no-alias] [add-route] | list <acl-name> pool <pool-name> [vrf <vrf-name> [match-in-vrf]] [group <group-id> dynamic] } [add-route]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
outside	Outside address translation
source	Source address translation
static	Specify static global->local mapping
tcp	Transmission Control Protocol
udp	User Datagram Protocol
list	Specify access list describing local addresses
pool	Name pool of global addresses
vrf	(Optional) Specify vrf
match-in-vrf	(Optional) Match incoming vrf
no-alias	(Optional) Do not create alias for this NAT-address
outsideGlobalIP	Outside global IP address
outsideGlobalPort	Outside Global UDP/TCP port
outsideLocalIP	Outside local IP address
outsideLocalPort	Outside Local UDP/TCP port
group	(Optional) Specify group for the twice NAT
dynamic	(Optional) Dynamic twice NAT group
group-id	(Optional) Group ID for the twice NAT
acl-name	Access-list-name
vrf-name	(Optional) vrf name
pool-name	Pool name for global addresses

add-route	(Optional) Add a static route for outside local address

Command Mode

- /exec/configure

ip nat pool netmask

ip nat pool <pool-name> <start-ip> <end-ip> { netmask <netmask> | prefix-length <prefix-length> } [no-alias] | no ip nat pool <pool-name> [<start-ip> <end-ip> { netmask <netmask> | prefix-length <prefix-length> }]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
pool	Define pool of addresses
netmask	Specify the network mask
prefix-length	Specify the prefix length
no-alias	(Optional) Do not create alias for these pool addresses
pool-name	Pool name
start-ip	Start IP address
end-ip	End IP address
netmask	Network mask
prefix-length	Prefix length

Command Mode

- /exec/configure

ip nat pool netmask

ip nat pool <pool-name> { netmask <netmask> | prefix-length <prefix-length> } [no-alias]

Syntax Description

ip	Configure IP features
nat	NAT configuration commands
pool	Define pool of addresses
netmask	Specify the network mask
prefix-length	Specify the prefix length
no-alias	(Optional) Do not create alias for these pool addresses
pool-name	Pool name
netmask	Network mask
prefix-length	Prefix length

Command Mode

- /exec/configure

ip nat translation

ip nat translation { { { tcp-timeout | udp-timeout | icmp-timeout | timeout } <timeout> } | { finrst-timeout { <fin_timeout> | never } | syn-timeout { <syn_timeout> | never } | timeout <timeout> } } | no ip nat translation { { { tcp-timeout | udp-timeout | icmp-timeout | timeout } <timeout> } | { finrst-timeout { <fin_timeout> | never } | syn-timeout { <syn_timeout> | never } | timeout } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
translation	NAT translation entry configuration
tcp-timeout	Specify timeout for NAT TCP flows
udp-timeout	Specify timeout for NAT UDP flows
icmp-timeout	Specify timeout for NAT ICMP flows
finrst-timeout	Specify timeout for NAT TCP flows after a FIN or RST
syn-timeout	Specify timeout for NAT TCP flows after a SYN and no further data
timeout	Specify timeout for dynamic NAT flows
never	Never timeout
timeout	Timeout in seconds
fin_timeout	Timeout in seconds
syn_timeout	Timeout in seconds

Command Mode

- /exec/configure

ip nat translation creation-delay

{ ip nat translation creation-delay <batch-timeout> } | { no ip nat translation creation-delay }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
translation	NAT translation entry configuration
creation-delay	Translation entries creation delay due to batching before program to tcam
batch-timeout	0/250/500/750/1000

Command Mode

- /exec/configure

ip nat translation max-entries

ip nat translation max-entries [all-host] <max> | no ip nat translation max-entries [all-host]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
translation	NAT translation entry configuration
max-entries	Specify maximum number of NAT dynamic entries
all-host	(Optional) Specify maximum number of NAT entries for each host
max	Number of entries

Command Mode

- /exec/configure

ip nat translation sampling-timeout

[no] ip nat translation sampling-timeout <timeout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
translation	NAT translation entry configuration
sampling-timeout	Specify timeout after which the checking for activity is done
timeout	Timeout in seconds (max: 2days, recommended 900s)

Command Mode

- /exec/configure

ip next-hop-self eigrp

[no] { ip | ipv6 } next-hop-self eigrp <eigrp-ptag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
next-hop-self	Configures IP-EIGRP next-hop-self
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag

Command Mode

- /exec/configure/if-igp

ip offset-list eigrp

[no] { ip | ipv6 } offset-list eigrp <eigrp-ptag> { { route-map <map> } | { prefix-list <list> } } { in | out } <offset>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
offset-list	Add or subtract offset from EIGRP metrics
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
route-map	Use a route-map for offset-list selection
map	Route-map name
prefix-list	Use a prefix-list for offset-list selection
list	Reference to prefix-list name
in	Perform offset on incoming updates
out	Perform offset on outgoing updates
offset	Offset

Command Mode

- /exec/configure/if-igp

ip ospf advertise-subnet

[no] ip ospf advertise-subnet

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
advertise-subnet	Advertise loopback interface IP subnet in router LSA

Command Mode

- /exec/configure/if-loopback

ip ospf authentication-key

{ { ip ospf authentication-key <key> } | { no ip ospf authentication-key [<key>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
authentication-key	Configure the authentication key for the interface
key	Authentication key

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf authentication

[no] ip ospf authentication [message-digest | null]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
authentication	Authentication on the interface
message-digest	(Optional) Use message-digest authentication
null	(Optional) Use null(disable) authentication

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf authentication key-chain

{ ip ospf authentication key-chain <keychain> } | { no ip ospf authentication key-chain [<keychain>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
authentication	Authentication on the interface
key-chain	Authentication password key-chain
keychain	Key-chain name

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf bfd

[no] ip ospf bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
bfd	Enable BFD on this interface
disable	(Optional) Disable BFD on this interface

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mgmt-config

ip ospf cost

{ ip ospf cost <cost> } | { no ip ospf cost [<cost>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
cost	Cost associated with interface
cost	Cost value

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf dead-interval

{ ip ospf dead-interval <interval> } | { no ip ospf dead-interval [<interval>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
dead-interval	Dead interval
interval	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf hello-interval

{ ip ospf hello-interval <interval> } | { no ip ospf hello-interval [<interval>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
hello-interval	Hello interval
interval	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf message-digest-key md5

{ { ip ospf message-digest-key <keyid> md5 <key> } | { no ip ospf message-digest-key <keyid> [md5 <key>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
message-digest-key	Message digest authentication password (key)
keyid	Key ID
md5	Use MD5 algorithm
key	The OSPF password (key)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf mtu-ignore

[no] ip ospf mtu-ignore

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
mtu-ignore	Disable OSPF MTU mismatch detection

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf network broadcast

{ ip ospf network { broadcast | point-to-point } } | { no ip ospf network [{ broadcast | point-to-point }] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
network	Network type
broadcast	Specify OSPF broadcast multi-access network
point-to-point	Specify OSPF point-to-point network

Command Mode

- /exec/configure/if-broadcast /exec/configure/if-p2p /exec/configure/if-mgmt-config

ip ospf network point-to-point

{ ip ospf network point-to-point } | { no ip ospf network [point-to-point] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
network	Network type
point-to-point	Specify OSPF point-to-point network

Command Mode

- /exec/configure/if-loopback

ip ospf passive-interface

[default | no] ip ospf passive-interface

Syntax Description

default	(Optional) Undo a command
no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
passive-interface	Suppress routing updates on the interface

Command Mode

- /exec/configure/if-broadcast /exec/configure/if-p2p /exec/configure/if-mgmt-config

ip ospf prefix-attributes n-flag-clear

[no] ip ospf prefix-attributes n-flag-clear

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
prefix-attributes	Prefix attributes
n-flag-clear	Clear N-Flag for the interface prefixes

Command Mode

- /exec/configure/if-loopback

ip ospf priority

{ ip ospf priority <prio> } | { no ip ospf priority [<prio>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
priority	Router priority
prio	Router priority

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf retransmit-interval

{ ip ospf retransmit-interval <interval> } | { no ip ospf retransmit-interval [<interval>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
retransmit-interval	Packet retransmission interval
interval	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf shutdown

[no] ip ospf shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
shutdown	shutdown ospf on this interface

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mgmt-config

ip ospf transmit-delay

{ ip ospf transmit-delay <delay> } | { no ip ospf transmit-delay [<delay>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
transmit-delay	Packet transmission delay
delay	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip passive-interface eigrp

[default | no] { ip | ipv6 } passive-interface eigrp <eigrp-ptag>

Syntax Description

default	(Optional) Undo a command
no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
passive-interface	Suppress routing updates on an interface
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag

Command Mode

- /exec/configure/if-igp

ip pim anycast-rp

[no] ip pim anycast-rp <anycast-rp> <rp-addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
anycast-rp	Configure an RP in an Anycast-RP set (using PIM)
anycast-rp	Address for the Anycast-RP address
rp-addr	Address of RP in the Anycast-RP set

Command Mode

- /exec/configure /exec/configure/vrf

ip pim assert-rate-limit

{ { ip pim assert-rate-limit <rate> } | { no ip pim assert-rate-limit [<rate>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
assert-rate-limit	Rate limit for PIM Asserts
rate	Packets per second

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-enable

{ { no ip pim auto-enable } | { ip pim auto-enable } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-enable	Auto-enable configure on the vrf

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp listen

{ ip pim auto-rp { listen | forward } + } | { no ip pim auto-rp [{ listen | forward } +] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
listen	Listen to Auto-RP messages
forward	Forward Auto-RP messages

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp mapping-agent-policy

{ ip pim auto-rp mapping-agent-policy { <route-map-name> | <rtr_pol_name> } | no ip pim auto-rp mapping-agent-policy [<route-map-name> | <rtr_pol_name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
mapping-agent-policy	Specify policy for filtering Mapping Agent messages
route-map-name	Route-map name
rtr_pol_name	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp mapping-agent send-rp-discovery

{ { ip pim { { auto-rp mapping-agent } | send-rp-discovery } <interface> [scope <ttl>] } | { no ip pim { { auto-rp mapping-agent } | send-rp-discovery } [<interface>] [scope <ttl>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
send-rp-discovery	Configures router to send Auto-RP Discovery messages
mapping-agent	Configures router as an Auto-RP RP-mapping agent
interface	Use IP address of interface for Auto-RP Announce messages
scope	(Optional) Configure the scope of Auto-RP Discovery messages
ttl	(Optional) TTL value for scope

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp rp-candidate-policy

{ ip pim auto-rp rp-candidate-policy { <route-map-name> | <rtr_pol_name> } | no ip pim auto-rp rp-candidate-policy [<route-map-name> | <rtr_pol_name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
rp-candidate-policy	Specify policy for filtering RP candidate messages
route-map-name	Route-map name
rtr_pol_name	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp rp-candidate send-rp-announce group-list route-map prefix-list

{ { ip pim { auto-rp rp-candidate | send-rp-announce } { <interface> | <ipaddr> } { group-list <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name> } { [scope <ttl>] | [interval <interval>] | [bidir] } + } | { no ip pim { { auto-rp rp-candidate } | send-rp-announce } [<interface> | <ipaddr>] [group-list <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name>] { [scope <ttl>] | [interval <interval>] | [bidir] } } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
send-rp-announce	Configures router to send Auto-RP Announce messages
rp-candidate	Configures router to be an Auto-RP candidate RP
interface	Use IP address of interface for Auto-RP Announce messages
ipaddr	IP address of RP for group
group-list	Group range list
prefix	Prefix of group range
route-map	Group range policy for Auto-RP Candidate RP
route-map-name	Route-map name
prefix-list	Prefix List policy for Auto-RP Candidate RP
prefix-list-name	Name of prefix-list
scope	(Optional) Configure the scope of Auto-RP Announce messages
ttl	(Optional) TTL value for scope
interval	(Optional) Auto-RP Announce message transmission interval
interval	(Optional) Interval in seconds
bidir	(Optional) Group range advertised in PIM bidirectional mode

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bfd-instance

[no] ip pim bfd-instance [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
bfd-instance	Configures BFD on interface
disable	(Optional) Disable BFD on interface

Command Mode

- /exec/configure/if-igp

ip pim bfd

[no] ip pim bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bfd	Enable / Disable BFD for all PIM interfaces in the VRF

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bidir-rp-limit

[no] ip pim bidir-rp-limit <limit>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bidir-rp-limit	Configures maximum Bidir RPs for IPv4 PIM in this VRF
limit	Set limit for Bidir RPs permitted in IPv4 PIM

Command Mode

- /exec/configure /exec/configure/vrf

ip pim border-router

[no] ip pim border-router

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
border-router	Configures the interface to be a boundary of a PIM-SM domain

Command Mode

- /exec/configure/if-igp

ip pim border

[no] ip pim border

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
border	Configures interface to be a boundary of a PIM domain

Command Mode

- /exec/configure/if-igp

ip pim bsr-candidate

{ { ip pim [bsr] bsr-candidate <interface> [hash-len <hash-len>] [priority <priority>] [interval <interval>] } | { no ip pim [bsr] bsr-candidate [<interface>] [hash-len <hash-len>] [priority <priority>] [interval <interval>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	(Optional) Bootstrap protocol RP-distribution configuration
bsr-candidate	Configure router as a Bootstrap Router candidate
interface	Use IP address of interface for Bootstrap messages
hash-len	(Optional) Hash mask length used in Bootstrap messages
hash-len	(Optional) Hash mask length value
priority	(Optional) BSR priority used in Bootstrap messages
priority	(Optional) BSR priority value
interval	(Optional) Bootstrap message transmission interval
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bsr bsr-policy

