F Commands

fabric-interface

fabric-interface <ifname> | no fabric-interface <ifname>

Syntax Description

no	Negate a command or set its defaults
fabric-interface	Fabric interface to use
ifname	Interface Name

Command Mode

- /exec/configure/if-remote-ethernet /exec/configure/if-eth-base /exec/configure/if-ethernet-all handle auto 619

fabric-soo

[no] fabric-soo { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> }

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-soo	Fabric Site of Origin
ext-comm-soo-aa4nn2	VPN extcommunity in aa4:fabric_id format
ext-comm-soo-aa2nn4	VPN extcommunity in aa:fabric_id format

Command Mode

- /exec/configure/router-bgp

fabric database auto-pull dci vrf node-id

fabric database auto-pull dci vrf <vrf-name> node-id <mgmt-ip-address> [peer-id <peer-ip-address>]

Syntax Description

fabric	Fabric
database	Fabric Database
auto-pull	Pull configuration
dci	DCI profile
vrf	Display per-VRF information
vrf-name	VRF name
node-id	management ip address of this node
mgmt-ip-address	IP address in CIDR format
peer-id	(Optional) management ip address of peer
peer-ip-address	(Optional) IP address in CIDR format

Command Mode

- /exec

fabric database auto-pull vni interface

fabric database auto-pull { vni <vni-id> | dot1q <vlan-id> } interface <interface-id> [{ overwrite-vlan | overwrite-bd } <ow-vlan-id>]

Syntax Description

fabric	Fabric
database	Fabric Database
auto-pull	Pull configuration
vni	Pull ethernet-tag vni configuration
vni-id	
dot1q	Pull ethernet-tag dot1q configuration
vlan-id	
interface	Applied interface
interface-id	Name of interface
overwrite-vlan	(Optional) Overwrite the system generate vlan
overwrite-bd	(Optional) Overwrite the system generate bd
ow-vlan-id	(Optional)

Command Mode

- /exec

fabric database inherit-profile-map

{ fabric database inherit-profile-map <id> } | { no fabric database inherit-profile-map }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
inherit-profile-map	Inherit a profile map. All non-global mappings will be inherited.
id	Profile Map ID

Command Mode

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

fabric database mobility-domain

[no] fabric database mobility-domain <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
mobility-domain	Tag to identify mobility domain name
name	Mobility Domain Name

Command Mode

- /exec/configure

fabric database override-profile

[no] fabric database override-profile <profilename>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
override-profile	Override the network profile name
profilename	Enter the profile name to override network profile

Command Mode

- /exec/configure

fabric database override-vrf-profile

[no] fabric database override-vrf-profile <profilename>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
override-vrf-profile	Override the VRF (partition) profile name
profilename	Enter the profile name to override VRF profile

Command Mode

- /exec/configure

fabric database profile-map

[no] fabric database profile-map <id>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
profile-map	Configure a profile map
id	Profile Map ID

Command Mode

- /exec/configure

fabric database profile-map global

[no] fabric database profile-map global

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
profile-map	Configure a profile map
global	Global profile (apply to all interfaces)

Command Mode

- /exec/configure

fabric database refresh dot1q

fabric database refresh dot1q <vlan-id> [{ mobility-domain <name> | interface <interface-id> }]

Syntax Description

fabric	Fabric
database	Fabric Database
refresh	Refresh profile configuration
dot1q	Dot1Q Encapsulation
vlan-id	
interface	(Optional) Applied interface
interface-id	(Optional) Name of interface
mobility-domain	(Optional) Tag to identify mobility domain name
name	(Optional) Mobility Domain Name

Command Mode

- /exec

fabric database refresh vni

fabric database refresh { vni <vni-id> | include-vrf { <vrf-name> } }

Syntax Description

fabric	Fabric
database	Fabric Database
refresh	Refresh profile configuration
vni	Virtual Network Identifier
vni-id	
include-vrf	Include VRF name
vrf-name	VRF name

Command Mode

- /exec

fabric database timer

[no] fabric database timer { cleanup | recovery | vdp | re-add } <timeout>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	
database	
timer	HMM timers
cleanup	Delay in minutes before profile is deleted
recovery	Delay in minutes before recovered profile is deleted
vdp	Delay in minutes before new VDP requests (after un-apply) are accepted
re-add	Delay in minutes before new client requests (after un-apply) are accepted
timeout	Set timeout in minutes

Command Mode

- /exec/configure

fabric database type bl-dci

[no] fabric database type bl-dci

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
bl-dci	Border Leaf - DCI

Command Mode

- /exec/configure

fabric database type cabling

[no] fabric database type cabling

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
cabling	Cable Management Database

Command Mode

- /exec/configure

fabric database type network

[no] fabric database type network

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
network	Network Database

Command Mode

- /exec/configure

fabric database type partition

[no] fabric database type partition

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
partition	Partition Database

Command Mode

- /exec/configure

fabric database type profile

[no] fabric database type profile

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
profile	Port or Switch Profile Database

Command Mode

- /exec/configure

fabric forwarding anycast-gateway-mac

{ fabric forwarding anycast-gateway-mac <mac-addr> } | { no fabric forwarding anycast-gateway-mac }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
anycast-gateway-mac	Anycast Gateway MAC of the Switch
mac-addr	MAC address

Command Mode

- /exec/configure

fabric forwarding dup-host-ip-addr-detection

{ fabric forwarding dup-host-ip-addr-detection <mmoves> <nsecs> | no fabric forwarding dup-host-ip-addr-detection }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
dup-host-ip-addr-detection	To detect duplicate host address in n secs
mmoves	Set Number of host moves to be allowed in n secs. Default is 5
nsecs	Set the duplicate detection timeout in secs for host moves. Default is 180

Command Mode

- /exec/configure

fabric forwarding dup-host-recovery-timer recover-count

{ fabric forwarding dup-host-recovery-timer <timeout> recover-count <count> | no fabric forwarding dup-host-recovery-timer }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
dup-host-recovery-timer	Refresh the frozen duplicate host
timeout	Set the timeout in secs to refresh the duplicate host. Default is 30 secs
recover-count	Maximum number of refreshes
count	Set the maximum number of host refresh. Default is 5.

