



## F Commands

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## fabric-binding activate vsan

[no] fabric-binding activate vsan <i0> [ [ force ] [ no-auto-learn ] ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-binding	Fabric Binding configuration
activate	Activate Configured Fabric Bindings
vsan	VSAN id for fabric bindings
<i>i0</i>	VSAN range
force	(Optional) Activate even if it is an erroneous activation
no-auto-learn	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

- /exec/configure



# fabric-binding database copy vsan

fabric-binding database copy vsan <i0>

## Syntax Description

fabric-binding	Fabric binding
database	Fabric binding database
copy	Copy active to config database
vsan	VSAN Id
<i>i0</i>	VSAN range

## Command Mode

- /exec

## fabric-binding database diff active vsan

fabric-binding database diff active vsan <i0>

### Syntax Description

fabric-binding	Fabric binding
database	Fabric binding database
diff	Difference in fabric-binding database
active	Active database wrt Configured database
vsan	VSAN Id
<i>i0</i>	VSAN number

### Command Mode

- /exec

# fabric-binding database diff config vsan

fabric-binding database diff config vsan <i0>

## Syntax Description

fabric-binding	Fabric binding
database	Fabric binding database
diff	Difference in fabric-binding database
config	Configured database wrt Active database
vsan	VSAN Id
<i>i0</i>	VSAN number

## Command Mode

- /exec

## fabric-binding database vsan

[no] fabric-binding database vsan <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-binding	Fabric Binding configuration
database	Fabric Binding Config database
vsan	VSAN id for fabric bindings
<i>i0</i>	VSAN number

### Command Mode

- /exec/configure

## fabric-binding fip enable

[no] fabric-binding fip enable <fip\_id> <fip\_action\_id>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-binding	Fabric Binding configuration
fip	Fault Injection Point enabling or disabling
enable	Enabling FIP
<i>fip_id</i>	FIP Id
<i>fip_action_id</i>	FIP action ID

### Command Mode

- /exec/configure

# fabric-binding restart

fabric-binding restart

## Syntax Description

fabric-binding	Fabric Binding configuration
restart	Restart PSM Process using FIP

## Command Mode

- /exec

# fabric-port-channel vhba-reset

[no] fabric-port-channel vhba-reset

## Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-port-channel	Port on which this is feature is applied
vhba-reset	Send RSCNs to vhba on fabric-po member shut/down event

## Command Mode

- /exec/configure

# fabric-ready time

[no] fabric-ready time <sec>

## Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-ready	fabric ready time
time	time
<i>sec</i>	time in seconds

## Command Mode

- /exec/configure/if-nve



# 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

<code>fabric</code>	Fabric
<code>database</code>	Fabric Database
<code>auto-pull</code>	Pull configuration
<code>dci</code>	DCI profile
<code>vrf</code>	Display per-VRF information
<i>vrf-name</i>	VRF name
<code>node-id</code>	management ip address of this node
<i>mgmt-ip-address</i>	IP address in CIDR format
<code>peer-id</code>	(Optional) management ip address of peer
<i>peer-ip-address</i>	(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.
<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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface-id</i>	(Optional) Name of interface
mobility-domain	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<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 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 4096)
<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 mode anycast-gateway hybrid

[no] fabric forwarding mode anycast-gateway hybrid

### Syntax Description

no	(Optional) 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
hybrid	Hybrid 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

## factory-reset factory-reset module

factory-reset [ bypass-secure-erase ] [ preserve-image ] [ verbose ] [ force ] | factory-reset module <module> [ bypass-secure-erase ] [ preserve-image ] [ verbose ] [ force ]

### Syntax Description

factory-reset	Erase persistent storage and reset module to factory defaults
module	Per-module factory reset
<i>module</i>	Enter module number
bypass-secure-erase	(Optional) Bypass secure erase - reformat only
preserve-image	(Optional) Preserve system image
verbose	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

- /exec

## factory-reset module all

factory-reset module all [ bypass-secure-erase ] [ preserve-image ] [ verbose ] [ force ]