{ ip pim bsr bsr-policy { <route-map-name> | <rtr_pol_name> } | no ip pim bsr bsr-policy [<route-map-name> | <rtr_pol_name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	Bootstrap protocol RP-distribution configuration
bsr-policy	Specify policy for filtering BSR messages
route-map-name	Route-map name
rtr_pol_name	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bsr listen

{ ip pim bsr { listen | forward } + } | { no ip pim bsr [{ listen | forward } +] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	Bootstrap protocol RP-distribution configuration
listen	Listen to Bootstrap/Candidate-RP messages
forward	Forward Bootstrap/Candidate-RP messages

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bsr rp-candidate-policy

{ ip pim bsr rp-candidate-policy { <route-map-name> | <rtr_pol_name> } | no ip pim bsr rp-candidate-policy [<route-map-name> | <rtr_pol_name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	Bootstrap protocol RP-distribution configuration
rp-candidate-policy	Specify policy for filtering RP candidate messages
route-map-name	Route-map name
rtr_pol_name	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip pim dr-delay

{ { ip pim dr-delay <delay> } | { no ip pim dr-delay [<delay>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
dr-delay	Configures delay for PIM DR election on interface
delay	Delay value

Command Mode

- /exec/configure/if-igp

ip pim dr-priority

{ { ip pim dr-priority <priority> } | { no ip pim dr-priority [<priority>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
dr-priority	Configures priority for PIM DR election on interface
priority	Priority value

Command Mode

- /exec/configure/if-igp

ip pim evpn-border-leaf

[no] ip pim evpn-border-leaf

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
evpn-border-leaf	Configure this node as a border leaf

Command Mode

- /exec/configure

ip pim extranet

[no] ip pim extranet

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
extranet	Support for Extranet RPF lookup

Command Mode

- /exec/configure

ip pim flush-routes

[no] ip pim flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
flush-routes	Remove routes when restarting PIM

Command Mode

- /exec/configure /exec/configure/vrf

ip pim group-list

[no] ip pim { use-shared-tree-only | spt-threshold infinity } group-list { <route-map-name> | prefix-list <prefix-list-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
use-shared-tree-only	Use (*,G) only state, no source state is created
spt-threshold	Source-tree switching threshold
infinity	Never switch to source-tree
group-list	Specify group ranges through policy
route-map-name	Route-map name
prefix-list	Prefix List policy
prefix-list-name	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim hello-authentication ah-md5

{ ip pim hello-authentication ah-md5 <auth-key> | no ip pim hello-authentication ah-md5 [<auth-key>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
hello-authentication	Add AH header option to Hellos
ah-md5	Use MD5 HMAC
auth-key	MD5 authentication key

Command Mode

- /exec/configure/if-igp

ip pim hello-interval

{ { ip pim hello-interval <interval> } | { no ip pim hello-interval [<interval>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
hello-interval	Configures the Hello interval for interface
interval	Interval in milliseconds

Command Mode

- /exec/configure/if-igp

ip pim isolate

[no] ip pim isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
isolate	Isolate this router from PIM perspective

Command Mode

- /exec/configure

ip pim jp-policy

{ ip pim jp-policy { <route-map-name> | prefix-list <prefix-list-name> } [in | out] | no ip pim jp-policy { <route-map-name> | prefix-list <prefix-list-name> } [in | out] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
jp-policy	Specify policy for receiving Join-Prune messages
route-map-name	Route-map name
prefix-list	Prefix List policy for static RP
prefix-list-name	Name of prefix-list
in	(Optional) Inbound
out	(Optional) Outbound

Command Mode

- /exec/configure/if-igp

ip pim log-neighbor-changes

[no] ip pim log-neighbor-changes

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
log-neighbor-changes	Log up/down PIM neighbor transitions

Command Mode

- /exec/configure /exec/configure/vrf

ip pim mtu

[no] ip pim mtu <size>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
mtu	MTU for IP PIM packet
size	MTU

Command Mode

- /exec/configure

ip pim neighbor-policy prefix-list

{ { ip pim neighbor-policy { <route-map-name> | prefix-list <prefix-list-name> } } | { no ip pim neighbor-policy [<route-map-name> | prefix-list <prefix-list-name>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
neighbor-policy	Configures a neighbor policy for filtering adjacencies
route-map-name	Route-map name
prefix-list	Prefix List policy for neighbor
prefix-list-name	Name of prefix-list

Command Mode

- /exec/configure/if-igp

ip pim passive

{ ip pim passive | no ip pim passive }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
passive	Interface in passive mode. No send/recv

Command Mode

- /exec/configure/if-igp

ip pim pre-build-spt

{ { { ip pim pre-build-spt [force] } [route-map <route-map-name> | prefix-list <prefix-list-name>] } | { no ip pim pre-build-spt } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
pre-build-spt	Pre construct PIM trees for all known (S,G)s
force	(Optional) Enable pre-build-spt irrespective of (*,G) state
route-map	(Optional) Route Map policy for pre-build-spt
route-map-name	(Optional) Route-map name
prefix-list	(Optional) Prefix List policy for pre-build-spt
prefix-list-name	(Optional) Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-policy

{ ip pim register-policy { <route-map-name> | prefix-list <prefix-list-name> } | no ip pim register-policy [<route-map-name> | prefix-list <prefix-list-name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-policy	Specify policy for receiving Register messages
route-map-name	Route-map name
prefix-list	Prefix List policy for Registers
prefix-list-name	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-rate-limit

{ { ip pim register-rate-limit <rate> } | { no ip pim register-rate-limit [<rate>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-rate-limit	Rate limit for PIM data registers
rate	Packets per second

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-source

{ { ip pim register-source { <src-interface> } } | { no ip pim register-source [<src-interface>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-source	Configure source address for Register messages
src-interface	Use IP address of this interface for Register messages

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-until-stop

[no] ip pim register-until-stop

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-until-stop	Send Data Registers till Register Stop is received

Command Mode

- /exec/configure

ip pim rp-address

{ { ip pim rp-address <rp-address> [group-list <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name>] [bidir] [override] } | { no ip pim rp-address <rp-address> [group-list <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name>] [bidir] [override] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
rp-address	Configure static RP for group range
rp-address	IP address of router which is RP for group range
group-list	(Optional) Group range for static RP
prefix	(Optional) Group range prefix
route-map	(Optional) Route Map policy for static RP
route-map-name	(Optional) Route-map name
prefix-list	(Optional) Prefix List policy for static RP
prefix-list-name	(Optional) Name of prefix-list
bidir	(Optional) Group range is treated in PIM bidirectional mode
override	(Optional) RP address will override the dynamically learnt RPs

Command Mode

- /exec/configure /exec/configure/vrf

ip pim rp-candidate group-list route-map prefix-list

{ { ip pim [bsr] rp-candidate <interface> { group-list <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name> } [priority <priority>] [interval <interval>] [bidir] } | { no ip pim [bsr] rp-candidate [<interface>] [group-list <prefix>] [route-map <route-map-name>] [prefix-list <prefix-list-name>] [priority <priority>] [interval <interval>] [bidir] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	(Optional) Bootstrap protocol RP-distribution configuration
rp-candidate	Configure router as a Rendezvous Point (RP) candidate
interface	Use IP address of interface for Candidate-RP messages
group-list	Group range list
prefix	Prefix of group range
route-map	Group range policy for Candidate RP
route-map-name	Route-map name
prefix-list	Prefix List policy for Candidate RP
prefix-list-name	Name of prefix-list
priority	(Optional) RP priority used in Candidate-RP messages
priority	(Optional) RP priority value
interval	(Optional) Bootstrap message transmission interval
interval	(Optional) Interval in seconds
bidir	(Optional) Group range advertised in PIM bidirectional mode

Command Mode

- /exec/configure /exec/configure/vrf

ip pim sg-expiry-timer infinity

{ { ip pim [sparse] sg-expiry-timer { <expiry-time> | infinity } [sg-list <route-map-name> | prefix-list <prefix-list-name>] } | { no ip pim [sparse] sg-expiry-timer { <expiry-time> | infinity } [sg-list <route-map-name> | prefix-list <prefix-list-name>] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
sparse	(Optional) PIM ASM
sg-expiry-timer	Adjust expiry time for PIM ASM (S,G) routes
expiry-time	Expiry timer interval in seconds
infinity	Never expire (S,G) route due to data inactivity
sg-list	(Optional) Specifies route-map for (S,G)s to apply the expiry timer
route-map-name	(Optional) Route-map name
prefix-list	(Optional) Specifies prefix-list for (S,G)s to apply the expiry timer
prefix-list-name	(Optional) Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim sparse-mode

ip pim sparse-mode | no ip pim [sparse-mode]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
sparse-mode	Configures sparse-mode PIM on interface

Command Mode

- /exec/configure/if-igp

ip pim spt-switch-graceful

[no] ip pim spt-switch-graceful

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
spt-switch-graceful	Graceful switch-over to SPT

Command Mode

- /exec/configure /exec/configure/vrf

ip pim ssm

{ ip pim ssm { { range { <group> + | none } } | { route-map <route-map-name> } | { prefix-list <prefix-list-name> } } | no ip pim ssm { { range { <group> + | none } } | { route-map <route-map-name> } | { prefix-list <prefix-list-name> } } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
ssm	Source Specific Multicast (SSM) groups
range	Configure explicit group ranges
group	List of group range prefixes
route-map	Group range route-map policy for SSM range
route-map-name	Route-map name
prefix-list	Group range prefix-list policy for SSM range
prefix-list-name	Name of prefix-list
none	Remove all SSM group ranges

Command Mode

- /exec/configure /exec/configure/vrf

ip pim state-limit

{ { ip pim state-limit <max-states> [reserved <route-map-name> <max-reserved>] } | { no ip pim state-limit [<max-states> [reserved <route-map-name> <max-reserved>]] } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
state-limit	Configures State limit
max-states	Maximum (*,G)/(S,G) entries allowed in this VRF
reserved	(Optional) Configures Reserved limit
route-map-name	(Optional) Route-map name
max-reserved	(Optional) Maximum reserved (*,G)/(S,G) entries allowed in this VRF

Command Mode

- /exec/configure /exec/configure/vrf

ip pim strict-rfc-compliant

{ { ip pim strict-rfc-compliant } | { no ip pim strict-rfc-compliant } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
strict-rfc-compliant	Dont process joins from unknown neighbors on this interface

Command Mode

- /exec/configure/if-igp

ip pim strict-rfc-compliant

{ { ip pim strict-rfc-compliant } | { no ip pim strict-rfc-compliant } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
strict-rfc-compliant	Don't process joins from unknown neighbors

Command Mode

- /exec/configure /exec/configure/vrf

ip ping source-interface

[no] ip ping source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ping	Configure ping client
source-interface	Configure source interface feature for ping client
ifnum	Source interface
vrf	(Optional) Configure VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure

ip policy route-map

ip policy route-map <route-map-name> | no ip policy route-map [<route-map-name> | <route-map-name>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
policy	Configure PBR feature
route-map	Route-map for PBR
route-map-name	Route-map name
route-map-name	(Optional) Route-map name
route-map-name	(Optional) Known route-map name

Command Mode

- /exec/configure/if-igp

ip port-unreachable

[no] ip port-unreachable

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
port-unreachable	Enable sending ICMP port-unreachable

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ip port access-group

[no] ip port access-group <name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
port	Port policy
access-group	Specify access control for packets
name	List name
inout	Traffic direction

Command Mode

- /exec/configure/system/acl

ip port access-group

[no] ip port access-group <name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
port	Port policy
access-group	Specify access control for packets
name	List name
inout	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l2

ip pps threshold unicast-forward

ip pps threshold unicast-forward <size> [<logInterval>] | no ip pps threshold unicast-forward

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pps	Packets per second configuration
threshold	Threshold value for PPS
unicast-forward	Counter for unicast forward packets
size	PPS threshold value (1-30000)
logInterval	(Optional) Syslog interval in seconds (default=1)

Command Mode

- /exec/configure

ip prefix-list description

{ ip prefix-list <ipv4-pfl-name> description <line> } | { no ip prefix-list <ipv4-pfl-name> description }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
prefix-list	Build a prefix list
ipv4-pfl-name	Name of prefix-list
ipv4-pfl-name	Known prefix-list name
description	Description of the IP prefix list
line	IP prefix-list description string

Command Mode

- /exec/configure

ip prefix-list permit

{ ip prefix-list <ipv4-pfl-name> [seq <seq>] { permit | deny } <prefix> { [eq <equal>] | [ge <greater>] [le <lesser>] } [mask <mask>] } | { no ip prefix-list { <ipv4-pfl-name> | <ipv4-pfl-name> } [seq <seq>] [{ permit | deny } <prefix> { [eq <equal>] | [ge <greater>] [le <lesser>] } [mask <mask>]] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
prefix-list	Build a prefix list
ipv4-pfl-name	Name of prefix-list
ipv4-pfl-name	Name of prefix-list
ipv4-pfl-name	Known prefix-list name
seq	(Optional) Sequence number of an entry
seq	(Optional) Sequence number
permit	Specify routes to forward
deny	Specify routes to reject
prefix	IP prefix network/length, e.g., 35.0.0.0/8
eq	(Optional) Exact prefix length to be matched
equal	(Optional) Exact prefix length
ge	(Optional) Minimum prefix length to be matched
greater	(Optional) Minimum prefix length
le	(Optional) Maximum prefix length to be matched
lesser	(Optional) Maximum prefix length
mask	(Optional) Explicit match mask
mask	(Optional) Mask to use with the prefix

Command Mode

- /exec/configure

ip proxy-arp

{ ip proxy-arp | no ip proxy-arp }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
proxy-arp	Configure proxy ARP

Command Mode

- /exec/configure/if-igp /exec/configure/if-vlan-common

ip radius source-interface

[no] ip radius source-interface | ip radius source-interface <interface>

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
radius	Radius server
source-interface	Source interface to be used to reach radius server
interface	Interface Description