Command Mode

- /exec/configure

fabric forwarding limit-vlan-mac

[no] fabric forwarding limit-vlan-mac <max-limit>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
limit-vlan-mac	Maximum number of end-hosts allowed to have the same (vlan, MAC) mapping in a given vrf (Default is 2048)
max-limit	Set max-limit

Command Mode

- /exec/configure

fabric forwarding mode anycast-gateway

{ fabric forwarding mode anycast-gateway } | { no fabric forwarding mode }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
mode	Forwarding Modes
anycast-gateway	Anycast Gateway Forwarding Mode

Command Mode

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

fabric forwarding selective-host-probe

[no] fabric forwarding selective-host-probe

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
selective-host-probe	Trigger unconditional host probe

Command Mode

- /exec/configure

fabricpath domain

[no] fabricpath domain <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Data Center Intermediate System to Intermediate System (L2MP-IS-IS)
domain	Fabricpath IS-IS domain
tag	Process tag

Command Mode

- /exec/configure/if-vlan

fabricpath domain default

fabricpath domain default

Syntax Description

fabricpath	Configure fabricpath global commands
domain	Enter fabricpath IS-IS domain configuration mode
default	default fabricpath domain

Command Mode

- /exec/configure

fabricpath dynamic switch-id

{ fabricpath dynamic switch-id <switch-id-value> }

Syntax Description

fabricpath	fabricpath configuration
dynamic	Dynamically configured switch-id
switch-id	Dynamically configured switch-id
switch-id-value	switch-id-value

Command Mode

- /exec/configure

fabricpath force link-bringup

fabricpath force link-bringup

Syntax Description

fabricpath	fabricpath information
force	Force link merge
link-bringup	Force link merge

Command Mode

- /exec

fabricpath graceful-merge disable

{ fabricpath graceful-merge disable } | { no fabricpath graceful-merge disable }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
graceful-merge	Graceful merging of netwoks
disable	Disable graceful merge of networks

Command Mode

- /exec/configure

fabricpath isis authentication-check

[no] fabricpath isis authentication-check

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
authentication-check	Check authentication on received hellos

Command Mode

- /exec/configure/if-switching

fabricpath isis authentication-type cleartext

{ fabricpath isis authentication-type { cleartext | md5 } | no fabricpath isis authentication-type [{ cleartext | md5 }] }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5

Command Mode

- /exec/configure/if-switching

fabricpath isis authentication key-chain

{ fabricpath isis authentication key-chain <auth-keychain> | no fabricpath isis authentication key-chain [<auth-keychain>] }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
auth-keychain	authentication keychain

Command Mode

- /exec/configure/if-switching

fabricpath isis csnp-interval

[no] fabricpath isis csnp-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
csnp-interval	Set CSNP interval in seconds
sec	CSNP interval value

Command Mode

- /exec/configure/if-switching

fabricpath isis event-history adjacency

[no] fabricpath isis event-history adjacency [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
adjacency	Adjacency events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history cli

[no] fabricpath isis event-history cli [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
cli	CLI events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history csnp

[no] fabricpath isis event-history csnp [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
csnp	CSNP events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history drap

[no] fabricpath isis event-history drap [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
drap	DRAP events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history events

[no] fabricpath isis event-history events [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
events	Message and high-level events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history graceful

[no] fabricpath isis event-history graceful [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
graceful	Graceful Restart events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history ha

[no] fabricpath isis event-history ha [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
ha	High-Availability events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history iih

[no] fabricpath isis event-history iih [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
iih	Interface hello events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history lsp-flood

[no] fabricpath isis event-history lsp-flood [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
lsp-flood	LSP-flood events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history lsp-gen

[no] fabricpath isis event-history lsp-gen [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
lsp-gen	LSP-Gen events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history m2rib

[no] fabricpath isis event-history m2rib [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
m2rib	M2rib events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history mccast

[no] fabricpath isis event-history mccast [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
mccast	Mccast events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history psnp

[no] fabricpath isis event-history psnp [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
psnp	PSNP events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history redist

[no] fabricpath isis event-history redist [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
redist	Redistribution events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history spf-leaf

[no] fabricpath isis event-history spf-leaf [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
spf-leaf	Shortest path first events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history spf-tree

[no] fabricpath isis event-history spf-tree [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
spf-tree	SPF-Tree events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis event-history urib

[no] fabricpath isis event-history urib [{ size { <size_in_text> | <size_in_kbytes> } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
event-history	Configure event-history buffers
urib	URIB events
size	(Optional) Configure size
size_in_text	(Optional) Buffer size
size_in_kbytes	(Optional) Size in kbytes

Command Mode

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

fabricpath isis fabric-control

[no] fabricpath isis fabric-control

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
fabric-control	Set interface to fabric-control svi

Command Mode

- /exec/configure/if-vlan

fabricpath isis hello-interval

[no] fabricpath isis hello-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
hello-interval	Set Hello interval in seconds
sec	Hello interval value

Command Mode

- /exec/configure/if-switching

fabricpath isis hello-multiplier

[no] fabricpath isis hello-multiplier <multi>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
hello-multiplier	Set multiplier for Hello holding time
multi	Hello multiplier value