### Syntax Description

factory-reset	Erase persistent storage and reset module to factory defaults
module	Per-module factory reset
all	Select all modules
bypass-secure-erase	(Optional) Bypass secure erase - reformat only
preserve-image	(Optional) Preserve system image
verbose	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

- /exec

# 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.
<i>interval</i>	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
<i>uri</i>	Enter image uri

## Command Mode

- /exec

# fcalias clone vsan

```
fcalias clone <s0> <s1> vsan <i0>
```

## Syntax Description

fcalias	Fcalias configuration commands
clone	Fcalias clone command
<i>s0</i>	Current fcalias name
<i>s1</i>	New fcalias name
vsan	clone fcalias name on a vsan
<i>i0</i>	VSAN id

## Command Mode

- /exec/configure

## fcalias name vsan

[no] fcalias name <s0> vsan <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fcalias	Fcalias configuration commands
name	Configure an fcalias
s0	Enter the name of fcalias
vsan	Configure an fcalias on a VSAN
i0	VSAN id

### Command Mode

- /exec/configure

## fcalias rename vsan

```
fcalias rename <s0> <s1> vsan <i0>
```

### Syntax Description

fcalias	Fcalias configuration commands
rename	Fcalias rename command
<i>s0</i>	Current fcalias name
<i>s1</i>	New fcalias name
vsan	rename fcalias name on a vsan
<i>i0</i>	VSAN id

### Command Mode

- /exec/configure

# fcdomain abort vsan

[no] fcdomain abort vsan <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
abort	Flush cached data without committing and release lock
vsan	Specify the vsan id
<i>i0</i>	VSAN id

## Command Mode

- /exec/configure

## fcdomain allowed vsan

[no] fcdomain allowed <i0> vsan <i1>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
allowed	Configure allowed domain IDs
<i>i0</i>	Specify the allowed domain IDs
vsan	Specify the vsan id
<i>i1</i>	VSAN id

### Command Mode

- /exec/configure

# fcdomain commit vsan

[no] fcdomain commit vsan <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
commit	Commit cached data and release lock
vsan	Specify the vsan id
<i>i0</i>	VSAN id

## Command Mode

- /exec/configure

## fcdomain contiguous-allocation vsan

[no] fcdomain contiguous-allocation vsan <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
contiguous-allocation	Configure the contiguous allocation option
vsan	Specify the vsan range
<i>i0</i>	VSAN id range

### Command Mode

- /exec/configure



# fcdomain distribute

[no] fcdomain distribute

## Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
distribute	Enable fabric distribution using CFS

## Command Mode

- /exec/configure

## fcdomain domain

```
[no] fcdomain domain { <i0> { preferred vsan <i1> | static vsan1 <i2> } | <i3> { preferred vsan2 <i4> | static vsan3 <i5> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
domain	Configure the domain id and its type
<i>i0</i>	Configure the domain id in decimal, 0 not allowed for static dom
preferred	Configure the domain id as preferred
vsan	Specify the vsan range
<i>i1</i>	VSAN id range
static	Configure the domain id as static
vsan1	Specify the vsan range
<i>i2</i>	VSAN id range
<i>i3</i>	Configure the domain id in hexadecimal
preferred	Configure the domain id as preferred
vsan2	Specify the vsan range
<i>i4</i>	VSAN id range
static	Configure the domain id as static
vsan3	Specify the vsan range
<i>i5</i>	VSAN id range

### Command Mode

- /exec/configure

## fcdomain fabric-name vsan

[no] fcdomain fabric-name <wwn0> vsan <i1>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
fabric-name	Configure the fabric name
<i>wwn0</i>	Configure the fabric name value
vsan	Specify the vsan id
<i>i1</i>	VSAN id

### Command Mode

- /exec/configure

# fcdomain fcid database

[no] fcdomain fcid database

## Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
fcid	Configure fcdomain persistent FCIDs
database	Enter persistent FCIDs submode

## Command Mode

- /exec/configure

## fcdomain fcid persistent vsan

[no] fcdomain fcid persistent vsan <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
fcid	Configure fcdomain persistent FCIDs
persistent	Enable/disable fcdomain persistent FCIDs
vsan	Specify the vsan id
<i>i0</i>	VSAN id

### Command Mode

- /exec/configure

## fcdomain free-fcid

