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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
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 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
mgmt-ip-address	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
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 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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
interface-id	(Optional) Name of interface
mobility-domain	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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 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 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
distance	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
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 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
timeout	Set the timeout in secs to refresh the duplicate host. Default is 180 secs
unfreeze-count	Maximum number of refreshes
count	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)
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

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 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-reload network-os

fast-reload network-os <uri>

Syntax Description

fast-reload	fast-reload software
network-os	non-cisco OS
uri	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
seconds	seconds between promotions (0 disables promotion.)

Command Mode

- /exec/configure/te

fcdroplateny network

[no] fcdroplateny { network <i0> [vsan <i1>] | switch <i2> }

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdroplateny	configure switch or network latency
network	network latency in milliseconds
i0	network latency in milliseconds
vsan	(Optional) VSAN id range
i1	(Optional)
switch	switch latency in milliseconds
i2	switch latency in milliseconds

Command Mode

- /exec/configure

fcoe

[no] fcoe

Syntax Description

no	(Optional) Negate a command or set its defaults
fcoe	create fcoe associate between fex and switch

Command Mode

- /exec/configure/fex

fcoe

[no] fcoe

Syntax Description

no	(Optional) Negate a command or set its default
fcoe	FCOE Congiguration

Command Mode

- /exec/configure/vlan

fcoe enable-fex

[no] fcoe enable-fex

Syntax Description

no	(Optional) Negate a command or set its defaults
fcoe	FCOE command
enable-fex	Enables FCoE over FEX HIF interfaces

Command Mode

- /exec/configure

fcoe fcf-priority

fcoe fcf-priority <i0> | no fcoe fcf-priority

Syntax Description

no	Negate a command or set its defaults
fcoe	FCOE command
fcf-priority	FCF priority specification
i0	Enter FCF priority

Command Mode

- /exec/configure

fcoe fcmmap

fcoe fcmmap <i0> | no fcoe fcmmap

Syntax Description

no	Negate a command or set its defaults
fcoe	FCOE command
fcmmap	FC MAP specification
i0	Enter FCMAP

Command Mode

- /exec/configure

fcoe fka-adv-period

fcoe fka-adv-period <i0> | no fcoe fka-adv-period

Syntax Description

no	Negate a command or set its defaults
fcoe	FCOE command
fka-adv-period	FKA Advertisement Period
i0	FKA Advertisement Period (in sec)

Command Mode

- /exec/configure

fcoe vloopback

fcoe vloopback | no fcoe vloopback

Syntax Description

no	Negate a command or set its defaults
fcoe	FCOE command
vloopback	VFID check for VE ports

Command Mode

- /exec/configure

fcoe vsan

fcoe vsan <tran-id> | no fcoe vsan

Syntax Description

no	Negate a command or set its default
fcoe	FCOE Congiguration
vsan	Translated VSAN Status
tran-id	Enter VSAN-ID being associated with VLAN-ID

Command Mode

- /exec/configure/vlan

fctimer D_S_TOV

[no] fctimer D_S_TOV <i0> [vsan <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
D_S_TOV	D_S_TOV in milliseconds(5000-10000)
i0	D_S_TOV in milliseconds(5000-10000)
vsan	(Optional) Specify VSAN id
i1	(Optional) VSAN id

Command Mode

- /exec/configure

fctimer E_D_TOV

[no] fctimer E_D_TOV <i0> [vsan <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
E_D_TOV	E_D_TOV in milliseconds(1000-4000)
i0	E_D_TOV in milliseconds(1000-4000)
vsan	(Optional) Specify VSAN id
i1	(Optional) VSAN id

Command Mode

- /exec/configure

fctimer R_A_TOV

[no] fctimer R_A_TOV <i0> [vsan <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
R_A_TOV	R_A_TOV in milliseconds(5000-10000)
i0	R_A_TOV in milliseconds(5000-10000)
vsan	(Optional) Specify VSAN id
i1	(Optional) VSAN id

Command Mode

- /exec/configure

fctimer abort

[no] fctimer abort

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
abort	abort the fctimer configuration commands

Command Mode

- /exec/configure

fctimer commit

[no] fctimer commit

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
commit	commit the fctimer configuration commands

Command Mode

- /exec/configure

fctimer distribute

[no] fctimer distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
distribute	Enable distribution of fctimer configuration using CFS

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
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 analytics

[no] feature analytics

Syntax Description

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

Command Mode

- /exec/configure

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 dot1x

[no] feature dot1x

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
dot1x	Enable/Disable dot1x

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 hardware-telemetry

[no] feature hardware-telemetry

Syntax Description

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

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 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 itd

[no] feature itd

Syntax Description

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

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 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 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 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 netflow

[no] feature netflow

Syntax Description

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

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 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 npiv

[no] feature npiv

Syntax Description

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

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 pnp

[no] feature pnp

Syntax Description

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

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 private-vlan

[no] feature private-vlan

Syntax Description

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

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 ptp

[no] feature ptp

Syntax Description

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

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 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 signature-verification