Command Mode

- /exec/configure/if-switching

fabricpath isis hello-padding

{ fabricpath isis hello-padding | no fabricpath isis hello-padding [always] }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
hello-padding	Pad IS-IS hello PDUs to full MTU
always	(Optional) Pad every hello

Command Mode

- /exec/configure/if-switching

fabricpath isis hello-padding always

fabricpath isis hello-padding always

Syntax Description

fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
hello-padding	Pad IS-IS hello PDUs to full MTU
always	Pad every hello

Command Mode

- /exec/configure/if-switching

fabricpath isis lsp-interval

[no] fabricpath isis lsp-interval <msec>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
lsp-interval	Set LSP transmission interval
msec	LSP transmission interval (milliseconds)

Command Mode

- /exec/configure/if-switching

fabricpath isis mesh-group

{ fabricpath isis mesh-group { blocked | <mesh-id> } | no fabricpath isis mesh-group [{ blocked | <mesh-id> }] }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
mesh-group	Set IS-IS mesh group
mesh-id	Mesh group number
blocked	Block LSPs on this interface

Command Mode

- /exec/configure/if-switching

fabricpath isis metric

[no] fabricpath isis metric <metric>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
metric	Configure the metric for interface
metric	Default metric

Command Mode

- /exec/configure/if-switching /exec/configure/if-any/if-fp-topology

fabricpath isis mtu-check

[no] fabricpath isis mtu-check

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
mtu-check	Check mtu on received hellos, if its padded

Command Mode

- /exec/configure/if-switching

fabricpath isis retransmit-interval

[no] fabricpath isis retransmit-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
retransmit-interval	Set per-LSP retransmission interval
sec	Interval between retransmissions of the same LSP (seconds)

Command Mode

- /exec/configure/if-switching

fabricpath isis retransmit-throttle-interval

[no] fabricpath isis retransmit-throttle-interval <msec>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
retransmit-throttle-interval	Set interface LSP retransmission interval
msec	Delay between retransmitted LSPs (milliseconds)

Command Mode

- /exec/configure/if-switching

fabricpath isis test add

fabricpath isis test { ip | ipv6 | mac } { add | del } <vlan-id> { <v4-source> <v4-group> | <v6-source> <v6-group> | <mac-source> <mac-group> }

Syntax Description

fabricpath	Configure fabricpath global commands
isis	Fabricpath IS-IS global commands
test	Test command for IPV6/MAC/IP
ipv6	Display IS-IS IPv6 information
ip	Display IS-IS IPv4 information
mac	Display IS-IS MAC information
add	Add IPV4/V6 route
del	Delete IPV4/V6 route
vlan-id	Display IS-IS VLAN information
v4-source	Display single IP redistribute route
v4-group	Display single IP redistribute route
mac-source	Display single MAC redistribute route
mac-group	Display single MAC redistribute route

Command Mode

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

F Commands

fabricpath isis topology

fabricpath isis topology

[no] fabricpath isis topology <topo-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
isis	Fabricpath IS-IS interface commands
topology	Enable topology on interface
topo-id	Topology ID

Command Mode

- /exec/configure/if-switching /exec/configure/if-p2p

F Commands

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F Commands

fabricpath load-balance

[no] fabricpath load-balance { source | source-destination | xor | destination | symmetric }

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
load-balance	Configure load-balancing parameters
source	Include source parameters
source-destination	Include source and destination parameters
xor	Include ex-or of source and destination parameters. This option defaults to symmetric control in F2 modules.
destination	Include destination parameters
symmetric	Symmetric (default)

Command Mode

- /exec/configure

fabricpath load-balance multicast

[no] fabricpath load-balance multicast { [{ source | source-destination | xor | destination | symmetric }] [rotate-amount <rot_amt>] [include-vlan] }

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
load-balance	Configure load-balancing parameters
multicast	Multicast
source	(Optional) Include source parameters
source-destination	(Optional) Include source and destination parameters
xor	(Optional) Include ex-or of source and destination parameters.This option defaults to symmetric control in F2 modules.
destination	(Optional) Include destination parameters
symmetric	(Optional) Symmetric (default)
rotate-amount	(Optional) Rotate amount for hash string
rot_amt	(Optional) in bytes (hex)
include-vlan	(Optional) Use vlan

Command Mode

- /exec/configure

fabricpath load-balance unicast

[no] fabricpath load-balance unicast { [{ source | source-destination | xor | destination | symmetric }] [{ layer3 | layer4 | mixed }] [rotate-amount <rot_amt>] [include-vlan] }

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
load-balance	Configure load-balancing parameters
unicast	Unicast
source	(Optional) Include source parameters
source-destination	(Optional) Include source and destination parameters
xor	(Optional) Include ex-or of source and destination parameters.This option defaults to symmetric control in F2 modules.
destination	(Optional) Include destination parameters
symmetric	(Optional) Symmetric (default)
layer3	(Optional) Only Layer-3 parameters considered
layer4	(Optional) Only Layer-4 parameters considered
mixed	(Optional) Mix of Layer-3 and Layer-4 paramaters (default)
rotate-amount	(Optional) Rotate amount for hash string
rot_amt	(Optional) in bytes (hex)
include-vlan	(Optional) Use vlan

Command Mode

- /exec/configure

fabricpath multicast aggregate-routes

{ no fabricpath multicast aggregate-routes | fabricpath multicast aggregate-routes [exclude <ftag-ids>] }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
multicast	Configure multicast information
aggregate-routes	Program specific routes for broadcast/multicast trees
exclude	(Optional) don't aggregate routes for these ftags
ftag-ids	(Optional) range of ftag ids for the trees