```
fcdomain free-fcid [ [ uuid <i0> ] [ [ fcid <i1> ] [ [ whole-area ] [ [ wwn <wwn2> ] [ vsan <i3> ] ] ] ] ] ]
```

### Syntax Description

fcdomain	fcdomain internal command
free-fcid	Free FCIDs based on WWN, UUID
uuid	(Optional) Specify the requester UUID
<i>i0</i>	(Optional) requester UUID
fcid	(Optional) Specify the fcid
<i>i1</i>	(Optional) FCID
whole-area	(Optional) Specify if a full area is requested
wwn	(Optional) Specify the requester's WWN
<i>wwn2</i>	(Optional) requester's WWN
vsan	(Optional) Specify the VSAN index
<i>i3</i>	(Optional) VSAN id range

### Command Mode

- /exec

# fcdomain optimize

[no] fcdomain optimize { fast-restart vsan <i0> | selective-restart vsan1 <i1> | scale-restart vsan2 <i2> | all vsan3 <i3> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
optimize	Enable optimized fcdomain behavior
fast-restart	Fast fabric reconfiguration (Fast BF)
vsan	Specify a list of vsan ranges
<i>i0</i>	VSAN id range
selective-restart	Selective fabric reconfiguration (Selective BF/RCF)
vsan1	Specify a list of vsan ranges
<i>i1</i>	VSAN id range
scale-restart	Scale restart (Consolidated EFP)
vsan2	Specify a list of vsan ranges
<i>i2</i>	VSAN id range
all	Enable all optimizations
vsan3	Specify a list of vsan ranges
<i>i3</i>	VSAN id range

## Command Mode

- /exec/configure

# fcdomain priority vsan

[no] fcdomain priority <i0> vsan <i1>

## Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
priority	Configure the priority
<i>i0</i>	Specify the priority value
vsan	Specify the vsan range
<i>i1</i>	VSAN id range

## Command Mode

- /exec/configure



## fcdomain rcf-reject vsan

[no] fcdomain rcf-reject vsan <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Configure fcdomain parameters
rcf-reject	Configure the rcf-reject flag
vsan	Specify the vsan range
<i>i0</i>	VSAN id range

### Command Mode

- /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-fcip /exec/configure/if-tunnel /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vfc

# 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
<i>i0</i>	network latency in milliseconds
vsan	(Optional) VSAN id range
<i>i1</i>	(Optional)
switch	switch latency in milliseconds
<i>i2</i>	switch latency in milliseconds

## Command Mode

- /exec/configure

## fcid-allocation area company-id

[no] fcid-allocation area company-id <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
fcid-allocation	Add/remove company id(or OUIs) from auto area list
area	Add/remove company ids(or OUIs) to auto area list
company-id	Company id (or OUI)
<i>i0</i>	Enter company id(or OUI) (0xhhhhh)

### Command Mode

- /exec/configure

# fcinterop fcid-allocation

[no] fcinterop fcid-allocation { auto | flat | none }

## Syntax Description

no	(Optional) Negate a command or set its defaults
fcinterop	Interop commands
fcid-allocation	Configure fcid interop mode
auto	Assign single fcid to compatible HBA's
flat	Assign single fcid
none	Assign fcid range

## Command Mode

- /exec/configure

# fcinterop loop-monitor

[no] fcinterop loop-monitor

## Syntax Description

no	(Optional) Negate a command or set its defaults
fcinterop	Interop commands
loop-monitor	Configure monitoring of NL ports in loop

## 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
<i>i0</i>	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
<i>i0</i>	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
<i>i0</i>	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
<i>tran-id</i>	Enter VSAN-ID being associated with VLAN-ID

## Command Mode

- /exec/configure/vlan

# fcping

