



## F Commands

---

- [fabric-soo](#), on page 5
- [fabric database auto-pull dci node-id](#), on page 6
- [fabric database auto-pull dci vrf node-id](#), on page 7
- [fabric database auto-pull vni interface](#), on page 8
- [fabric database inherit-profile-map](#), on page 9
- [fabric database mobility-domain](#), on page 10
- [fabric database override-profile](#), on page 11
- [fabric database override-vrf-profile](#), on page 12
- [fabric database profile-map](#), on page 13
- [fabric database profile-map global](#), on page 14
- [fabric database refresh dot1q](#), on page 15
- [fabric database refresh vni](#), on page 16
- [fabric database static-host](#), on page 17
- [fabric database timer](#), on page 18
- [fabric database type bl-dci](#), on page 19
- [fabric database type cabling](#), on page 20
- [fabric database type host](#), on page 21
- [fabric database type network](#), on page 22
- [fabric database type partition](#), on page 23
- [fabric database type profile](#), on page 24
- [fabric forwarding admin-distance](#), on page 25
- [fabric forwarding anycast-gateway-mac](#), on page 26
- [fabric forwarding dup-host-ip-addr-detection](#), on page 27
- [fabric forwarding dup-host-recovery-timer recover-count](#), on page 28
- [fabric forwarding dup-host-unfreeze-timer unfreeze-count](#), on page 29
- [fabric forwarding limit-vlan-mac](#), on page 30
- [fabric forwarding mode anycast-gateway](#), on page 31
- [fabric forwarding selective-host-probe](#), on page 32
- [fabric forwarding system-check ready](#), on page 33
- [fabric multicast event-history bgp](#), on page 34
- [fabric multicast event-history ha](#), on page 35
- [fabric multicast event-history hmm](#), on page 36
- [fabric multicast event-history isis](#), on page 37

- fabric multicast event-history m2rib, on page 38
- fabric multicast event-history m6rib, on page 39
- fabric multicast event-history mrrib, on page 40
- fabric multicast event-history pim, on page 41
- fabric multicast event-history pim6, on page 42
- fabricpath multicast load-balance, on page 43
- fabricpath switch-id, on page 44
- failaction, on page 45
- failaction, on page 46
- fan speed default, on page 47
- fast-convergence, on page 48
- fast-external-falover, on page 49
- fast-flood enable, on page 50
- fast-flood enable, on page 51
- fast-flood interval, on page 52
- fast-flood interval, on page 53
- fast-reload, on page 54
- fast-reload network-os, on page 55
- fast-reroute, on page 56
- fast-reroute backup-prot-preempt optimize-bw, on page 57
- feature-set, on page 58
- feature-set, on page 59
- feature, on page 60
- feature bash-shell, on page 61
- feature bfd, on page 62
- feature bgp, on page 63
- feature eigrp, on page 64
- feature evb, on page 65
- feature evmed, on page 66
- feature interface-vlan, on page 67
- feature isis, on page 68
- feature lacp, on page 69
- feature ldap, on page 70
- feature lldp, on page 71
- feature msdp, on page 72
- feature nat, on page 73
- feature ntp, on page 74
- feature nxapi, on page 75
- feature nxdb, on page 76
- feature nxsdk, on page 77
- feature ospf, on page 78
- feature ospfv3, on page 79
- feature password encryption aes, on page 80
- feature pbr, on page 81
- feature pim, on page 82
- feature pim6, on page 83