Command Mode

- /exec/configure

ip redirects

ip redirects | no ip redirects

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
redirects	Send ICMP Redirect messages

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ip rip authentication key-chain

{ ip rip authentication key-chain <keychain> | no ip rip authentication key-chain [<keychain>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
rip	RIP configuration commands
authentication	Authentication control
key-chain	Set authentication key-chain
keychain	Name of key-chain

Command Mode

- /exec/configure/if-igp

ip rip authentication mode text

{ ip rip authentication mode { text | md5 } | no ip rip authentication mode [{ text | md5 }] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
rip	RIP configuration commands
authentication	RIP authentication control
mode	Set authentication mode
text	Clear text authentication
md5	Keyed message digest

Command Mode

- /exec/configure/if-igp

ip rip metric

{ ipv6 | ip } rip { metric-offset | offset-list } <metric> | no { ipv6 | ip } rip { metric-offset | offset-list } [<metric>]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
ip	Configure IP features
rip	RIP configuration commands
metric-offset	RIP metric for interface
offset-list	RIP metric for interface
metric	RIP metric value

Command Mode

- /exec/configure/if-igp

ip rip passive-interface

[no] { ipv6 | ip } rip passive-interface

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
ip	Configure IP features
rip	RIP configuration commands
passive-interface	RIP passive interface

Command Mode

- /exec/configure/if-igp

ip rip poison-reverse

[no] { ipv6 | ip } rip poison-reverse

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
ip	Configure IP features
rip	RIP configuration commands
poison-reverse	RIP poison reverse (default split-horizon)

Command Mode

- /exec/configure/if-igp

ip rip route-filter route in

[no] { ipv6 | ip } rip route-filter { route-map <map> | prefix-list <list> } { in | out }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
ip	Configure IP features
rip	RIP configuration commands
route-filter	RIP route filtering
route-map	route-map policy to constrain route filtering
prefix-list	prefix-list policy to constrain route filtering
map	Route-map name
list	prefix-list name
in	inbound
out	outbound

Command Mode

- /exec/configure/if-igp

ip rip summary-address

[no] ip rip summary-address <ip-prefix> | no ipv6 rip summary-address <ipv6-prefix> | ipv6 rip summary-address <ipv6-prefix>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
rip	RIP configuration commands
summary-address	RIP summarization address
ip-prefix	Exact prefix

Command Mode

- /exec/configure/if-igp

ip route

[no] ip route { <ip-addr> <ip-mask> | <ip-prefix> } { <interface> | { { <pin-interface> <next-hop> } | { <next-hop> | <nh-prefix> } | { <vlan-interface> } } [vrf { <vrf-name> | <vrf-known-name> }] } [track <object-num>] [name <rt-name>] [tag <tag-value> | <pref>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
route	Route information
ip-addr	IP prefix in format i.i.i.i
ip-mask	IP network mask in format m.m.m.m
ip-prefix	IP prefix and network mask length in format x.x.x.x/m
pin-interface	Pin interface
next-hop	IP next-hop address in format i.i.i.i
nh-prefix	IP next-hop prefix in format i.i.i.i/m
interface	Interface for interface static routes
vlan-interface	vlan interface
track	(Optional) Specify the Object to be Tracked
object-num	(Optional) Track Object Number
name	(Optional) Specify name of the next hop
rt-name	(Optional) Name of next hop
pref	(Optional) Route preference
tag	(Optional) Supply tag value with static route
tag-value	(Optional) 32-bit value for tag
vrf	(Optional) VRF for next-hop if different from this vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure /exec/configure/config-mgmt /exec/configure/vrf

ip route static bfd

[no] ip route static bfd <pin-interface> <next-hop>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
route	Route information
static	Static route based configuration
bfd	Enable bfd detection on static route
pin-interface	Interface on which bfd has to be enabled
next-hop	IP next-hop address in format i.i.i.i

Command Mode

- /exec/configure /exec/configure/config-mgmt /exec/configure/vrf

ip router eigrp

[no] { ip | ipv6 } router eigrp <eigrp-ptag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
router	Enable a routing process
eigrp	Configure an EIGRP routing process on interface
eigrp-ptag	Process tag

Command Mode

- /exec/configure/if-igp

ip router isis

[no] ip router isis <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
router	Enable a routing process
isis	Intermediate System to Intermediate System (IS-IS)
tag	Process tag

Command Mode

- /exec/configure/if-igp

ip router ospf area

[no] ip router ospf <tag> area { <area-id-ip> | <area-id-int> } [secondaries none]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
router	Enable a routing process
ospf	OSPF configuration commands
tag	Process tag
area	Area associated with interface
area-id-ip	OSPF area ID in IP address format
area-id-int	OSPF area ID as a decimal format
secondaries	(Optional) Do not include secondary IP addresses
none	(Optional) Do not include secondary IP addresses

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip router ospf multi-area

[no] ip router ospf [<tag>] multi-area <area-id-ip>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
router	Enable a routing process
ospf	OSPF configuration commands
tag	(Optional) Process tag
multi-area	Multi area associated with interface
area-id-ip	Area Id as an integer or ip address

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip router rip

[no] { ipv6 | ip } router rip <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
router	Enable a routing process
rip	Routing Information Protocol (RIP)
tag	Process tag

Command Mode

- /exec/configure/if-igp

ip routing multicast holddown

[no] { ip | ipv4 } routing multicast holddown [<route-holddown-sec> | [disable-init-phase]]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv4	Configure IP features
routing	Configure routing information
multicast	Configure multicast
holddown	Initial holddown period
route-holddown-sec	(Optional) Delay in seconds [70..3600], 0 to disable holddown
disable-init-phase	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ip routing multicast mfdm-buffer-route-count

{ ip | ipv4 } routing multicast mfdm-buffer-route-count { <size> } | no { ip | ipv4 } routing multicast mfdm-buffer-route-count [<size>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv4	Configure IP features
routing	Configure routing information
multicast	Configure multicast
mfdm-buffer-route-count	mfdm buffer route size
size	size in numbers

Command Mode

- /exec/configure

ip routing multicast software-replicate

[no] ip routing multicast software-replicate [fabric]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
routing	Configure routing information
multicast	Configure multicast
software-replicate	Enable software replication of PIM ASM leak packets
fabric	(Optional) Enable software replication to fabric

Command Mode

- /exec/configure

ip secondary

ip { <ipaddress> | <ipprefix> } secondary | no ip { <ipaddress> | <ipprefix> } secondary

Syntax Description

no	Negate a command or set its defaults
ip	Enable HSRP IPv4 and set the virtual IP address
ipaddress	Virtual IP address
ipprefix	Virtual IP address and mask length
secondary	Make this IP address a secondary virtual IP address

Command Mode

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

ip service-reflect destination to mask-len source

[no] ip service-reflect destination <in-grp> to <out-grp> mask-len <g-mlen> source <in-out-src> [to <out-src> mask-len <s-mlen>] [to-udp <udp-to-src-port> <udp-to-dest-port>] [to-udp-src-port <udp-to-src-port>] [to-udp-dest-port <udp-to-dest-port>] [static-oif <out-if>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
service-reflect	Service reflect config command
destination	Translation information
in-grp	Incoming Group Address
to	
out-grp	Outgoing Group/Destination Address
mask-len	
g-mlen	Group Mask Length
source	
in-out-src	Source Address
to	(Optional)
out-src	(Optional) Outgoing Source Address
mask-len	(Optional)
s-mlen	(Optional) Source Mask Length
to-udp	(Optional)
to-udp-src-port	(Optional) to udp source port
to-udp-dest-port	(Optional) to udp destination port
udp-to-src-port	(Optional) UDP Src Port
udp-to-dest-port	(Optional) UDP Dest Port
static-oif	(Optional) static oif
out-if	(Optional) out interface

Command Mode

- /exec/configure /exec/configure/vrf

ip service-reflect mode ingress

[no] ip service-reflect mode { ingress | egress } <prefix>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
service-reflect	Service Reflect config command
mode	Select NAT rewrite mode
ingress	Ingress NAT
egress	Egress NAT
prefix	List of group range prefixes

Command Mode

- /exec/configure /exec/configure/vrf

ip service-reflect mode regular

[no] ip service-reflect mode { regular | fast-pass [no-rewrite] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
service-reflect	Service Reflect config command
mode	Select one-pass or three-pass mode
regular	Regular mode
fast-pass	Fast Pass Mode
no-rewrite	(Optional) No Mac Rewrite

Command Mode

- /exec/configure

ip service-reflect source-interface

{ ip service-reflect source-interface <interface> } | { no ip service-reflect source-interface [<interface>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
service-reflect	Service Reflect config command
source-interface	Source Interface
interface	Loopback interface

Command Mode

- /exec/configure /exec/configure/vrf

ip sla

[no] ip sla <index>

Syntax Description

no	
ip	
sla	Service Level Agreement (SLA)
index	Entry Number

Command Mode

- /exec/configure

ip sla

ip sla <index>

Syntax Description

ip	
sla	Service Level Agreement (SLA)
index	Entry Number

Command Mode

- /exec/configure

ip sla group schedule

{ no ip sla group schedule <group-id> | ip sla group schedule <group-id> { <operation-ids> schedule-period <schedule-period-seconds> { [ageout <ageout-seconds>] [frequency { <frequency-seconds> | range <random-frequency-range> }] [life { forever | <life-seconds> }] [start-time { <hhmm> [{ January | February | March | April | May | June | July | August | September | October | November | December } <day> | <day> [January | February | March | April | May | June | July | August | September | October | November | December]] | pending | now | after <hhmm> }] } + } }

Syntax Description

operation-ids	schedule-period
frequency	(Optional) <frequency-seconds>
start-time	(Optional) <hhmm>
October	(Optional) November
life	(Optional) forever
no	
ip	
sla	Service Level Agreement (SLA)
group	Group Configuration or Group Scheduling
schedule	Group scheduling
group-id	Group schedule entry number
schedule-period	Group schedule period range
schedule-period-seconds	seconds
range	(Optional) Group operation frequency-range for random scheduling
frequency-seconds	(Optional) Specify frequency in seconds
random-frequency-range	(Optional) Specify frequency range in seconds
ageout	(Optional) How long to keep this Entry when inactive
ageout-seconds	(Optional) Ageout Seconds
life-seconds	(Optional) Life seconds (default 3600)
forever	(Optional) continue running forever
after	(Optional) Start after a certain amount of time from now
hhmm	(Optional) Start time (hh:mm:ss)

January	(Optional) Month of year
February	(Optional) Month of year
March	(Optional) Month of year
April	(Optional) Month of year
May	(Optional) Month of year
June	(Optional) Month of year
July	(Optional) Month of year
August	(Optional) Month of year
September	(Optional) Month of year
October	(Optional) Month of year
November	(Optional) Month of year
December	(Optional) Month of year
day	(Optional) Day of month
now	(Optional) Start now
pending	(Optional) Start pending

Command Mode

- /exec/configure

ip sla group schedule add

ip sla group schedule <add-group-id> add <operation-ids>

Syntax Description

ip	
sla	Service Level Agreement (SLA)
group	Group Configuration or Group Scheduling
schedule	Group scheduling
add-group-id	Group schedule entry number
add	Add probes to existing group
operation-ids	Multiple probe ID's to be group scheduled

Command Mode

- /exec/configure

ip sla group schedule delete

ip sla group schedule <del-group-id> delete <operation-ids>

Syntax Description

ip	
sla	Service Level Agreement (SLA)
group	Group Configuration or Group Scheduling
schedule	Group scheduling
del-group-id	Group schedule entry number
delete	Delete probes from existing group
operation-ids	Multiple probe ID's to be group scheduled

Command Mode

- /exec/configure

ip sla group schedule reschedule

ip sla group schedule <reschedule-group-id> reschedule

Syntax Description

reschedule	
ip	
sla	Service Level Agreement (SLA)
group	Group Configuration or Group Scheduling
schedule	Group scheduling
reschedule-group-id	Group schedule entry number

Command Mode

- /exec/configure

ip sla logging traps

[no] ip sla logging traps

Syntax Description

no	(Optional)
ip	
sla	Service Level Agreement (SLA)
logging	Enable Syslog
traps	Enable syslog traps

Command Mode

- /exec/configure

ip sla reaction-configuration react

[no] ip sla reaction-configuration <react-cfg-entry-num> react <monitored-element> | ip sla reaction-configuration <react-cfg-entry-num> react <monitored-element> { [action-type <action>] [threshold-value <rising-value> <falling-value>] [threshold-type { <neverImmed> | <consecutive> [<consecutive-occurances>] | <xOfy> [<x-value> <y-value>] | <average> [<n-attempts>] }] } +

Syntax Description

action-type	(Optional) <action>
threshold-type	(Optional) <neverImmed>
no	
ip	
sla	Service Level Agreement (SLA)
reaction-configuration	IP SLAs Reaction-Configuration
react-cfg-entry-num	Entry Number
react	Reaction variable to be configured
monitored-element	monitored element
action	(Optional)
threshold-value	(Optional) Threshold Value
rising-value	(Optional) Upper limit for Threshold
falling-value	(Optional) Lower limit for Threshold
neverImmed	(Optional)
consecutive	(Optional)
xOfy	(Optional)
average	(Optional)
consecutive-occurances	(Optional) Number of occurences
x-value	(Optional) X value
y-value	(Optional) Y value
n-attempts	(Optional) N Value

Command Mode

- /exec/configure

ip sla reaction-trigger

[no] ip sla reaction-trigger <entry-num> <target-entry>

Syntax Description

no	(Optional)
ip	
sla	Service Level Agreement (SLA)
reaction-trigger	IP SLAs Trigger Assignment
entry-num	Entry Number
target-entry	Target entry Number