```
fcping { device-alias <s0> vsan <i0> [ [ count <i1> ] [ [ timeout <i2> ] [ usr-priority <i3> ] ] ] | fcid <i4>
vsan1 <i5> [ [ count1 <i6> ] [ [ timeout1 <i7> ] [ usr-priority1 <i8> ] ] ] | pwwn <wwn9> vsan2 <i10> [ [
count2 <i11> ] [ [ timeout2 <i12> ] [ usr-priority2 <i13> ] ] ] }
```

## Syntax Description

fcping	Ping an N-Port
device-alias	Device-alias of the destination N-Port
<i>s0</i>	Enter device-alias name
vsan	vsan id of the destination N Port.
<i>i0</i>	The VSAN Number.
count	(Optional) Number of frames to send. A value of 0 sends forever.
<i>i1</i>	(Optional) Frame count
timeout	(Optional) The timeout value.
<i>i2</i>	(Optional) Timeout in seconds
usr-priority	(Optional) The priority the frame receives in the switch fabric
<i>i3</i>	(Optional) User priority
fcid	FC-id of the destination N-Port
<i>i4</i>	The FC-id
vsan1	vsan id of the destination N Port.
<i>i5</i>	The VSAN number.
count1	(Optional) Number of frames to send. A value of 0 sends forever.
<i>i6</i>	(Optional) Frame count
timeout1	(Optional) The timeout value.
<i>i7</i>	(Optional) Timeout in seconds
usr-priority1	(Optional) The priority the frame receives in the switch fabric
<i>i8</i>	(Optional) User priority
pwwn	PWWN of the destination N-Port
<i>wwn9</i>	The Port WWN
vsan2	vsan id of the destination N Port.

<i>i10</i>	The VSAN Number.
count2	(Optional) Number of frames to send. A value of 0 sends forever.
<i>i11</i>	(Optional) Frame count
timeout2	(Optional) The timeout value.
<i>i12</i>	(Optional) Timeout in seconds
usr-priority2	(Optional) The priority the frame receives in the switch fabric
<i>i13</i>	(Optional) User priority

**Command Mode**

- /exec

# fcs plat-check-global vsan

[no] fcs plat-check-global vsan <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
plat-check-global	Platform Name/Node Name checking to be done fabric-wide
vsan	VSAN id for plat checking
<i>i0</i>	VSAN number

## Command Mode

- /exec/configure



# fcs register

[no] fcs register

## Syntax Description

no	(Optional) Negate a command or set its defaults
register	Register FCS attributes

## Command Mode

- /exec/configure

## fcs virtual-device-add

[no] fcs virtual-device-add [ vsan-ranges <i0> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
virtual-device-add	Include Virtual devices in response
vsan-ranges	(Optional) VSAN Id
<i>i0</i>	(Optional) Enter upto 32 ranges of VSAN identifiers

### Command Mode

- /exec/configure

## 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)
<i>i0</i>	D_S_TOV in milliseconds(5000-10000)
vsan	(Optional) Specify VSAN id
<i>i1</i>	(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)
<i>i0</i>	E_D_TOV in milliseconds(1000-4000)
vsan	(Optional) Specify VSAN id
<i>i1</i>	(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)
<i>i0</i>	R_A_TOV in milliseconds(5000-10000)
vsan	(Optional) Specify VSAN id
<i>i1</i>	(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



# fctrace