[no] feature signature-verification

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
signature-verification	Enable image signature verification

Command Mode

- /exec/configure

feature sla responder

[no] feature sla responder

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sla	Enable/Disable SLA
responder	Enable/Disable responder part of SLA

Command Mode

- /exec/configure

feature sla sender

[no] feature sla sender

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sla	Enable/Disable SLA
sender	Enable/Disable sender part of SLA

Command Mode

- /exec/configure

feature sla twamp-server

[no] feature sla twamp-server

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sla	Enable/Disable SLA
twamp-server	Enable/Disable twamp-server part of SLA

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

[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 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 udd

[no] feature udd

Syntax Description

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

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

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

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

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

[no] filter <filtername>

Syntax Description

filter	Specify the filter to be applied
filtername	filter name to be applied

Command Mode

- /exec/configure/nfm-system

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-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 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-count

[no] flow-count <count>

Syntax Description

flow-count	Flow count throttle for drop events
count	<1-32767>

Command Mode

- /exec/configure/config-fte-event/group-drop-events

flow-count

[no] flow-count <count>

Syntax Description

flow-count	Flow count throttle for drop events
count	<1-32767>

Command Mode

- /exec/configure/config-fte-event/group-latency-events

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 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 filter

[no] flow filter <filtername>

Syntax Description

flow	Enable/Disable NetFlow configuration
filter	Define a Flow filter
filtername	Filter name

Command Mode

- /exec/configure

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 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 profile

[no] flow profile <profilename>

Syntax Description

flow	Enable/Disable NetFlow configuration
profile	Define a Flow Profile
profilename	Profile name

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 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 rtp timeout

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

Syntax Description

flow	Enable/Disable NetFlow configuration
rtp	Real-time Transport Protocol
timeout	Define RTP Flow Error Monitoring Duration
time	Time in Minutes. Enter 0 to keep the flows even if they are idle

Command Mode

- /exec/configure

flow system config

[no] flow system config

Syntax Description

flow	Enable/Disable NetFlow configuration
system	Define a Flow system
config	Define a Flow system config

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)

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
rx_flowctrl	Receive flow control
send	Send pause frames
tx_flowctrl	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 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

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 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 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

format

format <uri1>

Syntax Description

format	Format disks
uri1	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

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
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> } } } | 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

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

fte event

[no] fte event <eventname>

Syntax Description

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

Command Mode

- /exec/configure/config-fte

fte exporter

[no] fte exporter <exportername>

Syntax Description

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

Command Mode

- /exec/configure/config-fte

fte monitor

[no] fte monitor <monitorname>

Syntax Description

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

Command Mode

- /exec/configure/config-fte

fte record

[no] fte record <recordname>

Syntax Description

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

Command Mode

- /exec/configure/config-fte

fte system monitor

[no] fte system monitor <monitorname>

Syntax Description

fte	change fte global settings
system	global config
monitor	fte Monitor to be applied
monitorname	ssx Monitor to be applied

Command Mode

- /exec/configure/config-fte

ftrace

```
ftrace [ { set-opt { option <n0> <v0> | filter <f0> <v0> } { proc <p0> | buf_size <b0> } [ <s0> ] } | { reset { all | filter <f0> | trace | <s0> } } | { enable { inband | kernel | lnd <i0> | process <i0> | trace } } | { list { filters <f0> | curr_tracer | all } } | { debug { on | off } } | { dump { all | traces } } ]
```

Syntax Description

ftrace	Run ftrace tool to enable/disable kernel/process tracing
set-opt	(Optional) Set ftrace tracing options available
reset	(Optional) Reset ftrace options to defaults, disable tracing
enable	(Optional) Enable ftrace tracing with given options
list	(Optional) List ftrace available options/filters/events
debug	(Optional) Ftrace based debug trace enable/disable
dump	(Optional) Dump traces collected in ftrace circular buffer
all	(Optional) Act on all available datasets
lnd	(Optional) Trace proc/pid specific lnd inband driver calls
inband	(Optional) Trace inband driver + netstack functions
kernel	(Optional) Trace kernel function of sched, net, inband
process	(Optional) Trace proc/pid specific kernel function calls
trace	(Optional) Enable tracing_on in ftrace settings
option	(Optional) Name of ftrace option to be set
filter	(Optional) Set ftrace filter to be applied
proc	(Optional) Set ftrace process to be traced
buf_size	(Optional) Set ftrace buffer size limits
filters	(Optional) list available ftrace filters
curr_tracer	(Optional) Print ftrace current tracer
traces	(Optional) Dump ftrace trace buffer contents
on	(Optional) Enable ftrace based debug tracing
off	(Optional) Dump ftrace trace buffer contents
i0	(Optional) pid of process to trace
f0	(Optional) name of ftrace filter to list/set

n0	(Optional) name of ftrace option to be set
v0	(Optional) value of ftrace option/filter to be set
p0	(Optional) pid of ftrace proc to be set
b0	(Optional) value of ftrace buffer size limit to set
s0	(Optional) name of ftrace option to be set/reset

Command Mode

- /exec