Command Mode

- /exec/configure

ip sla reset

ip sla reset

Syntax Description

ip	
sla	Service Level Agreement (SLA)
reset	IP SLAs Reset

Command Mode

- /exec/configure

ip sla responder

[no] ip sla responder [{ tcp-connect [ipaddress <tcp-ip>] port <tcp-port> } | { udp-echo [ipaddress <udp-ip>] port <udp-port> }]

Syntax Description

tcp-connect	(Optional) ipaddress
no	(Optional)
ip	
sla	
responder	Enable IP SLAs Responder
ipaddress	(Optional) Permanent address
tcp-ip	(Optional) IP Address or IP HostName
port	(Optional) Permanent port
tcp-port	(Optional) Port Number
udp-echo	(Optional) Setup udp-echo responder
udp-ip	(Optional) IP Address or IP HostName
udp-port	(Optional) Port Number

Command Mode

- /exec/configure

ip sla responder twamp

[no] ip sla responder twamp

Syntax Description

no	(Optional)
ip	
sla	
responder	Enable IP SLAs Responder
twamp	Setup TWAMP responder

Command Mode

- /exec/configure

ip sla restart

ip sla restart <index>

Syntax Description

ip	
sla	Service Level Agreement (SLA)
restart	Restart An Active Entry
index	Entry Number

Command Mode

- /exec/configure

ip sla schedule

{ no ip sla schedule <index> | ip sla schedule <index> { [life { <life-seconds> | forever }] [start-time { <hhmm> [{ January | February | March | April | May | June | July | August | September | October | November | December } <day> | <day> [January | February | March | April | May | June | July | August | September | October | November | December]] | pending | now | { after <hhmm> } }] [ageout <ageout-seconds>] [recurring] } + }

Syntax Description

life	(Optional) <life-seconds>
start-time	(Optional) <hhmm>
after	(Optional) <hhmm>
no	
ip	
sla	Service Level Agreement (SLA)
schedule	Entry Scheduling
index	Entry Number
life-seconds	(Optional) Life seconds (default 3600)
forever	(Optional) continue running forever
hhmm	(Optional) Start time (hh:mm:ss)
January	(Optional) Month of year
February	(Optional) Month of year
March	(Optional) Month of year
April	(Optional) Month of year
May	(Optional) Month of year
June	(Optional) Month of year
July	(Optional) Month of year
August	(Optional) Month of year
September	(Optional) Month of year
October	(Optional) Month of year
November	(Optional) Month of year
December	(Optional) Month of year

day	(Optional) Day of month
now	(Optional) Start now
pending	(Optional) Start pending
ageout	(Optional) How long to keep this Entry when inactive
ageout-seconds	(Optional) Ageout Seconds
recurring	(Optional) Probe to be scheduled automatically every day

Command Mode

- /exec/configure

ip sla server twamp

[no] ip sla server twamp

Syntax Description

no	(Optional)
ip	
sla	
server	IPSLA IPPM server configuration
twamp	IPSLA IPPM TWAMP server configuration

Command Mode

- /exec/configure

ip source-route

[no] ip source-route

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
source-route	IP source routing option

Command Mode

- /exec/configure

ip source binding vlan interface

[no] ip source binding <ipaddr1> <macaddr> vlan <vlanid> interface <interface1>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
source	IP source
binding	Static binding
ipaddr1	IP address
macaddr	MAC address
vlan	VLAN
vlanid	VLAN id
interface	interface
interface1	interface

Command Mode

- /exec/configure

ip split-horizon eigrp

[no] { ip | ipv6 } split-horizon eigrp <eigrp-ptag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
split-horizon	Configures IP-EIGRP split-horizon on interface
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag

Command Mode

- /exec/configure/if-igp

ip ssh source-interface

[no] ip ssh source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ssh	Configure ssh
source-interface	Configure source interface feature for domain-lookup
ifnum	Source interface
vrf	(Optional) Configure VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure

ip summary-address eigrp ipv6 summary-address eigrp

{ [no] ip summary-address eigrp <eigrp-ptag> { { <address> <mask> } | { <prefix> } } [<distance>] [leak-map <leak-map>] | [no] ipv6 summary-address eigrp <eigrp-ptag> <ipv6-prefix> [<distance>] [leak-map <leak-map>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
summary-address	Configures IP-EIGRP summary address on interface
eigrp	EIGRP interface configuration commands
eigrp-ptag	Process tag
address	IP address
mask	IP network mask
prefix	IP prefix in slash format
distance	(Optional) Administrative distance
leak-map	(Optional) Allow dynamic prefixes based on the leak-map
leak-map	(Optional) leak-map name
eigrp-ptag	

Command Mode

- /exec/configure/if-igp

ip tacacs source-interface

[no] ip tacacs source-interface | ip tacacs source-interface <interface>

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
tacacs	Tacacs server
source-interface	Source interface to be used to reach tacacs server
interface	Interface Description

Command Mode

- /exec/configure

ip tcp mss

{ { no ip tcp mss } | { ip tcp mss <bytes> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
tcp	Global TCP parameters
mss	Maximum segment size for TCP connections in bytes
bytes	Maximum segment size

Command Mode

- /exec/configure /exec/configure/config-mgmt

ip tcp path-mtu-discovery

{ { ip tcp path-mtu-discovery } | { no ip tcp path-mtu-discovery } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
tcp	Global TCP parameters
path-mtu-discovery	Enable path-MTU discovery on TCP

Command Mode

- /exec/configure /exec/configure/config-mgmt

ip tcp synwait-time

{ { no ip tcp synwait-time } | { ip tcp synwait-time <time> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
tcp	Global TCP parameters
synwait-time	Set time to wait on new TCP connections
time	Wait time

Command Mode

- /exec/configure /exec/configure/config-mgmt

ip telnet source-interface

[no] ip telnet source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
telnet	Configure telnet
source-interface	Configure source interface feature for domain-lookup
ifnum	Source interface
vrf	(Optional) Configure VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure

ip tftp source-interface

[no] ip tftp source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
tftp	Configure TFTP client
source-interface	Configure source interface feature for TFTP client
ifnum	Source interface
vrf	(Optional) Configure VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure

ip traceroute source-interface

[no] ip traceroute source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
traceroute	Configure traceroute client
source-interface	Configure source interface feature for traceroute
ifnum	Source interface
vrf	(Optional) Configure VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec/configure

ip ttl

[no] ip ttl <ttl_value>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Set ERSPAN IP options
ttl	Set the IP time-to-live value
ttl_value	

Command Mode

- /exec/configure/config-monitor-erspan-src

ip udp relay addrgroup

[no] ip udp relay addrgroup <obj-grp-name>

Syntax Description

ip	Configure IP features
no	(Optional) Negate a command or set its defaults
udp	Enable/disable UDP forwarding
relay	UDP relay agent parameters
addrgroup	UDP Relay IP Address group
obj-grp-name	Object grp Name

Command Mode

- /exec/configure/if-igp

ip udp relay subnet-broadcast

[no] ip udp relay subnet-broadcast

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
udp	Enable/disable UDP forwarding
relay	UDP relay agent parameters
subnet-broadcast	Enable/disable UDP forwarding for subnet-broadcast

Command Mode

- /exec/configure/if-igp

ip unnumbered

ip unnumbered <interface> | no ip unnumbered [<interface>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
unnumbered	Configure interface as unnumbered
interface	Interface with IP address

Command Mode

- /exec/configure/ppm-ethernet-switch /exec/configure/if-p2p /exec/configure/if-gre-tunnel /exec/configure/if-any-tunnel /exec/configure/if-port-channel-sub /exec/configure/if-vlan

ip unreachables

[no] ip unreachables

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
unreachables	Enable sending ICMP unreachables (other than port-unreachable)

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ip verify source dhcp-snooping-vlan

[no] ip verify source dhcp-snooping-vlan

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
verify	Configure Unicast Reverse Path Forwarding or IP Source Guard
source	IP Source Guard related commands
dhcp-snooping-vlan	Vlans on which snooping is enabled

Command Mode

- /exec/configure/if-switching

ip verify unicast source reachable-via rx

[no] ip verify unicast source reachable-via [{ rx [allow vni-hosts] | any [allow-default] } [policy { <policy-name> | <acl_pol_name> }]] | ip verify unicast source reachable-via { rx [allow vni-hosts] | any [allow-default] } [policy { <policy-name> | <acl_pol_name> }]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
verify	Configure Unicast Reverse Path Forwarding or IP Source Guard
unicast	Unicast Reverse Path Forwarding
source	Validation of source address
reachable-via	Specify reachability check to apply to the source address
rx	(Optional) Source is reachable via interface on which packet was received
allow	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vni-hosts	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
any	(Optional) Source is reachable via any interface
allow-default	(Optional) Loose Default Route Unicast Reverse Path Forwarding
policy	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
policy-name	(Optional) An uRPF fail policy name
acl_pol_name	(Optional) An existing access-rules policy

Command Mode

- /exec/configure/if-igp

ipv4

[no] ipv4 <aclname>

Syntax Description

ipv4	Specify the ipv4 acl name
aclname	ACL name to be applied

Command Mode

- /exec/configure/nfm-filter

ipv6

[no] ipv6 <aclname>

Syntax Description

ipv6	Specify the ipv6 acl name
aclname	ACL name to be applied

Command Mode

- /exec/configure/nfm-filter

ipv6 access-class

[no] ipv6 access-class <name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
access-class	Specify IPv6 access control for packets
name	List name
inout	Traffic direction

Command Mode

- /exec/configure/line

ipv6 access-list

[no] ipv6 access-list <name> [client <clienttype> <clientID>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
access-list	Configure access list
name	List name
client	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
clienttype	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
clientID	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ipv6 access-list match-local-traffic

[no] ipv6 access-list match-local-traffic | ipv6 access-list match-local-traffic

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
access-list	Configure access list
match-local-traffic	Enable access-list matching for locally generated traffic

Command Mode

- /exec/configure

ipv6 address

[no] ipv6 address [{ autoconfig [default] | [<ipv6-prefix> [eui64] [route-preference <pref>] [tag <tag>] [anycast]] }] | ipv6 address { autoconfig [default] | [<ipv6-prefix> [eui64] [route-preference <pref>] [tag <tag>] [anycast] [aggregate-prefix-length <prefix-length>]] }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
address	Configure IPv6 address on interface
autoconfig	(Optional) Configure IPv6 Stateless address autoconfig
default	(Optional) For SLAAC, adds default route and the nh would be fetched from RA source address
eui64	(Optional) Configure Extended Unique Identifier for the low-order 64 bits
anycast	(Optional) Configure IPv6 anycast address on interface
route-preference	(Optional) U6RIB route preference for local/direct routes
pref	(Optional) Local/direct route preference
tag	(Optional) U6RIB route tag value for local/direct routes
tag	(Optional) Local/direct tag value
aggregate-prefix-length	(Optional) Prefix-Length for AM Route Aggregation
prefix-length	(Optional) Aggregation Prefix-Length Value

Command Mode

- /exec/configure/if-igp /exec/configure/if-any-tunnel /exec/configure/if-vsan /exec/configure/if-mgmt-config

ipv6 address dhcp

[no] ipv6 address dhcp

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
address	Configure IPv6 address on interface
dhcp	Configure IPv6 address from a dhcp server

Command Mode

- /exec/configure/if-vlan /exec/configure/if-ethernet /exec/configure/if-mgmt-config /exec/configure/if-ethernet-all /exec/configure/if-sub

ipv6 address use-link-local-only

[no] ipv6 address use-link-local-only | ipv6 address use-link-local-only

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
address	Configure IPv6 address on interface
use-link-local-only	Enable IPv6 on interface using only a single link-local address

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-gre-tunnel /exec/configure/if-6to4-tunnel /exec/configure/if-vsan

ipv6 adjacency-stale-timer

{ { ipv6 [icmp] adjacency-stale-timer <stale-time> } | { no ipv6 [icmp] adjacency-stale-timer [<stale-time>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) Configure icmp parameters
adjacency-stale-timer	When probing for an adjacency begins
stale-time	Seconds after adjacency uptime

Command Mode

- /exec/configure

ipv6 adjacency route distance

{ ipv6 adjacency route distance <pref> } | { no ipv6 adjacency route distance }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
adjacency	Configure Adjmgr
route	route
distance	admin-distance
pref	preference

Command Mode

- /exec/configure

ipv6 amt gateway

[no] ipv6 amt gateway

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
amt	AMT global configuration commands
gateway	Configures IPv6 AMT gateway functionality

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 amt relay

[no] ipv6 amt relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
amt	AMT global configuration commands
relay	Configures IPv6 AMT relay functionality

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 destination

{ ipv6 { destination | source } <addr> } | { no ipv6 { destination | source } }

Syntax Description

no	Negate a command or set its defaults
ipv6	specify flow ipv6 address
source	specify flow source ipv6 address
destination	specify flow destination ipv6 address

Command Mode

- /exec/configure/configngoamprofileflow

ipv6 dhcp guard

[no] ipv6 dhcp guard [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
policy_name	(Optional) policy name for feature DHCP Guard

Command Mode

- /exec/configure/vlan-config

ipv6 dhcp guard

[no] ipv6 dhcp guard [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
policy_name	(Optional) policy name for feature DHCP Guard

Command Mode

- /exec/configure/if-switching

ipv6 dhcp guard policy

[no] ipv6 dhcp guard policy <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
policy_name	Name of the dhcp guard policy

Command Mode

- /exec/configure

ipv6 dhcp relay

[no] ipv6 dhcp relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent

Command Mode

- /exec/configure

ipv6 dhcp relay address

[no] ipv6 dhcp relay address [<ip-addr-val> [use-vrf <vrf-name>] [interface <interface-name>]] | no ipv6 dhcp relay address [<ip-addr-val> [interface <interface-name>] [use-vrf <vrf-name>]]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent
address	Configure DHCPv6 server relay address
use-vrf	(Optional) server address VRF membership
vrf-name	(Optional) VRF name
interface	(Optional) Destination interface for the relay address
interface-name	(Optional) Destination interface