```
fctrace { device-alias <s0> vsan <i0> [ timeout <i1> ] | fcid <fcid2> vsan1 <i3> [ timeout1 <i4> ] | pwwn
<wwn5> vsan2 <i6> [ timeout2 <i7> ] }
```

## Syntax Description

fctrace	Trace the route for an N-Port.
device-alias	Device-alias of the destination N-Port
<i>s0</i>	Enter device-alias name
vsan	vsan id of the destination N Port.
<i>i0</i>	The VSAN Number.
timeout	(Optional) The timeout value.
<i>i1</i>	(Optional) Timeout in seconds
fcid	FC-id of the destination N-Port
<i>fcid2</i>	The FC-id
vsan1	vsan id of the destination N Port.
<i>i3</i>	The VSAN Number.
timeout1	(Optional) The timeout value.
<i>i4</i>	(Optional) Timeout in seconds
pwwn	PWWN of the destination N-Port
<i>wwn5</i>	The Port WWN
vsan2	vsan id of the destination N Port.
<i>i6</i>	The VSAN Number.
timeout2	(Optional) The timeout value.
<i>i7</i>	(Optional) Timeout in seconds

## Command Mode

- /exec

# fctrace module

[no] fctrace module { all | <i0> }

## Syntax Description

no	Negate a command or set its defaults
fctrace	Trace the route for an N-Port.
module	Disable FCTrace on a specific module.
all	Disable FCTrace on all Gen-3 modules.
<i>i0</i>	Module Number on which FCTrace should be disabled.

## Command Mode

- /exec/configure

## fdmi suppress-updates vsan

[no] fdmi suppress-updates vsan <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-updates	suppress FDMIs updates
vsan	VSAN id
<i>i0</i>	VSAN id range

### 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-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 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 app-hosting

[no] feature app-hosting

## Syntax Description

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

## 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 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 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 epbr

[no] feature epbr

## Syntax Description

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

## 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 flexlink

[no] feature flexlink

## Syntax Description

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

## Command Mode

- /exec/configure

# feature fport-channel-trunk

[no] feature fport-channel-trunk

## Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
fport-channel-trunk	Enable/Disable Trunking F Ports and channels

## Command Mode

- /exec/configure

# feature frequency-synchronization

[no] feature frequency-synchronization

## Syntax Description

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

## Command Mode

- /exec/configure

# feature grpc

[no] feature grpc

## Syntax Description

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

## Command Mode

- /exec/configure

# feature grpctunnel

[no] feature grpctunnel

## Syntax Description

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

## 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 intersight

[no] feature intersight

## Syntax Description

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

## 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 macsec

[no] feature macsec

## Syntax Description

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

## Command Mode

- /exec/configure

# feature mdns

[no] feature mdns

## Syntax Description

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

## Command Mode

- /exec/configure

# feature mpls evpn

[no] feature mpls evpn

## Syntax Description

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

## Command Mode

- /exec/configure

# feature mpls l3vpn

[no] feature mpls l3vpn

## Syntax Description

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

## Command Mode

- /exec/configure

# feature mpls oam

[no] feature mpls oam

## Syntax Description

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

## Command Mode

- /exec/configure

# feature mpls segment-routing

[no] feature mpls segment-routing

## Syntax Description

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

## Command Mode

- /exec/configure



# feature mpls segment-routing traffic-engineering

[no] feature mpls segment-routing traffic-engineering

## Syntax Description

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

## 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 nbm

[no] feature nbm

## Syntax Description

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

## Command Mode

- /exec/configure

# feature netconf

[no] feature netconf

## Syntax Description

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

## 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 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 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 npiv

[no] feature npiv

## Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
npiv	Enable/Disable Nx port Id Virtualization (NPIV)

## 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 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 ofm

[no] feature ofm

## Syntax Description

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

## Command Mode

- /exec/configure

# feature openconfig

[no] feature openconfig

## Syntax Description

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

## 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 [ tam ]

### 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
tam	(Optional) Encrypt type-6 master-key using hardware Trust Anchor Module(TAM)

### 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 poe

[no] feature poe

## Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable a feature
poe	Enable/Disable Power over Ethernet(PoE) feature

## 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 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 restconf

[no] feature restconf

## Syntax Description

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

## 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 srv6

[no] feature srv6

## Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
srv6	Enable/Disable SRv6

## 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 tap-aggregation

[no] feature tap-aggregation

## Syntax Description

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

## 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-encryption

[no] feature tunnel-encryption

## Syntax Description

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

## 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 UDLD

## Command Mode

- /exec/configure

# feature vmtracker

[no] feature vmtracker

## Syntax Description

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

## Command Mode

- /exec/configure

# 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
<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

# file-server

[no] file-server <port>

## Syntax Description

no	(Optional) Negate a command or set its defaults
file-server	Hosts a file-server to a particular directory
<i>port</i>	Port number. Please do not use well-known protocol ports

## Command Mode

- /exec/configure

# 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

[no] filter <filtername>

## Syntax Description

filter	Specify the filter to be applied
<i>filtername</i>	filter name to be applied

## Command Mode

- /exec/configure/analytics/system

# filter

[no] filter <filtername>

## Syntax Description

filter	Specify the filter to be applied
<i>filtername</i>	filter name to be applied

## Command Mode

- /exec/configure/nfm-system



# filter access-group

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

## Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
access-group	access control group
<i>vacl-name</i>	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 file

filter file { <file-name> | parser-v1.0.json } [ md5 <md5-hash-value> ] | no filter

### Syntax Description

no	Negate a command or set its defaults
filter	Specify filter
file	Filename
md5	(Optional) md5 hash value
<i>file-name</i>	filter filename
parser-v1.0.json	Data filtering and transformation input file. version 1.0
<i>md5-hash-value</i>	(Optional) md5 hash value (32 characters) associated with this filter