- feature poap, on page 84
- feature privilege, on page 85
- feature rip, on page 86
- feature scheduler, on page 87
- feature scp-server, on page 88
- feature sftp-server, on page 89
- feature ssh, on page 90
- feature tacacs, on page 91
- feature telnet, on page 92
- feature vtp, on page 93
- fec, on page 94
- fec, on page 95
- fhrp delay minimum, on page 96
- fhrp delay reload, on page 97
- filesys delete, on page 98
- filter, on page 99
- filter out, on page 100
- find, on page 101
- fips debug errors debug, on page 102
- fips mode enable, on page 103
- flow exporter, on page 104
- flow forward, on page 105
- flow monitor, on page 106
- flow record, on page 107
- flow timeout, on page 108
- flowcontrol hardware, on page 109
- flowcontrol receive, on page 110
- flush-routes, on page 111
- flush-routes, on page 112
- flush-routes, on page 113
- flush-routes, on page 114
- flush-routes, on page 115
- flush-routes, on page 116
- follow, on page 117
- forceshut reset-reason, on page 118
- format, on page 119
- format bootflash, on page 120
- format bootflash check-filesystem, on page 121
- format usb1, on page 122
- forward, on page 123
- forwarder preempt, on page 124
- forwarding-adjacency, on page 125
- fragments, on page 126
- frequency, on page 127
- from to, on page 128
- from to, on page 129

- [fte event](#), on page 130
- [fte exporter](#), on page 131
- [fte monitor](#), on page 132
- [fte record](#), on page 133

# 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
<i>ext-comm-soo-aa4nn2</i>	VPN extcommunity in aa4:fabric_id format
<i>ext-comm-soo-aa2nn4</i>	VPN extcommunity in aa:fabric_id format

## Command Mode

- /exec/configure/router-bgp

## fabric database auto-pull dci node-id

fabric database auto-pull dci node-id <mgmt-ip-address>

### Syntax Description

fabric	Fabric
database	Fabric Database
auto-pull	Pull configuration
dci	DCI profile
node-id	management ip address of this node
<i>mgmt-ip-address</i>	IP address in CIDR format

### Command Mode

- /exec

# 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
<i>vrf-name</i>	VRF name
node-id	management ip address of this node
<i>mgmt-ip-address</i>	IP address in CIDR format
peer-id	(Optional) management ip address of peer
<i>peer-ip-address</i>	(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
<i>vni-id</i>	
dot1q	Pull ethernet-tag dot1q configuration
<i>vlan-id</i>	
interface	Applied interface
<i>interface-id</i>	Name of interface
overwrite-vlan	(Optional) Overwrite the system generate vlan
overwrite-bd	(Optional) Overwrite the system generate bd
<i>ow-vlan-id</i>	(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.
<i>id</i>	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
<i>name</i>	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
<i>profilename</i>	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
<i>profilename</i>	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
<i>id</i>	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
<i>vlan-id</i>	
interface	(Optional) Applied interface
<i>interface-id</i>	(Optional) Name of interface
mobility-domain	(Optional) Tag to identify mobility domain name
<i>name</i>	(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
<i>vni-id</i>	
include-vrf	Include VRF name
<i>vrf-name</i>	VRF name

### Command Mode

- /exec



# fabric database static-host

[no] fabric database static-host

## Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Fabric Database
static-host	Configure a static host

## Command Mode

- /exec/configure

## fabric database timer

[no] fabric database timer { aging | cleanup | recovery | 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
re-add	Delay in minutes before new client requests (after un-apply) are accepted
aging	Delay in minutes before profile is checked for aging
<i>timeout</i>	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 host

[no] fabric database type host

## Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
host	Host 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 admin-distance

{ fabric forwarding admin-distance <distance> } | { no fabric forwarding admin-distance }

## Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
admin-distance	Administrative distance for HMM host routes
<i>distance</i>	Set the administrative distance for HMM (default is 190)

## 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
<i>mac-addr</i>	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
<i>mmoves</i>	Set Number of host moves to be allowed in n secs. Default is 5
<i>nsecs</i>	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
<i>timeout</i>	Set the timeout in secs to refresh the duplicate host. Default is 30 secs
recover-count	Maximum number of refreshes
<i>count</i>	Set the maximum number of host refresh. Default is 5.