Command Mode

- /exec/configure/if-igp

ipv6 dhcp relay address ipv6 dhcp relay address

ipv6 dhcp relay address <ip-addr-val> [use-vrf <vrf-name>] [interface <interface-name>] | ipv6 dhcp relay address <ip-addr-val> [interface <interface-name>] [use-vrf <vrf-name>]

Syntax Description

ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent
address	Configure DHCPv6 server relay address
use-vrf	(Optional) server address VRF membership
vrf-name	(Optional) VRF name
interface	(Optional) Destination interface for the relay address
interface-name	(Optional) Destination interface

Command Mode

- /exec/configure/if-igp /exec/configure/ppm-ethernet-switch /exec/configure/ppm-port-channel-switch

ipv6 dhcp relay option79

[no] ipv6 dhcp relay option79

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	DHCPv6 relay agent parameters
option79	Relay agent option79

Command Mode

- /exec/configure

ipv6 dhcp relay option type cisco

[no] ipv6 dhcp relay option type cisco

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	DHCPv6 relay agent parameters
option	Relay agent option
type	Relay agent option type
cisco	Use Cisco propritery options

Command Mode

- /exec/configure

ipv6 dhcp relay option vpn

[no] ipv6 dhcp relay option vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	DHCPv6 relay agent parameters
option	Insert DHCPv6 relay information in Relay forward
vpn	Enable DHCPv6 relay support across VRFs

Command Mode

- /exec/configure

ipv6 dhcp relay source-interface

[no] ipv6 dhcp relay source-interface

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent
source-interface	Configure source interface for DHCPv6 relay

Command Mode

- /exec/configure /exec/configure/if-igp

ipv6 dhcp relay source-interface

ipv6 dhcp relay source-interface <interface-name>

Syntax Description

ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent
source-interface	Configure source interface for DHCPv6 relay
interface-name	Source interface

Command Mode

- /exec/configure /exec/configure/if-igp

ipv6 dhcp smart-relay

[no] ipv6 dhcp smart-relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCP snooping or relay
smart-relay	Configure DHCP smart relay on interface

Command Mode

- /exec/configure/if-igp

ipv6 dhcp smart-relay global

[no] ipv6 dhcp smart-relay global

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCP snooping or relay
smart-relay	Configure DHCP smart relay
global	Configure DHCP smart relay globally

Command Mode

- /exec/configure

ipv6 flow monitor input

[no] ipv6 flow monitor <monitorname> input

Syntax Description

ipv6	Configure IPv6 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
monitorname	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/if-vlan-common

ipv6 flow monitor input

[no] ipv6 flow monitor <monitorname> input

Syntax Description

ipv6	Configure IPv6 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
monitorname	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/if-routing /exec/configure/if-switching /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

ipv6 flow monitor input

[no] ipv6 flow monitor <monitorname> input

Syntax Description

ipv6	Configure IPv6 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
monitorname	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/vlan-config

ipv6 flow rtp

[no] ipv6 flow rtp [<ipv6-acl>]

Syntax Description

ipv6	ipv6 configuration
flow	Enable/Disable NetFlow configuration
rtp	configure rtp flows for packet loss monitoring
ipv6-acl	(Optional) ipv6 ACL name

Command Mode

- /exec/configure

ipv6 forward

ipv6 forward | no ipv6 forward

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
forward	Enable ipv6 forwarding on interface

Command Mode

- /exec/configure/if-vlan /exec/configure/if-vlan-range

ipv6 host

[no] ipv6 host <s0> [<ipv6_0>] | ipv6 host <s0> <ipv6_0>

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
host	Add an entry to the ip hostname table
s0	Name of Host

Command Mode

- /exec/configure

ipv6 link-local

[no] ipv6 link-local [<ipv6-addr>] | ipv6 link-local <ipv6-addr>

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
link-local	Change format of link-local address

Command Mode

- /exec/configure/if-vlan /exec/configure/if-mgmt-config /exec/configure/if-gre-tunnel /exec/configure/if-6to4-tunnel /exec/configure/if-igp /exec/configure/if-vsan

ipv6 link-local use-bia

[no] ipv6 link-local use-bia | ipv6 link-local use-bia

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
link-local	Change format of link-local address
use-bia	Use burnt-in-address to generate link-local

Command Mode

- /exec/configure/if-igp

ipv6 local policy route-map

ipv6 local policy route-map <route-map-name> | no ipv6 local policy route-map [<route-map-name> | <route-map-name>]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
local	Configure local PBR feature
policy	Configure PBR feature
route-map	Route-map for PBR
route-map-name	Route-map name
route-map-name	(Optional) Route-map name
route-map-name	(Optional) Known route-map name

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 mld group-timeout

{ { no ipv6 [icmp] mld group-timeout [<time>] } | { ipv6 [icmp] mld group-timeout <time> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
group-timeout	Configures group membership timeout
time	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld immediate-leave

[no] ipv6 [icmp] mld immediate-leave

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
immediate-leave	Enable/Disable immediate leave

Command Mode

- /exec/configure/if-igp

ipv6 mld join-group

[no] ipv6 [icmp] mld join-group { { <group> [source <source>] } | { route-map <route-map-name> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
join-group	Configures local group membership for router
source	(Optional) Configures source address for MLDv2 (S,G) channel
route-map	Join group policy
route-map-name	Route-map name

Command Mode

- /exec/configure/if-igp

ipv6 mld last-member-query-count

{ { no ipv6 [icmp] mld last-member-query-count [<count>] } | { ipv6 [icmp] mld last-member-query-count <count> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
last-member-query-count	Configures number of group-specific Queries sent
count	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ipv6 mld last-member-query-response-time

{ { no ipv6 [icmp] mld last-member-query-response-time [<interval>] } | { ipv6 [icmp] mld last-member-query-response-time <interval> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
last-member-query-response-time	Configures last member query response time
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld querier

{ { no ipv6 [icmp] mld { querier-timeout | query-timeout } [<time>] } | { ipv6 [icmp] mld { querier-timeout | query-timeout } <time> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
query-timeout	Configures querier timeout for MLDv1
querier-timeout	Configures querier timeout for MLDv1
time	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld query-interval

{ { no ipv6 [icmp] mld query-interval [<interval>] } | { ipv6 [icmp] mld query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
query-interval	Configures interval between Query transmission
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld query-max-response-time

{ { no ipv6 [icmp] mld query-max-response-time [<time>] } | { ipv6 [icmp] mld query-max-response-time <time> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
query-max-response-time	Configures MRT for query messages
time	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld report-link-local-groups

[no] ipv6 [icmp] mld report-link-local-groups

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
report-link-local-groups	Send Reports for link-local groups

Command Mode

- /exec/configure/if-igp

ipv6 mld report

{ { ipv6 [icmp] mld { report-policy | access-group } <route-map-name> } | { no ipv6 [icmp] mld { report-policy | access-group } [<route-map-name>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
report-policy	MLD report policy
access-group	MLD access-group
route-map-name	Route-map name

Command Mode

- /exec/configure/if-igp

ipv6 mld robustness-variable

{ { no ipv6 [icmp] mld robustness-variable [<value>] } | { ipv6 [icmp] mld robustness-variable <value> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
robustness-variable	Configures RFC defined Robustness Variable
value	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ipv6 mld snooping

{ { no ipv6 mld snooping } | { ipv6 mld snooping } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping

{ { no ipv6 mld snooping } | { ipv6 mld snooping } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping

Command Mode

- /exec/configure

ipv6 mld snooping access-group

[no] ipv6 mld snooping access-group <route-map-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
access-group	Filter or report policy for specified groups
route-map-name	route-map name

Command Mode

- /exec/configure/vlan-config

ipv6 mld snooping disable-nve-static-router-port

[no] ipv6 mld snooping disable-nve-static-router-port

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
disable-nve-static-router-port	Disable NVE as a static router port

Command Mode

- /exec/configure

ipv6 mld snooping disable-nve-static-router-port

[no] ipv6 mld snooping disable-nve-static-router-port

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
disable-nve-static-router-port	Disable NVE as a static router port

Command Mode

- /exec/configure

ipv6 mld snooping explicit-tracking

{ { no ipv6 mld snooping explicit-tracking } | { ipv6 mld snooping explicit-tracking } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
explicit-tracking	Configures Explicit Host tracking for VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping fast-leave

{ { no ipv6 mld snooping fast-leave } | { ipv6 mld snooping fast-leave } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
fast-leave	Configures Fast leave for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping group-timeout

[no] ipv6 mld snooping group-timeout { <timeout> | never }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
group-timeout	Configures group membership timeout in VLAN/BD
timeout	Timeout in minutes
never	Never expire ports from group membership

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping group-timeout

[no] ipv6 mld snooping group-timeout { <timeout> | never }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
group-timeout	Configures group membership timeout in all VLAN/BDs
timeout	Timeout in minutes
never	Never expire ports from group membership

Command Mode

- /exec/configure

ipv6 mld snooping last-member-query-interval

{ { no ipv6 mld snooping last-member-query-interval [<interval>] } | { ipv6 mld snooping last-member-query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
last-member-query-interval	Configures interval between group-specific Query transmissions
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping link-local-groups-suppression

[no] ipv6 mld snooping link-local-groups-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
link-local-groups-suppression	Configures Global link-local groups suppression

Command Mode

- /exec/configure

ipv6 mld snooping link-local-groups-suppression

[no] ipv6 mld snooping link-local-groups-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
link-local-groups-suppression	Configures VLAN/BD link-local groups suppression

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping many-to-one-enhance

[no] ipv6 mld snooping many-to-one-enhance

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
many-to-one-enhance	Enable many to one optimization for n3500 platform

Command Mode

- /exec/configure

ipv6 mld snooping max-gq-miss

{ { no ipv6 mld snooping max-gq-miss } | { ipv6 mld snooping max-gq-miss <count> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
max-gq-miss	Configure general query miss count
count	Max number of GQ misses allowed

Command Mode

- /exec/configure

ipv6 mld snooping mrouter interface

{ [no] ipv6 mld snooping mrouter interface [vsi] <interface> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
mrouter	Configures static multicast router interface
interface	Specify interface for static-mrouter
vsi	(Optional) Specify if this interface is a VSI
interface	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping mrouter vpc-peer-link

[no] ipv6 mld snooping mrouter vpc-peer-link

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
mrouter	Configures static multicast router interface
vpc-peer-link	Specify vpc-peer-link as static mrouter for all VLAN/BDs

Command Mode

- /exec/configure

ipv6 mld snooping optimise-multicast-flood

[no] ipv6 mld snooping optimise-multicast-flood

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
optimise-multicast-flood	Configures Optimized Multicast Flood (OMF) on all VLAN/BDs

Command Mode

- /exec/configure

ipv6 mld snooping proxy-leave use-group-address

{ { ipv6 mld snooping proxy-leave use-group-address } | { no ipv6 mld snooping proxy-leave use-group-address } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
proxy-leave	Proxy Leave
use-group-address	Use group address for proxy leave

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping proxy general-queries

[no] ipv6 mld snooping proxy general-queries [mrt <mrt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
proxy	Configures MLD snooping proxy
general-queries	Configures proxy for general-queries
mrt	(Optional) Configure max-response-time for the switch's proxy general-queries
mrt	(Optional) MRT in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping proxy general-queries

[no] ipv6 mld snooping proxy general-queries [mrt <mrt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
proxy	Configures MLD snooping proxy
general-queries	Configures proxy for general-queries
mrt	(Optional) Configure max-response-time for the switch's proxy general-queries
mrt	(Optional) MRT in seconds

Command Mode

- /exec/configure

ipv6 mld snooping querier-timeout

{ { no ipv6 mld snooping querier-timeout [<time>] } | { ipv6 mld snooping querier-timeout <time> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
querier-timeout	Configures querier timeout for MLDv2
time	(Optional) Time in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping querier

{ { no ipv6 mld snooping querier [<querier>] } | { ipv6 mld snooping querier <querier> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
querier	Enables snooping querier

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping query-interval

{ { no ipv6 mld snooping query-interval [<interval>] } | { ipv6 mld snooping query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
query-interval	Configures interval between query transmission
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping query-max-response-time

{ { no ipv6 mld snooping query-max-response-time [<time>] } | { ipv6 mld snooping query-max-response-time <time> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
query-max-response-time	Configures MRT for query messages
time	(Optional) Time in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping report-flood all

{ { ipv6 mld snooping report-flood { all | interface <interface> } } | { no ipv6 mld snooping report-flood { all | interface <interface> } } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
report-flood	Configures Report flooding on a VLAN
interface	Specify interface for report flooding
all	Flood on ALL active ports of VLAN
interface	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping report-suppression

{ { no ipv6 mld snooping report-suppression } | { ipv6 mld snooping report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
report-suppression	Configures MLDv1 Report Suppression for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping report-suppression

{ { no ipv6 mld snooping report-suppression } | { ipv6 mld snooping report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
report-suppression	Configures Global MLDv1 Report Suppression

Command Mode

- /exec/configure

ipv6 mld snooping report prefix interface

{ [no] ipv6 mld snooping { report-policy | access-group } { prefix-list | route-map } <pname> interface <interface> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
report-policy	MLD report policy
access-group	Filter or report policy for specified groups
prefix-list	IPv6 Prefix-List report policy
route-map	Route-Map report policy
pname	Policy Name
interface	Specify interface for filtering
interface	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping robustness-variable

{ { no ipv6 mld snooping robustness-variable [<value>] } | { ipv6 mld snooping robustness-variable <value> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
robustness-variable	Configures RFC defined Robustness Variable
value	(Optional) Count value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping startup-query-count