### Command Mode

- /exec/configure/telemetry/destination-group

# filter ip

[no] filter ip <src\_ip> <src\_mask> <dst\_ip> <dst\_mask>

## Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Set SPAN filter options
ip	Set SPAN IP filtering options
<i>src_ip</i>	Set source IP address
<i>src_mask</i>	Set source IP mask
<i>dst_ip</i>	Set destination IP address
<i>dst_mask</i>	Set destination IP mask

## Command Mode

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

## filter ip access-list

[no] filter ip access-list <aclname>

### Syntax Description

filter	Filter configuration
ip	IPv4 Filter
access-list	access-list
<i>aclname</i>	access control list name

### Command Mode

- /exec/configure/config-buffer-latency-monitor

# filter ip access-list

[no] filter ip access-list <aclname>

## Syntax Description

filter	Filter configuration
ip	IPv4 Filter
access-list	access-list
<i>aclname</i>	access control list name

## Command Mode

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

# filter ip access-list

[no] filter ip access-list <aclname>

## Syntax Description

filter	Filter configuration
ip	IPv4 Filter
access-list	access-list
<i>aclname</i>	access control list name

## Command Mode

- /exec/configure/config-buffer-drop-monitor

# filter ipv6 access-group

[no] filter ipv6 access-group <vacl-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
<i>vacl-name</i>	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-list

[no] filter ipv6 access-list <aclname>

### Syntax Description

filter	Filter configuration
ipv6	IPv6 Filter
access-list	access-list
<i>aclname</i>	IPv6 access control list name

### Command Mode

- /exec/configure/config-buffer-latency-monitor



# filter ipv6 access-list

[no] filter ipv6 access-list <aclname>

## Syntax Description

filter	Filter configuration
ipv6	IPv6 Filter
access-list	access-list
<i>aclname</i>	IPv6 access control list name

## Command Mode

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

## filter ipv6 access-list

[no] filter ipv6 access-list <aclname>

### Syntax Description

filter	Filter configuration
ipv6	IPv6 Filter
access-list	access-list
<i>aclname</i>	IPv6 access control list name

### Command Mode

- /exec/configure/config-buffer-drop-monitor

# 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-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

# filter remove

filter remove <seqno>

## Syntax Description

filter	Define a 5-tuple filter
remove	Remove a configured filter
<i>seqno</i>	Sequence number

## Command Mode

- /exec/flow-path-tracer

# filter tx control-packets

[no] filter tx control-packets

## Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Set SPAN filter options
tx	Set SPAN tx filtering options
control-packets	Filter out CPU generated packets and SPAN only data packets

## Command Mode

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

# filter vlan

[no] filter vlan <vlan\_mrange> [ include-untagged ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
vlan	Vlan type
<i>vlan_mrange</i>	
include-untagged	(Optional) Include untagged frames on port with Layer 3 subinterfaces

## Command Mode

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

# filter vlan include-untagged

[no] filter vlan include-untagged

## Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
vlan	Vlan type
include-untagged	Include untagged frames on port with Layer 3 subinterfaces

## Command Mode

- /exec/configure/config-monitor

# 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 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
<i>count</i>	<1-32767>

## Command Mode

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

# flow-count

[no] flow-count <count>

## Syntax Description

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

## Command Mode

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

# flow-path-tracer

flow-path-tracer

## Syntax Description

flow-path-tracer	Enable Flow Path Tracer
------------------	-------------------------

## Command Mode

- /exec

# flow collect tunnel-header

[no] flow collect tunnel-header

## Syntax Description

flow	Analytics
collect	Enable collection
tunnel-header	Collect header data for tunneled packets

## Command Mode

- /exec/configure/analytics

# flow collect tunnel-header

[no] flow collect tunnel-header

## Syntax Description

flow	Netflow
collect	Enable collection
tunnel-header	Collect header data for tunneled packets

## Command Mode

- /exec/configure

# flow collect tunnel-header

[no] flow collect tunnel-header

## Syntax Description

flow	Analytics
collect	Enable collection
tunnel-header	Collect header data for tunneled packets

## Command Mode

- /exec/configure

# flow event

[no] flow event <eventname>

## Syntax Description

flow	Enable/Disable Analytics configuration
event	Define a event
<i>eventname</i>	Event name

## Command Mode

- /exec/configure



# flow event

[no] flow event <eventname>

## Syntax Description

flow	Enable/Disable Analytics configuration
event	Define a event
<i>eventname</i>	Event name

## Command Mode

- /exec/configure/analytics

# flow exporter

[no] flow exporter <exportername>

## Syntax Description

flow	Enable/Disable Mixed Mode Analytics configuration
exporter	Define a Flow Exporter
<i>exportername</i>	Name of Flow Exporter

## Command Mode

- /exec/configure/analytics

# 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 exporter

[no] flow exporter <exportername>

## Syntax Description

flow	Enable/Disable Analytics configuration
exporter	Define a Flow Exporter
<i>exportername</i>	Name of Flow Exporter

## Command Mode

- /exec/configure

# flow filter

[no] flow filter <filtername>

## Syntax Description

flow	Enable/Disable Analytics configuration
filter	Define a Flow filter
<i>filtername</i>	Filter name

## Command Mode

- /exec/configure

# flow filter

[no] flow filter <filtername>

## Syntax Description

flow	NetFlow related commands
filter	Apply a Flow Filter to this VRF
<i>filtername</i>	Name of Flow Filter

## Command Mode

- /exec/configure/vrf

# flow filter

[no] flow filter <filtername>

## Syntax Description

flow	Analytics related commands
filter	Apply a Analytics Filter to this interface
<i>filtername</i>	Name of Flow Filter

## Command Mode

- /exec/configure/if-vlan /exec/configure/if-eth-port-channel /exec/configure/if-igp

# flow filter

[no] flow filter <filtername>

## Syntax Description

flow	Analytics related commands
filter	Apply a Analytics Filter to this interface
<i>filtername</i>	Name of Flow Filter

## Command Mode

- /exec/configure/vlan-config



# flow filter

[no] flow filter <filtername>

## Syntax Description

flow	Enable/Disable Analytics configuration
filter	Define a Flow filter
<i>filtername</i>	Filter name

## Command Mode

- /exec/configure

# flow filter

[no] flow filter <filtername>

## Syntax Description

flow	NetFlow related commands
filter	Apply a Flow Filter to this VRF
<i>filtername</i>	Name of Flow Filter

## Command Mode

- /exec/configure/vrf

# flow filter

[no] flow filter <filtername>

## Syntax Description

flow	Analytics related commands
filter	Apply a Analytics Filter to this interface
<i>filtername</i>	Name of Flow Filter

## Command Mode

- /exec/configure/if-vlan /exec/configure/if-eth-port-channel /exec/configure/if-igp

# flow filter

[no] flow filter <filtername>

## Syntax Description

flow	Analytics related commands
filter	Apply a Analytics Filter to this interface
<i>filtername</i>	Name of Flow Filter

## Command Mode

- /exec/configure/vlan-config

# 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 monitor

[no] flow monitor <monitorname>

## Syntax Description

flow	Enable/Disable analytics configuration
monitor	Define a Flow Monitor
<i>monitorname</i>	Name of Flow Monitor

## Command Mode

- /exec/configure/analytics

# flow monitor

[no] flow monitor <monitorname>

## Syntax Description

flow	Enable/Disable analytics configuration
monitor	Define a Flow Monitor
<i>monitorname</i>	Name of Flow Monitor

## Command Mode

- /exec/configure

## flow policy