Command Mode

- /exec/configure

fabricpath multicast load-balance

fabricpath multicast load-balance | no fabricpath multicast load-balance

Syntax Description

no	Negate a command or set its defaults
fabricpath	Configuration for a fabricpath network
multicast	Configuration pertaining to all multi-destination packets
load-balance	Make both vPC peers as partial designated forwarders when possible

Command Mode

- /exec/configure/vpc-domain

fabricpath switch-id

{ fabricpath switch-id <switch-id-value> } | { no fabricpath switch-id }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
switch-id	Statically configured switch-id
switch-id-value	switch-id-value

Command Mode

- /exec/configure

fabricpath switch-id

fabricpath switch-id <es_id> | no fabricpath switch-id [<es_id>]

Syntax Description

no	Negate a command or set its defaults
fabricpath	Configuration for a fabricpath network
switch-id	Configure the fabricpath switch ID
es_id	Fabricpath Switch ID

Command Mode

- /exec/configure/vpc-domain

fabricpath timers allocate-delay

{ fabricpath timers allocate-delay <timer-value> } | { no fabricpath timers allocate-delay }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
timers	fabricpath switch-id timers
allocate-delay	Time delay new resource propagation
timer-value	timer value in seconds

Command Mode

- /exec/configure

fabricpath timers linkup-delay

{ fabricpath timers linkup-delay <timer-value> } | { no fabricpath timers linkup-delay }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
timers	fabricpath switch-id timers
linkup-delay	Time delay for link bringup for detecting conflicts
timer-value	timer value in seconds

Command Mode

- /exec/configure

fabricpath timers transition-delay

{ fabricpath timers transition-delay <timer-value> } | { no fabricpath timers transition-delay }

Syntax Description

no	Negate a command or set its defaults
fabricpath	fabricpath configuration
timers	fabricpath switch-id timers
transition-delay	Time delay transitiond value propagation
timer-value	timer value in seconds

Command Mode

- /exec/configure

fabricpath topology-member

{ fabricpath topology-member <tpg-id> } | { no fabricpath topology-member <tpg-id> }

Syntax Description

no	Negate a command or set its defaults
fabricpath	Configure fabricpath topology
topology-member	Set interface's fabricpath topology membership
tpg-id	Fabricpath Topology ID 1-63

Command Mode

- /exec/configure/if-switching

fabricpath topology

{ fabricpath topology <tpg-id> } | { no fabricpath topology <tpg-id> }

Syntax Description

no	Negate a command or set its defaults
fabricpath	Configure fabricpath topology
topology	Configure fabricpath topology
tpg-id	Fabricpath Topology ID 1-63

Command Mode

- /exec/configure

fabricpath unicast route

[no] fabricpath unicast route { local { ftag <ftag> swid <switchid> [sswid <subswitchid>] | ES ftag <ftag> swid <switchid> } | remote { ftag <ftag> swid <switchid> [sswid <subswitchid>] nhif <nhifid_range> | IIC ftag <ftag> swid <switchid> [sswid <subswitchid>] nhif <nhifid> | ESSSW ftag <ftag> swid <switchid> sswid <subswitchid> nhif <nhifid> | INVRT ftag <ftag> swid <switchid> sswid <subswitchid> nhif <nhifid> } [dist <dist>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
fabricpath	fabricpath configuration
unicast	Unicast
route	route
local	local route
ES	Program as ES route
remote	remote route
IIC	Program as IIC route
ESSSW	Program as ES-SSW route
INVRT	Program as inverse route
ftag	FTAG for route
ftag	FTAG for route (hex)
swid	Switch ID for route
switchid	Route switchid (hex)
sswid	(Optional) Sub-switch ID for route
subswitchid	(Optional) Route sub-switch id (hex)
nhif	Next hop interface
nhifid_range	Next hop interface range
nhifid	Next hop interface
dist	(Optional) Specify metric for route (defaults to 100)
dist	(Optional) Administration distance for route

Command Mode

- /exec/configure

failaction

[no] failaction { [node { reassign | drop | least-bucket }] | [bucket { distribute }] | [cluster drop] }

Syntax Description

no	(Optional) Negate a command or set its defaults
failaction	ITD failaction
node	(Optional) ITD failaction node
reassign	(Optional) ITD failaction reassign
drop	(Optional) ITD failaction drop
least-bucket	(Optional) ITD failaction least-bucket node
bucket	(Optional) ITD failaction bucket reassign
distribute	(Optional) ITD failaction distribute reassign
cluster	(Optional) ITD failaction cluster

Command Mode

- /exec/configure/itd

failaction

[no] failaction { [node { reassign | drop }] | [cluster drop] } +

Syntax Description

no	(Optional) Negate a command or set its defaults
failaction	ITD failaction
node	(Optional) ITD failaction node
reassign	(Optional) ITD failaction reassign
drop	(Optional) ITD failaction drop
cluster	(Optional) ITD failaction cluster

Command Mode

• /exec/configure/itd

fast-convergence

[no] fast-convergence

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-convergence	Configure vPC fast convergence

Command Mode

- /exec/configure/vpc-domain

fast-external-fallover

[no] fast-external-fallover

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-external-fallover	Immediately reset the session if the link to a directly connected BGP peer goes down

Command Mode

- /exec/configure/router-bgp

fast-flood enable

[no] fast-flood enable

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-flood	Fast flood the LSP's
enable	Turn on fast-flooding

Command Mode

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

fast-flood enable

[no] fast-flood enable

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-flood	Fast flood the LSP's
enable	Turn on fast-flooding

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

fast-flood enable

[no] fast-flood enable

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-flood	Fast flood the LSP's
enable	Turn on fast-flooding