{ { no ipv6 mld snooping startup-query-count [<count>] } | { ipv6 mld snooping startup-query-count <count> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
startup-query-count	Configures number of queries sent at startup
count	(Optional) Count value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping startup-query-interval

{ { no ipv6 mld snooping startup-query-interval [<interval>] } | { ipv6 mld snooping startup-query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
startup-query-interval	Configures query interval at startup
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping static-group interface

{ [no] ipv6 mld snooping static-group <group> [source <source>] interface [vsi] <interface> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
static-group	Configures static group membership
source	(Optional) Configures static (S,G) channel
interface	Specify interface for static-group
vsi	(Optional) Specify if this interface is a VSI
interface	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping syslog-threshold

{ ipv6 mld snooping syslog-threshold <percentage> } | { no ipv6 mld snooping syslog-threshold }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
syslog-threshold	MLD SNOOPING table syslog threshold
percentage	Percentage

Command Mode

- /exec/configure

ipv6 mld snooping v2-report-suppression

{ { no ipv6 mld snooping v2-report-suppression } | { ipv6 mld snooping v2-report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
v2-report-suppression	Configures MLDv2 Report Suppression and Proxy Reporting for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping v2-report-suppression

{ { no ipv6 mld snooping v2-report-suppression } | { ipv6 mld snooping v2-report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
v2-report-suppression	Configures Global MLDv2 Report Suppression and Proxy Reporting

Command Mode

- /exec/configure

ipv6 mld snooping version

{ { no ipv6 mld snooping version [<version>] } | { ipv6 mld snooping version <version> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
version	Configures MLD version number for VLAN/BD
version	(Optional) Version number value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping vxlan-umc drop

[no] ipv6 mld snooping vxlan-umc drop [vlan <vlans-range>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
vxlan-umc	Turn off flooding on VLANs
drop	Drop unknown multicast traffic on all VLANs
vlan	(Optional) VLAN list to drop the unknown multicast traffic
vlans-range	(Optional) VLAN IDs for which unknown multicast traffic is dropped

Command Mode

- /exec/configure

ipv6 mld snooping vxlan

{ { no ipv6 mld snooping vxlan } | { ipv6 mld snooping vxlan } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
vxlan	Configures Snooping for vxlan vlans

Command Mode

- /exec/configure

ipv6 mld ssm-translate

[no] ipv6 [icmp] mld ssm-translate <group> <source>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) Configure icmp parameters
mld	MLD global configuration commands
ssm-translate	Translate MLDv1 reports to (S,G) route entries

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 mld startup-query-count

{ { no ipv6 [icmp] mld startup-query-count [<count>] } | { ipv6 [icmp] mld startup-query-count <count> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
startup-query-count	Configures number of queries sent at startup
count	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ipv6 mld startup-query-interval

{ { no ipv6 [icmp] mld startup-query-interval [<interval>] } | { ipv6 [icmp] mld startup-query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
startup-query-interval	Configures query interval at startup
interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld state-limit

{ { ipv6 [icmp] mld state-limit <max-states> [reserved <route-map-name> <max-reserved>] } | { no ipv6 [icmp] mld state-limit [<max-states> [reserved <route-map-name> <max-reserved>]] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
state-limit	Configures State limit
max-states	Maximum states allowed
reserved	(Optional) Reserve the states using route-map
route-map-name	(Optional) Route-map name
max-reserved	(Optional) Maximum (*,G)/(S,G) entires allowed on the interface

Command Mode

- /exec/configure/if-igp

ipv6 mld syslog-threshold

{ ipv6 [icmp] mld syslog-threshold <percentage> } | { no ipv6 [icmp] mld syslog-threshold }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD global configuration commands
syslog-threshold	MLD table syslog threshold
percentage	Percentage

Command Mode

- /exec/configure

ipv6 mld version

{ { no ipv6 mld version [<version>] } | { ipv6 mld version <version> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD interface configuration commands
version	Configures MLD version number for interface
version	(Optional) Version number value

Command Mode

- /exec/configure/if-igp

ipv6 multicast group-range prefix-list

{ ipv6 multicast group-range prefix-list <prefix-list-name> } | { no ipv6 multicast group-range prefix-list [<prefix-list-name>] }

Syntax Description

no	Negate a command or set its defaults
ipv6	Display IP information
multicast	Display multicast information
group-range	Display group-range prefix
prefix-list	Group range prefix-list policy for multicast boundary
prefix-list-name	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 multicast multipath

[no] ipv6 multicast multipath { <multipath-type> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Display IPv6 information
multicast	Configure IP multicast global parameters
multipath	Configure ECMP multicast load splitting
multipath-type	multipath type

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 multicast multipath resilient

[no] ipv6 multicast multipath resilient

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Display IPv6 information
multicast	Configure IP multicast global parameters
multipath	Configure ECMP multicast load splitting
resilient	Configure resilient RPF interface

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 nd cache limit

{ { ipv6 nd cache limit <max> } | { no ipv6 nd cache limit } } [syslog <rate>]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
cache	ND cache parameters
limit	Limit size of ND adjacencies cache
max	Max no of ND adjacencies configured
syslog	(Optional) Syslog messages
rate	(Optional) Syslogs per second

Command Mode

- /exec/configure

ipv6 nd dad attempts

ipv6 nd dad attempts <attempt> | no ipv6 nd dad attempts

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
dad	Duplicate Address Detection
attempts	Set IPv6 Duplicate Address Detection Transmits
attempt	Number of attempts

Command Mode

- /exec/configure/if-igp

ipv6 nd dadns-discover

{ ipv6 nd dadns-discover <dadns_interval> } | { no ipv6 nd dadns-discover }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
dadns-discover	Discover host from DADNS
dadns_interval	Interval in milliseconds

Command Mode

- /exec/configure/if-igp

ipv6 nd delete-adj-on-mac-delete

ipv6 nd delete-adj-on-mac-delete | no ipv6 nd delete-adj-on-mac-delete

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
delete-adj-on-mac-delete	Delete the adjacency on MAC delete

Command Mode

- /exec/configure/if-vlan-common

ipv6 nd drop-fragments

ipv6 nd drop-fragments | no ipv6 nd drop-fragments

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
drop-fragments	Drop fragmented ND packets

Command Mode

- /exec/configure

ipv6 nd hop-limit

{ { ipv6 nd hop-limit <hop-limit> } | { no ipv6 nd hop-limit [<hop-limit>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
hop-limit	Sent in RA messages, tells hosts what hop-limit to use when originating IPv6 packets
hop-limit	Hop limit in IPv6 header

Command Mode

- /exec/configure/if-igp

ipv6 nd local-proxy no-hw-flooding

{ { ipv6 nd local-proxy <prefix> no-hw-flooding } | { no ipv6 nd local-proxy <prefix> no-hw-flooding } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
local-proxy	enable nd local proxy
no-hw-flooding	disable hardware flooding

Command Mode

- /exec/configure/if-vlan-common

ipv6 nd local-proxy no-hw-flooding

{ { ipv6 nd local-proxy <prefix> no-hw-flooding } | { no ipv6 nd local-proxy <prefix> no-hw-flooding } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
local-proxy	enable nd local proxy
no-hw-flooding	disable hardware flooding

Command Mode

- /exec/configure/if-vlan-common

ipv6 nd mac-extract

[no] ipv6 nd mac-extract [exclude nud-phase]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
mac-extract	Extract next hop MAC address embedded in IPV6 address
exclude	(Optional) Exclude
nud-phase	(Optional) during NUD phase

Command Mode

- /exec/configure/if-igp

ipv6 nd managed-config-flag

[no] ipv6 nd managed-config-flag

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
managed-config-flag	Sent in RA messages, tells hosts to use stateful address auto-configuration to obtain address information

Command Mode

- /exec/configure/if-igp

ipv6 nd mtu

{ { ipv6 nd mtu <mtu> } | { no ipv6 nd mtu [<mtu>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
mtu	Sent in RA messages, tells hosts what MTU to use on this link
mtu	MTU in bytes

Command Mode

- /exec/configure/if-igp

ipv6 nd ns-interval

{ { ipv6 nd ns-interval <interval> [<retry-count>] } | { no ipv6 nd ns-interval [<interval>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ns-interval	Retransmission interval between sending Neighbor-Solicitation messages
interval	Interval in milliseconds
retry-count	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-igp

ipv6 nd off-list timeout

{ ipv6 nd off-list timeout <time> } | { no ipv6 nd off-list timeout }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	Display Neighbor Discovery interface information
off-list	off-list
timeout	Expire time
time	Expire time value in seconds

Command Mode

- /exec/configure

ipv6 nd other-config-flag

[no] ipv6 nd other-config-flag

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
other-config-flag	Sent in RA messages, tells hosts to use stateful auto-configuration to obtain non-address related information

Command Mode

- /exec/configure/if-igp

ipv6 nd prefix

{ { ipv6 nd prefix <prefix> [{ <val-life> | infinite } { <perf-life> | infinite } [[no-autoconfig] [no-onlink] [no-rtr-address] [off-link]] | no-advertise] } | { no ipv6 nd prefix <prefix> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
prefix	IPv6 Prefix to advertise in RA
val-life	(Optional) Valid Lifetime (secs)
infinite	(Optional) Infinite Valid Lifetime
no-advertise	(Optional) Do not advertise prefix
perf-life	(Optional) Preferred Lifetime (secs)
infinite	(Optional) Infinite Preferred Lifetime
no-autoconfig	(Optional) Do not use prefix for autoconfiguration
no-onlink	(Optional) Do not use prefix for onlink determination
no-rtr-address	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
off-link	(Optional) Prefix is offlink

Command Mode

- /exec/configure/if-igp

ipv6 nd prefix default

{ { ipv6 nd prefix default [{ <val-life> | infinite } { <perf-life> | infinite } [[no-autoconfig] [no-onlink] [no-rtr-address] [off-link]] | no-advertise] } | { no ipv6 nd prefix default } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
prefix	IPv6 Prefix to advertise in RA
default	Specify prefix default parameters
val-life	(Optional) Valid Lifetime (secs)
infinite	(Optional) Infinite Valid Lifetime
no-advertise	(Optional) Do not advertise prefix
perf-life	(Optional) Preferred Lifetime (secs)
infinite	(Optional) Infinite Preferred Lifetime
no-autoconfig	(Optional) Do not use prefix for autoconfiguration
no-onlink	(Optional) Do not use prefix for onlink determination
no-rtr-address	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
off-link	(Optional) Prefix is offlink

Command Mode

- /exec/configure/if-igp

ipv6 nd ra-interval

ipv6 nd ra-interval <interval> [min <min-interval>] | no ipv6 nd ra-interval [<interval>] [min <min-interval>]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra-interval	Interval between sending Router-Advertisement messages
interval	Interval in seconds
min	(Optional) Minimum interval between sending RA messages
min-interval	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ipv6 nd ra-lifetime

{ { ipv6 nd ra-lifetime <lifetime> } | { no ipv6 nd ra-lifetime [<lifetime>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra-lifetime	Sent in RA messages, Router Lifetime of a default router, 0 means this router will not be the default router
lifetime	Lifetime in seconds

Command Mode

- /exec/configure/if-igp

ipv6 nd ra bootfile-url

{ { ipv6 nd ra bootfile-url <url> } | { no ipv6 nd ra bootfile-url } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
bootfile-url	Set boot-file-url option
url	url for boot file

Command Mode

- /exec/configure/if-igp

ipv6 nd ra dns search-list sequence

[no] ipv6 nd ra dns search-list <dnssl> [{ <dnssl_life> | infinite }] sequence <seqno>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
search-list	DNS Search List
dnssl	Configure DNS Search List to advertise in RA
dnssl_life	(Optional) Configure IPv6 DNS Search list life time
infinite	(Optional) Configure IPv6 DNS Search list life time with infinite
sequence	Sequence of Search List
seqno	Sequence number

Command Mode

- /exec/configure/if-igp

ipv6 nd ra dns search-list suppress

[no] ipv6 nd ra dns search-list suppress

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
search-list	DNS Search List
suppress	Disable sending DNSSL in Router-Advertisement messages

Command Mode

- /exec/configure/if-igp

ipv6 nd ra dns server sequence

[no] ipv6 nd ra dns server <ipv6_addr> [{ <rdnss_life> | infinite }] sequence <seqno>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
server	Domain Name System Server
rdnss_life	(Optional) Configure IPv6 DNS Server life time
infinite	(Optional) Configure IPv6 DNS Server life time with infinite
sequence	Sequence of Server
seqno	Sequence number

Command Mode

- /exec/configure/if-igp

ipv6 nd ra dns server suppress

[no] ipv6 nd ra dns server suppress

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
server	Domain Name System Server
suppress	Disable sending RDNSS in Router-Advertisement messages

Command Mode

- /exec/configure/if-igp

ipv6 nd ra route suppress

[no] ipv6 nd ra route suppress

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
route	Route Information Option in RFC 4191
suppress	Disable sending Route Information Options in RA messages

Command Mode

- /exec/configure/if-igp

ipv6 nd raguard

[no] ipv6 nd raguard

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	Configure IPv6 ND
raguard	Configure RA guard

Command Mode

- /exec/configure/if-switching

ipv6 nd raguard

[no] ipv6 nd raguard [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
policy_name	(Optional) policy name for ipv6 raguard

Command Mode

- /exec/configure/vlan-config

ipv6 nd raguard attach-policy

[no] ipv6 nd raguard attach-policy <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
policy_name	policy name for feature RA guard

Command Mode

- /exec/configure/if-switching

ipv6 nd raguard policy

[no] ipv6 nd raguard policy <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
policy_name	Name of the raguard policy

Command Mode

- /exec/configure

ipv6 nd reachable-time

{ { ipv6 nd reachable-time <time> } | { no ipv6 nd reachable-time [<time>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
reachable-time	Sent in RA messages, advertised time when a node considers a neighbor up after receiving a reachability confirmation
time	Time in milliseconds