```
[no] flow { policy <policy-name> } [ { vlan <vlans> } { match [ ipv4-acl <ipv4-acl-name> ] [ ipv6-acl <ipv6-acl-name> ] [ mac-acl <mac-acl-name> ] [ direction <direction> ] [ next-hop-vrf { <nh-vrf-name> | default } ] } { redirect vtep-ip <next-hop> } ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
flow	Flow management
policy	specify policy name
<i>policy-name</i>	Flow Policy name
vlan	(Optional) apply to vlan
<i>vlans</i>	(Optional) List of VLANs
match	(Optional) match criteria
ipv4-acl	(Optional) specify ipv4-acl
<i>ipv4-acl-name</i>	(Optional) IPv4-ACL name
ipv6-acl	(Optional) specify ipv6-acl
<i>ipv6-acl-name</i>	(Optional) IPv6-ACL name
mac-acl	(Optional) specify mac-acl
<i>mac-acl-name</i>	(Optional) mac-ACL name
direction	(Optional) specify policy direction
<i>direction</i>	(Optional) direction of access or core
next-hop-vrf	(Optional) specify nexthop vrf
default	(Optional) Default next hop VRF
<i>nh-vrf-name</i>	(Optional) VRF name
redirect	(Optional) specify redirect
vtep-ip	(Optional) specify vtep-ip
<i>next-hop</i>	(Optional) IP next-hop address in format i.i.i.i