Command Mode

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

fast-flood interval

[no] fast-flood interval <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-flood	Fast flood the LSP's
interval	Duration/interval of the fast-flood timer.
interval	Specify the value (ms)

Command Mode

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

fast-flood interval

[no] fast-flood interval <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-flood	Fast flood the LSP's
interval	Duration/interval of the fast-flood timer.
interval	Specify the value (ms)

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

fast-flood interval

[no] fast-flood interval <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-flood	Fast flood the LSP's
interval	Duration/interval of the fast-flood timer.
interval	Specify the value (ms)

Command Mode

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

fast-reload

fast-reload { [nxos <uri> | trigger-gr | save-config | [non-interruptive | nosrg]] + | force-all [nxos <uri>] + } [override]

Syntax Description

fast-reload	fast-reload software
nxos	(Optional) boot-variable name
uri	(Optional) Enter image uri
non-interruptive	(Optional) Non-Interruptive image upgrade
nosrg	(Optional) nosrg
override	(Optional) Do fast-reload without impact check
trigger-gr	(Optional) Enable BGP GR for compatible peers
save-config	(Optional) Save running-config to startup-config before fast-reload
force-all	Force upgrade the system

Command Mode

- /exec

fast-reroute

[no] fast-reroute | fast-reroute [node-protect | bw-protect] +

Syntax Description

no	Negate a command or set its defaults
fast-reroute	Specify mpls tunnel can be fast-rerouted
node-protect	(Optional) node protection desired
bw-protect	(Optional) bandwidth protection desired

Command Mode

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

fast-reroute backup-prot-preempt optimize-bw

[no] fast-reroute backup-prot-preempt optimize-bw | no fast-reroute timers promotion | fast-reroute timers promotion <seconds>

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-reroute	fast-reroute parameters
backup-prot-preempt	Preemption algorithm for backup tunnels
optimize-bw	Reduce bandwidth wastage (default: minimize LSPs preempted)
timers	configure fast-reroute timer
promotion	Configure how often we scan for LSP backup promotion
seconds	seconds between promotions (0 disables promotion.)

Command Mode

- /exec/configure/te

feature-set

[no] feature-set <fs>

Syntax Description

no	Negate a command or set its defaults
feature-set	Enable feature-set
fs	allow feature-set

Command Mode

- /exec/configure

feature-set

feature-set <fs>

Syntax Description

feature-set	Enable feature-set
fs	allow feature-set

Command Mode

- /exec/configure

feature

[no] feature <arg1>

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Feature name
arg1	Enter feature name

Command Mode

- /exec/configure/rolefeaturegrp

feature bash-shell

[no] feature bash-shell

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
bash-shell	Enable/Disable bash-shell

Command Mode

- /exec/configure

feature bfd

[no] feature bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
bfd	bfd

Command Mode

- /exec/configure

feature bgp

[no] feature bgp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
bgp	Enable/Disable Border Gateway Protocol (BGP)

Command Mode

- /exec/configure

feature catena

[no] feature catena

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
catena	Enable/Disable catena

Command Mode

- /exec/configure

feature dhcp

[no] feature dhcp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
dhcp	Enable/Disable DHCP Manager

Command Mode

- /exec/configure

feature eigrp

[no] feature eigrp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
eigrp	Enable/Disable Enhanced Interior Gateway Routing Protocol (EIGRP)

Command Mode

- /exec/configure

feature evb

[no] feature evb

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
evb	Enable/Disable Edge Virtual Bridge (EVB)

Command Mode

- /exec/configure

feature evmed

[no] feature evmed

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
evmed	Enable/Disable Generic event detectors

Command Mode

- /exec/configure

feature glbp

[no] feature glbp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
glbp	Enable/Disable Gateway Load Balancing Protocol (GLBP)

Command Mode

- /exec/configure

feature hsrp

[no] feature hsrp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
hsrp	Enable/Disable Hot Standby Router Protocol (HSRP)

Command Mode

- /exec/configure

feature icam

[no] feature icam

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
icam	Enable/Disable icam

Command Mode

• /exec/configure

feature imp

[no] feature imp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
imp	Enable/Disable IMP

Command Mode

- /exec/configure

feature interface-vlan

[no] feature interface-vlan

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
interface-vlan	Enable/Disable interface vlan

Command Mode

- /exec/configure

feature isis

[no] feature isis

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
isis	Enable/Disable IS-IS Unicast Routing Protocol (IS-IS)

Command Mode

- /exec/configure

feature lacp

[no] feature lacp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
lacp	Enable/Disable LACP

Command Mode

- /exec/configure

feature ldap

[no] feature ldap

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ldap	Enable/Disable ldap

Command Mode

- /exec/configure

feature lldp

[no] feature lldp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
lldp	Enable/Disable LLDP

Command Mode

- /exec/configure

feature macsec

[no] feature macsec

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
macsec	Enable/Disable CTS

Command Mode

- /exec/configure

feature mpls evpn

[no] feature mpls evpn

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
evpn	Enable MPLS EVPN

Command Mode

- /exec/configure

feature mpls l3vpn

[no] feature mpls l3vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
l3vpn	Enable/Disable Layer 3 Virtual Private Networks

Command Mode

- /exec/configure

feature mpls ldp

[no] feature mpls ldp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
ldp	Enable/Disable Label Distribution Protocol

Command Mode

- /exec/configure

feature mpls oam

[no] feature mpls oam

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
oam	Enable MPLS OAM

Command Mode

- /exec/configure

feature mpls segment-routing

[no] feature mpls segment-routing

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
segment-routing	Enable Segment-routing

Command Mode

- /exec/configure

feature mpls static

[no] feature mpls static

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
static	Enable/Disable Static Labeled Paths

Command Mode

- /exec/configure

feature mpls traffic-engineering

[no] feature mpls traffic-engineering

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
traffic-engineering	Enable/Disable MPLS Traffic Engineering

Command Mode

- /exec/configure

feature msdp

[no] feature msdp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
msdp	Enable/Disable Multicast Source Discovery Protocol (MSDP)

Command Mode

- /exec/configure

feature mvpn

[no] feature mvpn

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mvpn	Multicast Virtual Private Networks.