Command Mode

- /exec/configure/if-igp

ipv6 nd retrans-timer

{ { ipv6 nd retrans-timer <time> } | { no ipv6 nd retrans-timer [<time>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
retrans-timer	Sent in RA messages, advertised time between NS messages
time	Time in milliseconds

Command Mode

- /exec/configure/if-igp

ipv6 nd route route-preference High Low Medium infinite

{ { ipv6 nd route <prefix> route-preference { High | Low | Medium } { <lifetime> | infinite } [{ verify-reachability }] } | { no ipv6 nd route { <prefix> | all } route-preference } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
route	Route Information Option in RFC 4191
route-preference	Route preference value
High	High router preference
Low	Low router preference
Medium	Medium router preference
lifetime	Lifetime (secs)
infinite	Infinite lifetime of prefix
verify-reachability	(Optional) Verify if route is present in Route table
all	Remove all the Router Preference prefixes

Command Mode

- /exec/configure/if-igp

ipv6 nd router-preference High Low Medium

{ { ipv6 nd router-preference { High | Low | Medium } } | { no ipv6 nd router-preference } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
router-preference	Set default router preference value
High	High default router preference
Low	Low default router preference
Medium	Medium default router preference

Command Mode

- /exec/configure/if-igp

ipv6 nd solicit-na accept

{ ipv6 nd solicit-na { { accept [no-probe | <interval>] | [no-accept] } | { accept1 [no-probe1 | <interval1>] | [no-accept1] } } } | { no ipv6 nd solicit-na }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
solicit-na	Solicited Neighbor Advertisemen
accept	Accept Solicit NA without incomplete entry
no-probe	(Optional) Do not probe, create a Reachable Entry
interval	(Optional) Probe Interval in Seconds
no-accept	(Optional) Do not accept Solicit NA without incomplete entry
accept1	Accept Solicit NA without incomplete entry
no-probe1	(Optional) Do not probe, create a Reachable Entry
interval1	(Optional) Probe Interval in Seconds
no-accept1	(Optional) Do not accept Solicit NA without incomplete entry

Command Mode

- /exec/configure

ipv6 nd suppress-ra

[no] ipv6 nd suppress-ra [mtu]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
suppress-ra	Disable sending Router-Advertisement messages
mtu	(Optional) Disable sending MTU in Router-Advertisement messages

Command Mode

- /exec/configure/if-igp

ipv6 nd synchronize

[no] ipv6 nd synchronize

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	Display Neighbor Discovery interface information
synchronize	CFS synchronize

Command Mode

- /exec/configure/vpc-domain

ipv6 neighbor

[no] ipv6 neighbor <ipv6-addr> [<mac-addr>] | ipv6 neighbor <ipv6-addr> <mac-addr>

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
neighbor	Configure IPv6 address to layer-2 address mapping
mac-addr	(Optional) Layer-2 MAC address

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan-common

ipv6 neighbor allow-static-neighbor-outside-subnet

[no] ipv6 neighbor allow-static-neighbor-outside-subnet

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
neighbor	Configure IPv6 address to layer-2 address mapping
allow-static-neighbor-outside-subnet	Allow static neighbor outside interface subnet

Command Mode

- /exec/configure

ipv6 neighbor binding

[no] ipv6 neighbor binding { { reachable-lifetime { infinite | <reach-secs> } } | { stale-lifetime { infinite | <stale-secs> } } | { down-lifetime { infinite | <down-secs> } } } +

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
reach-secs	Seconds
stale-secs	Seconds
down-secs	Seconds

Command Mode

- /exec/configure

ipv6 neighbor binding

[no] ipv6 neighbor binding { { vlan <vlanid> { <ipv6addr1> } } interface <intf> [<mac-address> [tracking { default | disable | enable [retry-interval { default | <interval> }] }] [reachable-lifetime { default | infinite | <reach-secs> }]] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
vlanid	Number of entries
intf	Interface
mac-address	(Optional) 48-bit hardware address / <cr> for any mac address
interval	(Optional) seconds
reach-secs	(Optional) seconds

Command Mode

- /exec/configure

ipv6 neighbor binding logging

[no] ipv6 neighbor binding logging

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features

Command Mode

- /exec/configure

ipv6 neighbor binding max-entries

{ ipv6 neighbor binding max-entries <box-lim> { [vlan-limit <vlan-lim>] | [port-limit <port-lim>] | [mac-limit <mac-lim>] } + | no ipv6 neighbor binding max-entries [<box-lim> { [vlan-limit <vlan-lim>] | [port-limit <port-lim>] | [mac-limit <mac-lim>] } +] }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
box-lim	Number of entries
vlan-lim	(Optional) Number of entries
port-lim	(Optional) Number of entries
mac-lim	(Optional) Number of entries

Command Mode

- /exec/configure

ipv6 neighbor tracking

[no] ipv6 neighbor tracking [retry-interval <interval>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
interval	(Optional) Seconds

Command Mode

- /exec/configure

ipv6 pim anycast-rp

[no] ipv6 pim anycast-rp <anycast-rp> <rp-addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
anycast-rp	Configure an RP in an Anycast-RP set (using PIM6)

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim assert-rate-limit

{ { ipv6 pim assert-rate-limit <rate> } | { no ipv6 pim assert-rate-limit [<rate>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
assert-rate-limit	Rate limit for PIM6 Asserts
rate	Packets per second

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim bidir-rp-limit

[no] ipv6 pim bidir-rp-limit <limit>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
bidir-rp-limit	Configures maximum Bidir RPs for IPv6 PIM in this VRF
limit	Set limit for Bidir RPs permitted in IPv6 PIM

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim border-router

[no] ipv6 pim border-router

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
border-router	Configures the interface to be a boundary of a PIM6-SM domain

Command Mode

- /exec/configure/if-igp

ipv6 pim border

[no] ipv6 pim border

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
border	Configures interface to be a boundary of a PIM6 domain

Command Mode

- /exec/configure/if-igp

ipv6 pim dr-priority

{ { ipv6 pim dr-priority <priority> } | { no ipv6 pim dr-priority [<priority>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
dr-priority	Configures priority for PIM6 DR election on interface
priority	Priority value

Command Mode

- /exec/configure/if-igp

ipv6 pim evpn-border-leaf

[no] ipv6 pim evpn-border-leaf

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
evpn-border-leaf	Configure this node as a border leaf

Command Mode

- /exec/configure

ipv6 pim flush-routes

[no] ipv6 pim flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
flush-routes	Remove routes when restarting PIM6

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim hello-interval

{ { ipv6 pim hello-interval <interval> } | { no ipv6 pim hello-interval [<interval>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
hello-interval	Configures the Hello interval for interface
interval	Interval in milliseconds

Command Mode

- /exec/configure/if-igp

ipv6 pim isolate

[no] ipv6 pim isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
isolate	Isolate this router from IPV6 PIM perspective

Command Mode

- /exec/configure

ipv6 pim log-neighbor-changes

[no] ipv6 pim log-neighbor-changes

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
log-neighbor-changes	Log up/down PIM6 neighbor transitions

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim passive

{ ipv6 pim passive | no ipv6 pim passive }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
passive	Interface in passive mode. No send/recv

Command Mode

- /exec/configure/if-igp

ipv6 pim register-rate-limit

{ { ipv6 pim register-rate-limit <rate> } | { no ipv6 pim register-rate-limit [<rate>] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
register-rate-limit	Rate limit for PIM6 data registers
rate	Packets per second

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim rp-address

{ { ipv6 pim rp-address <rp-address> [group-list <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name>] [bidir] [override] } | { no ipv6 pim rp-address <rp-address> [group-list <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name>] [bidir] [override] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
rp-address	Configure static RP for group range
group-list	(Optional) Group range for static RP
route-map	(Optional) Route Map policy for static RP
route-map-name	(Optional) Route-map name
prefix-list	(Optional) Prefix List policy for static RP
prefix-list-name	(Optional) Name of prefix-list
bidir	(Optional) Group range is treated in PIM6 bidirectional mode
override	(Optional) RP address will override the dynamically learnt RPs

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim sparse-mode

ipv6 pim sparse-mode | no ipv6 pim [sparse-mode]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
sparse-mode	Configures sparse-mode PIM6 on interface

Command Mode

- /exec/configure/if-igp

ipv6 pim spt-switch-graceful

[no] ipv6 pim spt-switch-graceful

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
spt-switch-graceful	Graceful switch-over to SPT

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim state-limit

{ { ipv6 pim state-limit <max-states> [reserved <route-map-name> <max-reserved>] } | { no ipv6 pim state-limit [<max-states> [reserved <route-map-name> <max-reserved>]] } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
state-limit	Configures State limit
max-states	Maximum (*,G)/(S,G) entries allowed in this VRF
reserved	(Optional) Configures Reserved limit
route-map-name	(Optional) Route-map name
max-reserved	(Optional) Maximum reserved (*,G)/(S,G) entries allowed in this VRF

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 policy route-map

ipv6 policy route-map <route-map-name> | no ipv6 policy route-map [<route-map-name> | <route-map-name>]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
policy	Configure PBR feature
route-map	Route-map for PBR
route-map-name	Route-map name
route-map-name	(Optional) Route-map name
route-map-name	(Optional) Known route-map name

Command Mode

- /exec/configure/if-igp

ipv6 port traffic-filter

[no] ipv6 port traffic-filter <name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
port	Port policy
traffic-filter	Specify access control for packets
name	List name
inout	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l2

ipv6 prefix-list description

{ ipv6 prefix-list <ipv6-pfl-name> description <line> } | { no ipv6 prefix-list <ipv6-pfl-name> description }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
prefix-list	Build a prefix list
ipv6-pfl-name	Name of prefix-list
ipv6-pfl-name	Known prefix-list name
description	Description of the IPv6 prefix list
line	IPv6 prefix-list description string

Command Mode

- /exec/configure

ipv6 prefix-list permit

{ ipv6 prefix-list <ipv6-pfl-name> [seq <seq>] { permit | deny } <prefix> { [eq <equal>] | [ge <greater>] [le <lesser>] } [mask <mask>] } | { no ipv6 prefix-list { <ipv6-pfl-name> | <ipv6-pfl-name> } [seq <seq>] [{ permit | deny } <prefix> { [eq <equal>] | [ge <greater>] [le <lesser>] } [mask <mask>]] }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
prefix-list	Build a prefix list
ipv6-pfl-name	Name of prefix-list
ipv6-pfl-name	Name of prefix-list
ipv6-pfl-name	Known prefix-list name
seq	(Optional) Sequence number of an entry
seq	(Optional) Sequence number
permit	Specify routes to forward
deny	Specify routes to reject
eq	(Optional) Exact prefix length to be matched
equal	(Optional) Exact prefix length
ge	(Optional) Minimum prefix length to be matched
greater	(Optional) Minimum prefix length
le	(Optional) Maximum prefix length to be matched
lesser	(Optional) Maximum prefix length
mask	(Optional) Explicit match mask

Command Mode

- /exec/configure

ipv6 queue-packets

[no] ipv6 queue-packets

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
queue-packets	Queue 1 packet when triggered NS is sent

Command Mode

- /exec/configure

ipv6 redirects

ipv6 [nd] redirects | no ipv6 [nd] redirects

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	(Optional) ICMPv6 Neighbor Discovery commands
redirects	Enable sending ICMPv6 Redirect messages

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ipv6 route

[no] ipv6 route <ipv6-prefix> { <interface> | { { <link-local> <interface-link-local> } | { <pin-interface> <next-hop> } | { <next-hop> | <nh-prefix> } | { <vlan-interface> } } [vrf { <vrf-name> | <vrf-known-name> }] } [track <object-num>] [name <rt-name>] [<pref> | tag <tag-value>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
route	Configure IPv6 unicast static route
interface	Interface for interface static routes
vlan-interface	vlan interface
name	(Optional) Specify name of the next hop
rt-name	(Optional) Name of next hop
pin-interface	Pin interface
interface-link-local	Interface for interface static routes
track	(Optional) Specify the Object to be Tracked
object-num	(Optional) Track Object Number
vrf	(Optional) VRF for next-hop if different from this vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
pref	(Optional) Route preference
tag	(Optional) Supply tag value with static route
tag-value	(Optional) 32-bit value for tag

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 route static bfd

[no] ipv6 route static bfd <pin-interface> <next-hop>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IP features
route	Route information
static	Static route based configuration
bfd	Enable bfd detection on static route
pin-interface	Interface on which bfd has to be enabled

Command Mode

- /exec/configure /exec/configure/config-mgmt /exec/configure/vrf

ipv6 router isis

[no] ipv6 router isis <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
router	Enable a routing process
isis	Intermediate System to Intermediate System (IS-IS)
tag	Process tag

Command Mode

- /exec/configure/if-igp

ipv6 router ospfv3 area

[no] ipv6 router ospfv3 <tag> area { <area-id-ip> | <area-id-int> } [secondaries none]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
router	Enable a routing process
ospfv3	OSPFv3 configuration commands
tag	Process tag
area	Area associated with interface
area-id-ip	OSPFv3 area ID in IP address format
area-id-int	OSPFv3 area ID as a decimal format
secondaries	(Optional) Do not include secondary IPv6 addresses
none	(Optional) Do not include secondary IPv6 addresses

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ipv6 router ospfv3 multi-area

[no] ipv6 router ospfv3 [<tag>] multi-area <area-id-ip>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
router	Enable a routing process
ospfv3	OSPFv3 configuration commands
tag	(Optional) Process tag
multi-area	Multi-Area associated with interface
area-id-ip	Area Id as an integer or ip address

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ipv6 routing multicast holddown