### Command Mode

- /exec/configure

## fabric forwarding dup-host-unfreeze-timer unfreeze-count

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

### Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
dup-host-unfreeze-timer	Refresh the frozen duplicate host
<i>timeout</i>	Set the timeout in secs to refresh the duplicate host. Default is 180 secs
unfreeze-count	Maximum number of refreshes
<i>count</i>	Set the maximum number of host refresh

### 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)
<i>max-limit</i>	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



# fabric forwarding system-check ready

fabric forwarding system-check { ready | not-ready }

## Syntax Description

fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
system-check	System check
ready	Set to ready
not-ready	Set to not ready

## Command Mode

- /exec

## fabric multicast event-history bgp

```
[no] fabric multicast event-history bgp { size { <size_in_text> | <size_in_kbytes> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
bgp	BGP events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

### Command Mode

- /exec/configure

# fabric multicast event-history ha

[no] fabric multicast event-history ha { size { <size\_in\_text> | <size\_in\_kbytes> } }

## Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
ha	ha events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

## Command Mode

- /exec/configure

## fabric multicast event-history hmm

```
[no] fabric multicast event-history hmm { size { <size_in_text> | <size_in_kbytes> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
hmm	HMM events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

### Command Mode

- /exec/configure

# fabric multicast event-history isis

```
[no] fabric multicast event-history isis { size { <size_in_text> | <size_in_kbytes> } }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
isis	ISIS events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

## Command Mode

- /exec/configure

## fabric multicast event-history m2rib

[no] fabric multicast event-history m2rib { size { <size\_in\_text> | <size\_in\_kbytes> } }

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
m2rib	M2RIB events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

### Command Mode

- /exec/configure

## fabric multicast event-history m6rib

```
[no] fabric multicast event-history m6rib { size { <size_in_text> | <size_in_kbytes> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
m6rib	M6RIB events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

### Command Mode

- /exec/configure

## fabric multicast event-history mrib

```
[no] fabric multicast event-history mrib { size { <size_in_text> | <size_in_kbytes> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
mrib	MRIB events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

### Command Mode

- /exec/configure



## fabric multicast event-history pim

```
[no] fabric multicast event-history pim { size { <size_in_text> | <size_in_kbytes> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
pim	PIM events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

### Command Mode

- /exec/configure

## fabric multicast event-history pim6

```
[no] fabric multicast event-history pim6 { size { <size_in_text> | <size_in_kbytes> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
multicast	Configure multicast
event-history	Configure event-history buffer
pim6	PIM6 events for fabric multicast
size	Configure size
<i>size_in_text</i>	Buffer size
<i>size_in_kbytes</i>	Size in kbytes

### 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 <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
<i>es_id</i>	Fabricpath Switch ID

### Command Mode

- /exec/configure/vpc-domain

# failaction

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

## Syntax Description

no	(Optional) Negate a command or set its defaults
failaction	Configure failaction for PLB service
node	PLB failaction node
reassign	PLB failaction reassign
drop	PLB failaction drop
cluster	PLB failaction cluster

## Command Mode

- /exec/configure/plb

# failaction

```
[no] failaction { [ node { reassign | drop | least-bucket | per-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
per-bucket	(Optional) ITD failaction per-bucket node
bucket	(Optional) ITD failaction bucket reassign
distribute	(Optional) ITD failaction distribute reassign
cluster	(Optional) ITD failaction cluster

## Command Mode

- /exec/configure/itd

# fan speed default

```
fan speed { default | set <speed> }
```

## Syntax Description

fan	configure fan param.
speed	configure fan speed.
default	fan reset to old speed.
set	fan speed set to
<i>speed</i>	fan speed

## Command Mode

- /exec/configure

# fast-convergence

fast-convergence | no fast-convergence

## Syntax Description

no	Negate a command or set its defaults
fast-convergence	Enable 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/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/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.
<i>interval</i>	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.
<i>interval</i>	Specify the value (ms)

## Command Mode

- /exec/configure/otv-isis/otv-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
<i>uri</i>	(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-reload network-os

fast-reload network-os <uri>

## Syntax Description

fast-reload	fast-reload software
network-os	non-cisco OS
<i>uri</i>	Enter image uri

## 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
<i>seconds</i>	seconds between promotions (0 disables promotion.)