Command Mode

- /exec/configure

feature nat

[no] feature nat

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nat	Enable/Disable NAT

Command Mode

- /exec/configure

feature nbm

[no] feature nbm

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable a feature
nbm	Enable/Disable Non Blocking Multicast (NBM) feature

Command Mode

• /exec/configure

feature ngoam

[no] feature ngoam

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ngoam	Enable/Disable ngoam

Command Mode

- /exec/configure

feature ntp

[no] feature ntp

Syntax Description

no	(Optional) Negate a command or set its default
feature	Command to enable/disable features
ntp	Enable/Disable NTP

Command Mode

- /exec/configure

feature nv overlay

[no] feature nv overlay

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nv	Enable/Disable VxLAN
overlay	Enable/Disable VxLAN

Command Mode

- /exec/configure

feature nxapi

[no] feature nxapi

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nxapi	Enable/Disable nxapi

Command Mode

- /exec/configure

feature nxdb

[no] feature nxdb

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nxdb	Enable/Disable nxdb

Command Mode

- /exec/configure

feature nxsdk

[no] feature nxsdk

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nxsdk	Enable/Disable nxsdk Services

Command Mode

- /exec/configure

feature openflow

[no] feature openflow

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
openflow	Enable/Disable OpenFlow agent

Command Mode

- /exec/configure

feature ospf

[no] feature ospf

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ospf	Enable/Disable Open Shortest Path First Protocol (OSPF)

Command Mode

- /exec/configure

feature ospfv3

[no] feature ospfv3

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ospfv3	Enable/Disable Open Shortest Path First Version 3 Protocol (OSPFv3)

Command Mode

- /exec/configure

feature password encryption aes

[no] feature password encryption aes

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Enable the feature
password	Credential(s) for the user(s)/device(s)
encryption	Strong encryption for credential(s)
aes	Encrypt using AES encryption standard

Command Mode

- /exec/configure

feature pbr

[no] feature pbr

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pbr	Enable/Disable Policy Based Routing(PBR)

Command Mode

- /exec/configure

feature pim

[no] feature pim

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pim	Enable/Disable Protocol Independent Multicast (PIM)

Command Mode

- /exec/configure

F Commands

feature pim6

feature pim6

[no] feature pim6

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pim6	Enable/Disable Protocol Independent Multicast (PIM) for IPv6

Command Mode

- /exec/configure

F Commands

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feature plb

[no] feature plb

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
plb	Enable/Disable Pervasive Load Balancing feature

Command Mode

- /exec/configure

feature poap

[no] feature poap

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
poap	Enable/Disable POAP

Command Mode

- /exec/configure

feature pong

[no] feature pong

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pong	Enable/Disable Pong

Command Mode

- /exec/configure

feature port-security

[no] feature port-security

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable eth port security features
port-security	Enable/Disable port-security

Command Mode

- /exec/configure

feature privilege

[no] feature privilege

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
privilege	Enable/Disable IOS type privilege level support

Command Mode

- /exec/configure

feature rip

[no] feature rip

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
rip	Enable/Disable Routing Information Protocol (RIP)

Command Mode

- /exec/configure

feature rise

[no] feature rise

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
rise	Enable/Disable RISE

Command Mode

- /exec/configure

feature scheduler

[no] feature scheduler

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
scheduler	Enable/Disable scheduler

Command Mode

- /exec/configure

feature scp-server

[no] feature scp-server

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
scp-server	Enable/Disable SCP server

Command Mode

- /exec/configure

feature sflow

[no] feature sflow

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sflow	Enable/Disable sFlow agent

Command Mode

- /exec/configure

feature sftp-server

[no] feature sftp-server

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sftp-server	Enable/Disable SFTP server

Command Mode

- /exec/configure

feature smart-channel

[no] feature smart-channel

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
smart-channel	Enable/Disable smart-channel

Command Mode

- /exec/configure

feature ssh

[no] feature ssh

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ssh	Enable/Disable ssh

Command Mode

- /exec/configure

feature tacacs

[no] feature tacacs +

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features

Command Mode

- /exec/configure

feature telemetry

[no] feature telemetry

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
telemetry	Enable/Disable Telemetry

Command Mode

- /exec/configure

feature telnet

feature telnet

[no] feature telnet

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
telnet	Enable/Disable telnet

Command Mode

- /exec/configure

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feature tunnel

[no] feature tunnel

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
tunnel	Enable/Disable Tunnel Manager

Command Mode

- /exec/configure

feature udld

[no] feature udld

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
udld	Enable/Disable UDLD

Command Mode

- /exec/configure

feature vmtracker

[no] feature vmtracker

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vmtracker	Enable/Disable VM Tracker feature

Command Mode

- /exec/configure

F Commands

feature vn-segment-vlan-based

[no] feature vn-segment-vlan-based

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vn-segment-vlan-based	Enable/Disable VLAN based VN segment

Command Mode

- /exec/configure

feature vpc

[no] feature vpc

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vpc	Enable/Disable VPC (Virtual Port Channel)

Command Mode

- /exec/configure

feature vrrp

[no] feature vrrp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vrrp	Enable/Disable Virtual Router Redundancy Protocol (VRRP)

