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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 internal vpc-update-count

[no] fabric database internal vpc-update-count <value> [reset]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	
database	
internal	Internal information
vpc-update-count	Set auto-config vPC update counter
<i>value</i>	Set number auto-config vPC updates before checking for CPU yield
reset	(Optional) reset the outstanding counter

Command Mode

- /exec/configure

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 internal

[no] fabric multicast event-history internal { 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
internal	internal 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

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

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

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/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.
<i>interval</i>	Specify the value (ms)

Command Mode

- /exec/configure/router-isis/router-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

[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
<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 container-tracker

[no] feature container-tracker

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
container-tracker	Enable/Disable NXOS Container Tracker

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 fabric forwarding

[no] feature fabric forwarding

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
fabric	Enable/Disable Fabric Services
forwarding	Enable/Disable Fabric Forwarding Protocol: Host Mobility Manager (HMM)

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 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 ngmvpn

[no] feature ngmvpn

Syntax Description

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

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 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

[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> | 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
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
<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 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 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 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 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-ospf3

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> | 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

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