## Command Mode

- /exec/configure/te

# feature-set

feature-set <fs>

## Syntax Description

feature-set	Enable feature-set
<i>fs</i>	allow feature-set

## Command Mode

- /exec/configure

# feature-set

[no] feature-set <fs>

## Syntax Description

no	Negate a command or set its defaults
feature-set	Enable feature-set
<i>fs</i>	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
<i>arg1</i>	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 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 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 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 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 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 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 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

# 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

# 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 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 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 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 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 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

# 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\_new> | no fec [ <fec\_val\_new> ]

## Syntax Description

no	Negate a command or set its defaults
fec	Forwarding error correction
<i>fec_val_new</i>	Interface FEC options

## Command Mode

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

# fec

fec <fec\_val> | no fec [ <fec\_val> ]

## Syntax Description

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

## Command Mode

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

## 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
<i>delay</i>	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
<i>delay</i>	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
<i>s0</i>	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
<i>s0</i>	(Optional) Subject name
altname-email	(Optional) Email id as an alternate name
<i>s1</i>	(Optional) Email id
altname-upn	(Optional) User principal name as an alternate name
<i>s2</i>	(Optional) User principal name

## Command Mode

- /exec/configure/certmap-filter

## 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
<i>fltrlist-name</i>	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-vpn4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpn6
- /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
<i>s0</i>	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
<i>exportername</i>	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
<i>monitorname</i>	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
<i>recordname</i>	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
<i>time</i>	Time in seconds (flush-cache-Only)

### 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

## flowcontrol receive

```
flowcontrol { receive { <rx_flowctrl> } | send { <tx_flowctrl> } } | no flowcontrol { receive [ { <rx_flowctrl> } ] | send [ { <tx_flowctrl> } ] }
```

### Syntax Description

no	Negate a command or set its defaults
flowcontrol	Configure interface flowcontrol
receive	Receive pause frames
<i>rx_flowctrl</i>	Receive flow control
send	Send pause frames
<i>tx_flowctrl</i>	Send flow control

### Command Mode

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

# 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 in RIB upon controlled restart

## Command Mode

- /exec/configure/router-bgp



# 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 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-rip

# 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

# follow

follow <name> | no follow

## Syntax Description

no	Negate a command or set its defaults
follow	Group to be followed
<i>name</i>	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 <zonenumber> <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)
<i>module</i>	(Optional) please enter the module number
<i>s0</i>	(Optional) Power off a specific xbar
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
zone	(Optional) Optional. Zone to be forceshut(optional arg)
<i>zonenumber</i>	(Optional) please enter the zone number
<i>subzone</i>	(Optional) please enter the subzone number
reset-reason	Shut down (with reset-reason)
<i>reset_reason_string</i>	please enter reset_reason_string in quotes

### Command Mode

- /exec

# format

format <uri1>

## Syntax Description

format	Format disks
<i>uri1</i>	destination filesystem path

## 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

# 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
<i>min-delay</i>	(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 msec to wait upon flooding a down Forwarding Adjacency
<i>msec</i>	(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
<i>opt_type</i>	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
<i>seconds</i>	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> } } } | default copy
```

## Syntax Description

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

## Command Mode

- /exec/configure/def-tmap



# 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
<i>frm-list</i>	Original list of values which are to be mapped
to	Map values to this
<i>to-val</i>	New mapped value
default	map default values
<i>value</i>	default value to be set
copy	Do a default copy
ignore	Ignore any unspecified values

## Command Mode

- /exec/configure/table-map

# fte event

[no] fte event <eventname>

## Syntax Description

fte	Enable/Disable FTE configuration
event	Define a FTE event
<i>eventname</i>	Event name

## Command Mode

- /exec/configure

# fte exporter

[no] fte exporter <exportername>

## Syntax Description

fte	Enable/Disable Flow Table Events configuration
exporter	Define a events Exporter
<i>exportername</i>	Name of event Exporter

## Command Mode

- /exec/configure

# fte monitor

[no] fte monitor <monitorname>

## Syntax Description

fte	Enable/Disable FTE configuration
monitor	Define a FTE Monitor
<i>monitorname</i>	Name of FTE Monitor

## Command Mode

- /exec/configure

# fte record

[no] fte record <recordname>

## Syntax Description

fte	Enable/Disable FTE configuration
record	Define a FTE Record
<i>recordname</i>	Record name

## Command Mode

- /exec/configure