Command Mode

- /exec/configure

feature vrrpv3

[no] feature vrrpv3

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vrrpv3	Enable/Disable Virtual Router Redundancy Protocol (VRRP) version 3

Command Mode

- /exec/configure

feature vtp

[no] feature vtp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vtp	Enable/Disable VTP

Command Mode

- /exec/configure

fec

fec <fec_val> | no fec [<fec_val>]

Syntax Description

no	Negate a command or set its defaults
fec	Forwarding error correction
fec_val	Interface FEC options

Command Mode

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

fex

[no] fex <chas_no>

Syntax Description

no	(Optional) Negate the command
fex	FEX configuration
chas_no	FEX number

Command Mode

- /exec/configure

fex associate

fex associate <chassis_no> [chassis-serial <serial_no> [module-serial <mod_serial>] [module-slot { left | right }]] | no fex associate [<chassis_no>]

Syntax Description

no	Negate a command or set its defaults
fex	Configure FEX fabric
associate	Associate the port to a FEX
chassis_no	FEX number
chassis-serial	(Optional) Chassis serial number
serial_no	(Optional) Serial number
module-serial	(Optional) Module serial number
mod_serial	(Optional) Module serial number
module-slot	(Optional) Module Slot
left	(Optional) Left IO module slot
right	(Optional) Right IO module slot

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all /exec/configure/if-port-channel

fex management-instance fabric

fex management-instance <inst> fabric <fabric_no> | no fex management-instance

Syntax Description

no	Negate a command or set its defaults
fex	FEX configuration
management-instance	Management instance configuration
inst	Management Instance
fabric	Left fabric or Right fabric
fabric_no	Fabric number

Command Mode

- /exec/configure handle auto 619

fex pinning redistribute

fex pinning redistribute <rchas_id>

Syntax Description

fex	FEX control commands
pinning	Pinning redistribution
redistribute	Redistribute FEX ports to fabric ports
rchas_id	FEX number

Command Mode

- /exec

fhrp delay minimum

[no] fhrp delay minimum | fhrp delay minimum <delay>

Syntax Description

no	Negate a command or set its defaults
fhrp	FHRP interface configuration commands
delay	Configure FHRP delay
minimum	minimum delay
delay	Seconds to delay

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan

fhrp delay reload

[no] fhrp delay reload | fhrp delay reload <delay>

Syntax Description

no	Negate a command or set its defaults
fhrp	FHRP interface configuration commands
delay	Configure FHRP delay
reload	reload delay
delay	Seconds to delay

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan

filesys delete

filesys delete <s0>

Syntax Description

filesys	file system command
delete	delete a file on file system
s0	file name

Command Mode

- /exec

filter

[no] filter [subject-name <s0> | altname-email <s1> | altname-upn <s2>]

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Configure mapping filter
subject-name	(Optional) Subject name of the certificate
s0	(Optional) Subject name
altname-email	(Optional) Email id as an alternate name
s1	(Optional) Email id
altname-upn	(Optional) User principal name as an alternate name
s2	(Optional) User principal name

Command Mode

- /exec/configure/certmap-filter

filter access-group

[no] filter access-group <acl-name> [allow-sharing]

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
access-group	access control group
acl-name	access control list name
allow-sharing	(Optional) allow up to 4 access control groups on same source interface

Command Mode

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

filter ipv6 access-group

[no] filter ipv6 access-group <acl-name> [allow-sharing]

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
ipv6	ipv6 access group
access-group	access control group
acl-name	access control list name
allow-sharing	(Optional) allow up to 4 access control groups on same source interface

Command Mode

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

filter out

[no | default] { filter-list <fltrlist-name> } { out | in }

Syntax Description

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

Command Mode

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

find

find <s0>

Syntax Description

find	Find a file below the current directory
s0	Enter the filename prefix to search

Command Mode

- /exec

fips debug errors debug

[no] fips debug errors { debug-lc-post-on-maint | reset-debug-lc-post-on-maint }

Syntax Description

no	(Optional) Negate a command or set its defaults
fips	Enable/Disable FIPS mode
debug	Introduce errors into FIPS tests
errors	Introduce errors
debug-lc-post-on-maint	Run the switch on debug mode for fips maintenance state
reset-debug-lc-post-on-maint	Reset the mode from debug-lc-post-on-maint

Command Mode

- /exec/

fips mode enable

[no] fips mode enable

Syntax Description

no	(Optional) Negate a command or set its defaults
fips	Enable/Disable FIPS mode
mode	FIPS mode
enable	Enable/Disable FIPS mode

Command Mode

- /exec/configure

flow exporter

[no] flow exporter <exportername>

Syntax Description

flow	Enable/Disable NetFlow configuration
exporter	Define a Flow Exporter
exportername	Name of Flow Exporter

Command Mode

- /exec/configure

flow forward

[no] flow { forward | reverse }

Syntax Description

no	(Optional) Negate a command or set its defaults
flow	Configure ngoam flow
forward	Ngoam forward flow
reverse	Ngoam reverse flow

Command Mode

- /exec/configure/configngoamprofile

flow monitor

[no] flow monitor <monitorname>

Syntax Description

flow	Enable/Disable NetFlow configuration
monitor	Define a Flow Monitor
monitorname	Name of Flow Monitor

Command Mode

- /exec/configure

flow record

[no] flow record <recordname>

Syntax Description

flow	Enable/Disable NetFlow configuration
record	Define a Flow Record
recordname	Record name

Command Mode

- /exec/configure

flow timeout

{ [no] flow timeout <time> | no flow timeout }

Syntax Description

flow	Enable/Disable NetFlow configuration
timeout	Define a Flow Timeout
time	Time in seconds (flush-cache-Only for F2 cards)