[no] { ipv6 } routing multicast holddown [<route-holddown-sec> | [disable-init-phase]]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Display IPv6 information
routing	Configure routing information
multicast	Configure multicast
holddown	Initial holddown period
route-holddown-sec	(Optional) Delay in seconds [70..3600], 0 to disable holddown
disable-init-phase	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ipv6 routing multicast mfdm-buffer-route-count

ipv6 routing multicast mfdm-buffer-route-count { <size> } | no ipv6 routing multicast mfdm-buffer-route-count [<size>]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IP features
routing	Configure routing information
multicast	Configure multicast
mfdm-buffer-route-count	mfdm buffer route size
size	size in numbers

Command Mode

- /exec/configure

ipv6 routing multicast software-replicate

[no] ipv6 routing multicast software-replicate [iif]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
routing	Configure routing information
multicast	Configure multicast
software-replicate	Enable software replication of PIM ASM leak packets
iif	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ipv6 snooping

[no] ipv6 snooping [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
policy_name	(Optional) policy name for ipv6 snooping

Command Mode

- /exec/configure/vlan-config

ipv6 snooping

[no] ipv6 snooping [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
policy_name	(Optional) policy name for ipv6 snooping

Command Mode

- /exec/configure/if-switching

ipv6 snooping policy

[no] ipv6 snooping policy <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
name	Name of the snooping policy

Command Mode

- /exec/configure

ipv6 snooping unit-test bt-add vlan

{ ipv6 snooping unit-test bt-add vlan <vlanid>

Syntax Description

ipv6	Configure IPv6 features
vlanid	Number of entries

Command Mode

- /exec/configure

ipv6 switch-packets

[no] ipv6 switch-packets [lla]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
switch-packets	Switch ND packets received on core ports
lla	(Optional) Switch ND packets targeted to Link local address on core ports

Command Mode

- /exec/configure

ipv6 traffic-filter

[no] ipv6 traffic-filter <name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
traffic-filter	Specify access control for packets
name	List name
inout	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l3

ipv6 unreachables

[no] ipv6 [icmp] unreachables

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
unreachables	Enable sending ICMPv6 Unreachable messages (port-unreachables are always rate-limit enabled)

Command Mode

- /exec/configure/if-igp

ipv6 verify unicast source reachable-via rx

[no] ipv6 verify unicast source reachable-via [{ rx [allow vni-hosts] | any [allow-default] }] | ipv6 verify unicast source reachable-via { rx [allow vni-hosts] | any [allow-default] }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
verify	Unicast Reverse Path Forwarding
unicast	Unicast Reverse Path Forwarding
source	Validation of source address
reachable-via	Specify reachability check to apply to the source address
rx	(Optional) Source is reachable via interface on which packet was received
allow	(Optional) More options
vni-hosts	(Optional) Source is reachable via interface vlan
any	(Optional) Source is reachable via any interface
allow-default	(Optional) Loose Default Route Unicast Reverse Path Forwarding

Command Mode

- /exec/configure/if-igp

is-type

is-type <is-type> | no is-type [<is-type>]

Syntax Description

no	Negate a command or set its defaults
is-type	IS type for this IS-IS process
is-type	IS-IS IS type

Command Mode

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

ishow cli find nodes

ishow cli find nodes [<component>] [recurse]

Syntax Description

ishow	Show internal information
cli	Show CLI information
find	
nodes	display
component	(Optional) display
recurse	(Optional) go

Command Mode

- /exec

ishow cli modes

ishow cli modes

Syntax Description

ishow	Show internal information
cli	Show CLI information
modes	show

Command Mode

- /exec

ishow cli nodes

ishow cli nodes [<mode>]

Syntax Description

ishow	Show internal information
cli	Show CLI information
nodes	show
mode	(Optional) mode

Command Mode

- /exec

ishow cli paths

ishow cli paths <component> [<type>]

Syntax Description

ishow	Show internal information
cli	Show CLI information
paths	show
component	component
type	(Optional)

Command Mode

- /exec

ishow cli tags

ishow cli tags

Syntax Description

ishow	Show internal information
cli	Show CLI information
tags	

Command Mode

- /exec

ishow core backtrace

ishow core <pid> backtrace

Syntax Description

ishow	Show internal information
core	display info from core file
pid	PID from 'show cores
backtrace	display backtrace -- needs enough space to unzip the core file!

Command Mode

- /exec

isis authentication-check

[no] isis authentication-check

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-check	Check authentication on received hellos

Command Mode

- /exec/configure/if-igp

isis authentication-check level-1

[no] isis authentication-check level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-check	Check authentication on received hellos
level-1	Configure authentication check for level-1 IIHs

Command Mode

- /exec/configure/if-igp

isis authentication-check level-2

[no] isis authentication-check level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-check	Check authentication on received hellos
level-2	Configure authentication check for level-2 IIHs

Command Mode

- /exec/configure/if-igp

isis authentication-type cleartext

[no] isis authentication-type { cleartext | md5 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5

Command Mode

- /exec/configure/if-igp

isis authentication-type cleartext level-1

[no] isis authentication-type { cleartext | md5 } level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5
level-1	Specify authentication type for level-1 IIHs

Command Mode

- /exec/configure/if-igp

isis authentication-type cleartext level-2

[no] isis authentication-type { cleartext | md5 } level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5
level-2	Specify authentication type for level-2 IIHs

Command Mode

- /exec/configure/if-igp

isis authentication key-chain

[no] isis authentication key-chain <auth-keychain>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
auth-keychain	authentication keychain

Command Mode

- /exec/configure/if-igp

isis authentication key-chain level-1

[no] isis authentication key-chain <auth-keychain> level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
auth-keychain	authentication keychain

Command Mode

- /exec/configure/if-igp

isis authentication key-chain level-2

[no] isis authentication key-chain <auth-keychain> level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
auth-keychain	authentication keychain

Command Mode

- /exec/configure/if-igp

isis bfd

[no] isis bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
bfd	Interface BFD configuration
disable	(Optional) Disable BFD on interface

Command Mode

- /exec/configure/if-igp

isis circuit-type

isis circuit-type <circuit-type> | no isis circuit-type [<circuit-type>]

Syntax Description

no	Negate a command or set its defaults
isis	IS-IS configuration commands
circuit-type	Configure circuit type for interface
circuit-type	IS-IS circuit type
isis	

Command Mode

- /exec/configure/if-igp

isis csnp-interval level

[no] isis csnp-interval <sec> { level-1 | level-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
csnp-interval	Set CSNP interval in seconds
sec	CSNP interval value
level-1	Specify interval for level-1 CSNPs
level-2	Specify interval for level-2 CSNPs

Command Mode

- /exec/configure/if-igp

isis hello-interval

[no] isis hello-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
hello-interval	Set Hello interval in seconds
sec	Hello interval value

Command Mode

- /exec/configure/if-igp

isis hello-interval level

[no] isis hello-interval <sec> { level-1 | level-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
hello-interval	Set Hello interval in seconds
sec	Hello interval value
level-1	Specify hello-interval for level-1 IIHs
level-2	Specify hello-interval for level-2 IIHs

Command Mode

- /exec/configure/if-igp

isis hello-multiplier

[no] isis hello-multiplier <multi>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
hello-multiplier	Set multiplier for Hello holding time
multi	Hello multiplier value

Command Mode

- /exec/configure/if-igp

isis hello-multiplier level

[no] isis hello-multiplier <multi> { level-1 | level-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
hello-multiplier	Set multiplier for Hello holding time
multi	Hello multiplier value
level-1	Specify hello multiplier for level-1 IIHs
level-2	Specify hello multiplier for level-2 IIHs

Command Mode

- /exec/configure/if-igp

isis hello-padding

{ isis hello-padding | no isis hello-padding [always] }

Syntax Description

no	Negate a command or set its defaults
isis	IS-IS configuration commands
hello-padding	Pad IS-IS hello PDUs to full MTU
always	(Optional) Pad every hello

Command Mode

- /exec/configure/if-igp

isis ipv6 bfd

[no] isis ipv6 bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
ipv6	Enable BFD for ipv6
bfd	Interface BFD configuration
disable	(Optional) Disable BFD on interface

Command Mode

- /exec/configure/if-igp

isis ipv6 metric level-1

[no] isis ipv6 metric <metric> level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
metric	Configure metric for IPV6 topology
ipv6	Configure metric for IPV6 topology
metric	Default metric
level-1	Apply metric to level-1 links

Command Mode

- /exec/configure/if-igp /exec/configure/router-isis/router-isis-af-ipv6

isis ipv6 metric level-2

[no] isis ipv6 metric <metric> level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
metric	Configure metric for IPV6 topology
ipv6	Configure metric for IPV6 topology
metric	Default metric
level-2	Apply metric to level-2 links

Command Mode

- /exec/configure/if-igp /exec/configure/router-isis/router-isis-af-ipv6

isis lsp-interval

[no] isis lsp-interval <msec>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
lsp-interval	Set LSP transmission interval
msec	LSP transmission interval (milliseconds)

Command Mode

- /exec/configure/if-igp

isis mesh-group

{ isis mesh-group { blocked | <mesh-id> } | no isis mesh-group [{ blocked | <mesh-id> }] }

Syntax Description

no	Negate a command or set its defaults
isis	IS-IS configuration commands
mesh-group	Set IS-IS mesh group
mesh-id	Mesh group number
blocked	Block LSPs on this interface

Command Mode

- /exec/configure/if-igp

isis metric level-1

[no] isis metric <metric> level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
metric	Configure the metric for interface
metric	Default metric
level-1	Apply metric to level-1 links

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel

isis metric level-2

[no] isis metric <metric> level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
metric	Configure the metric for interface
metric	Default metric
level-2	Apply metric to level-2 links

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel

isis mtu-check

[no] isis mtu-check

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
mtu-check	Check mtu on received hellos, if its padded

Command Mode

- /exec/configure/if-igp

isis mtu-check level-1

[no] isis mtu-check level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
mtu-check	Check mtu on received hellos, if its padded
level-1	Configure mtu-check for level-1

Command Mode

- /exec/configure/if-igp

isis mtu-check level-2

[no] isis mtu-check level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
mtu-check	Check mtu on received hellos, if its padded
level-2	Configure mtu-check for level-2

Command Mode

- /exec/configure/if-igp

isis network point-to-point

[no] isis network point-to-point [use-allIS-mac]

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
network	Change interface medium to p2p
point-to-point	Change interface medium to p2p
use-allIS-mac	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel

isis passive-interface

isis passive-interface <level> | no isis passive-interface <level> | default isis passive-interface [<level_obsolete>]

Syntax Description

no	Negate a command or set its defaults
isis	IS-IS configuration commands
passive-interface	Suppress IS-IS PDU
default	Undo a command
level	Level to suppress
level_obsolete	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-igp

isis prefix-attributes n-flag-clear

[no] isis prefix-attributes n-flag-clear

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
prefix-attributes	Segment routing attribute
n-flag-clear	Clear N flag for prefix

Command Mode

- /exec/configure/if-igp

isis priority level

[no] isis priority <priority> { level-1 | level-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
priority	Set priority for DIS election
priority	Priority value
level-1	Specify priority for level-1 routing
level-2	Specify priority for level-2 routing

Command Mode

- /exec/configure/if-igp

isis retransmit-interval

[no] isis retransmit-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
retransmit-interval	Set per-LSP retransmission interval
sec	Interval between retransmissions of the same LSP (seconds)

Command Mode

- /exec/configure/if-igp

isis retransmit-throttle-interval

[no] isis retransmit-throttle-interval <msec>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
retransmit-throttle-interval	Set interface LSP retransmission interval
msec	Delay between retransmitted LSPs (milliseconds)

Command Mode

- /exec/configure/if-igp

isis shutdown

[no] isis shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
shutdown	Graceful shutdown IS-IS functionality on the interface

Command Mode

- /exec/configure/if-igp

isis suppressed

[no] isis suppressed

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
suppressed	Do not advertise connected prefixes of this interface

Command Mode

- /exec/configure/if-igp

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate this router from OSPF perspective

Command Mode

- /exec/configure/router-ospf

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate this router from RIP perspective

Command Mode

- /exec/configure/router-rip

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate router, ISIS perspective (set overload)

Command Mode

- /exec/configure/router-isis

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate this router from OSPFV3 perspective

Command Mode

- /exec/configure/router-ospf3

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate this router from EIGRP perspective

Command Mode

- /exec/configure/router-eigrp

isolate

[no] isolate [include-local]

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Withdraw remote BGP routes to isolate this router
include-local	(Optional) Withdraw both local and remote BGP routes

Command Mode

- /exec/configure/router-bgp

itd

{ itd <service-name> } | { no itd <service-name> }

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
service-name	ITD service-name

Command Mode

- /exec/configure

itd device-group

{ itd device-group <svc-name> } | { no itd device-group <svc-name> }

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
device-group	ITD device group
svc-name	service-name

Command Mode

- /exec/configure

itd port-group

{ itd port-group <svc-name> } | { no itd port-group <svc-name> }

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
port-group	port group
svc-name	service-name

Command Mode

- /exec/configure

itd session access-list refresh

itd session access-list <acl-name> refresh

Syntax Description

itd	ITD service
session	ITD session
access-list	ITD include access-list
acl-name	acl-name
refresh	Refresh ITD policies based on access-list changes

Command Mode

- /exec/configure

itd session device-group

{ itd session device-group <svc-name> } | { no itd session device-group <svc-name> }

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
session	ITD session
device-group	ITD device group
svc-name	service-name

Command Mode

- /exec/configure

itd statistics

{ itd statistics <service-name> } | { no itd statistics <service-name> }

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
statistics	ITD statistics
service-name	ITD service-name

Command Mode

- /exec/configure

itu channel

itu channel <itu_channel_val> | no itu channel [<itu_channel_val>]

Syntax Description

no	Negate a command or set its defaults
itu	Configure itu_channel for the DWDM SFP
channel	Configure itu_channel for the DWDM SFP
itu_channel_val	Enter itu channel

Command Mode

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