Command Mode

- /exec/configure

flow timeout active

{ [no] flow timeout active <time> | no flow timeout active }

Syntax Description

flow	Enable/Disable NetFlow configuration
timeout	Define a Flow Timeout
active	Active or long timeout
time	Time in seconds

Command Mode

- /exec/configure

flow timeout aggressive threshold

{ [no] flow timeout aggressive threshold <percentage> | no flow timeout aggressive }

Syntax Description

flow	Enable/Disable NetFlow configuration
timeout	Define a Flow Timeout
aggressive	Aggressive aging
threshold	Threshold to start the aggressive aging
percentage	Percentage of NetFlow Table full

Command Mode

- /exec/configure

flow timeout fast threshold

{ [no] flow timeout fast <time> threshold <packets> | no flow timeout fast }

Syntax Description

flow	Enable/Disable NetFlow configuration
timeout	Define a Flow Timeout
fast	Fast aging timeout
time	Time in seconds
threshold	Threshold to start fast aging
packets	Number of packets in flow before timeout for the flow to not expire

Command Mode

- /exec/configure

flow timeout inactive

{ [no] flow timeout inactive <time> | no flow timeout inactive }

Syntax Description

flow	Enable/Disable NetFlow configuration
timeout	Define a Flow Timeout
inactive	inactive or normal timeout
time	Time in seconds

Command Mode

- /exec/configure

flow timeout session

[no] flow timeout session

Syntax Description

flow	Enable/Disable NetFlow configuration
timeout	Define a Flow Timeout
session	Enable TCP session aging

Command Mode

- /exec/configure

flowcontrol hardware

[no] flowcontrol hardware

Syntax Description

no	(Optional) Negate a command or set its defaults
flowcontrol	Set flow control
hardware	Set hardware flowcontrol

Command Mode

- /exec/configure/com1

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes in RIB during restart

Command Mode

- /exec/configure/router-rip

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes on a non-graceful controlled restart

Command Mode

- /exec/configure/router-ospf

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes on non-graceful controlled restart

Command Mode

- /exec/configure/router-isis

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes on a non-graceful controlled restart

Command Mode

- /exec/configure/router-ospf3

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes in RIB during restart

Command Mode

- /exec/configure/router-eigrp

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes in RIB upon controlled restart

Command Mode

- /exec/configure/router-bgp

follow

follow <name> | no follow

Syntax Description

no	Negate a command or set its defaults
follow	Group to be followed
name	master name string to follow

Command Mode

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

forceshut reset-reason

forceshut [{ module <module> | <s0> <santa-cruz-range> | zone <zonenum> <subzone> }] reset-reason
<reset_reason_string>

Syntax Description

forceshut	Force the entire switch to shut down
module	(Optional) Optional. Module to be forceshut(optional arg)
module	(Optional) please enter the module number
s0	(Optional) Power off a specific xbar
santa-cruz-range	(Optional) please enter the xbar number
zone	(Optional) Optional. Zone to be forceshut(optional arg)
zonenum	(Optional) please enter the zone number
subzone	(Optional) please enter the subzone number
reset-reason	Shut down (with reset-reason)
reset_reason_string	please enter reset_reason_string in quotes

Command Mode

- /exec

format bootflash

format bootflash:

Syntax Description

format	Format disks
bootflash:	Format bootflash:

Command Mode

- /exec

format bootflash check-filesystem

format bootflash: check-filesystem

Syntax Description

format	Format disks
bootflash:	Format bootflash:
check-filesystem	Format bootflash: and fix any errors in file system

Command Mode

- /exec

format usb1

format usb1:

Syntax Description

format	Format disks
usb1:	Format usb1:

Command Mode

- /exec

format usb2

format usb2:

Syntax Description

format	Format disks
usb2:	Format usb2:

Command Mode

- /exec

forward

[no] forward

Syntax Description

no	(Optional) Negate a command or set its defaults
forward	Configure paths

Command Mode

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

forwarder preempt

[no] forwarder preempt [delay minimum <min-delay>]

Syntax Description

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

Command Mode

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

forwarding-adjacency

[no] forwarding-adjacency | forwarding-adjacency [holdtime <msec>]

Syntax Description

no	Negate a command or set its defaults
forwarding-adjacency	Treat this tunnel as a Forwarding Adjacency
holdtime	(Optional) How long in msecs to wait upon flooding a down Forwarding Adjacency
msec	(Optional) Holdtime on MPLS TE Down

Command Mode

- /exec/configure/if-te

fragments

[no] fragments <opt_type>

Syntax Description

no	(Optional) Negate a command or set its defaults
opt_type	frag_op_type

Command Mode

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

frequency

{ { no | default } frequency | frequency <seconds> }

Syntax Description

no	
default	Set a command to its defaults
frequency	Frequency of an operation
seconds	Frequency in seconds

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho /exec/configure/ip-sla/http

from to

[no] { { from <frm-list> to <to-val> } | { default { <value> | copy | ignore } } }

Syntax Description

no	(Optional) Negate a command or set its defaults
from	Map values from this
frm-list	Original list of values which are to be mapped
to	Map values to this
to-val	New mapped value
default	map default values
value	default value to be set
copy	Do a default copy
ignore	Ignore any unspecified values

Command Mode

- /exec/configure/table-map

from to

{ [no] { { from <frm-list> to <to-val> } | { default <value> } } } | default copy

Syntax Description

no	(Optional) Negate a command or set its defaults
from	Map values from this
frm-list	Original list of values which are to be mapped
to	Map values to this
to-val	New mapped value
default	map default values
value	default value to be set
copy	Do a default copy

Command Mode

- /exec/configure/def-tmap