### Command Mode

- /exec/configure/tunnel-profile



# flow profile

[no] flow profile <profilename>

## Syntax Description

flow	Enable/Disable Analytics configuration
profile	Define a Flow Profile
<i>profilename</i>	Profile name

## Command Mode

- /exec/configure

# flow profile

[no] flow profile <profilename>

## Syntax Description

flow	Enable/Disable Analytics configuration
profile	Define a Flow Profile
<i>profilename</i>	Profile name

## Command Mode

- /exec/configure/analytics

# 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 record

[no] flow record <recordname>

## Syntax Description

flow	Enable/Disable analytics configuration
record	Define a Flow Record
<i>recordname</i>	Record name

## Command Mode

- /exec/configure/analytics

# flow record

[no] flow record <recordname>

## Syntax Description

flow	Enable/Disable analytics configuration
record	Define a Flow Record
<i>recordname</i>	Record name

## Command Mode

- /exec/configure

# flow rtp history

{ [ no ] flow rtp history <size> | no flow rtp history }

## Syntax Description

flow	Enable/Disable NetFlow configuration
rtp	Real-time Transport Protocol
history	Define RTP Flow Error history size
<i>size</i>	# of records to retain in history. 0 to discard to not maintain any history.

## 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
<i>time</i>	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 Analytics configuration
system	Define a Flow system
config	Define a Flow system config

## Command Mode

- /exec/configure



# flow system config

[no] flow system config

## Syntax Description

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

## Command Mode

- /exec/configure/analytics

## flow terminate interface

flow terminate interface { <interface-list> | add <add-interface-list> | remove <remove-interface-list> } | no  
flow terminate interface

### Syntax Description

no	Negate a command or set its defaults
flow	Flow management
interface	list of interfaces
<i>interface-list</i>	range of interfaces for flow information
add	list of new interfaces to append to old list
<i>add-interface-list</i>	range of interfaces to be added for flow information
remove	list of interfaces to be removed from the existing list
<i>remove-interface-list</i>	range of interfaces to be removed for flow information
terminate	terminate the tunnel on the interfaces

### Command Mode

- /exec/configure/tunnel-profile

# flow timeout

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

## Syntax Description

flow	Enable/Disable analytics configuration
timeout	Define a Flow Timeout
<i>time</i>	Time in seconds (flush-cache-Only)

## 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

# flow timeout

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

## Syntax Description

flow	Enable/Disable analytics configuration
timeout	Define a Flow Timeout
<i>time</i>	Time in seconds (flush-cache-Only)

## Command Mode

- /exec/configure/analytics

# 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 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 non-graceful controlled restart

## Command Mode

- /exec/configure/router-isis

# flush-routes

[no] flush-routes

## Syntax Description

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

## Command Mode

- /exec/configure/router-ospf3

# flush-routes

[no] flush-routes

## Syntax Description

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

## Command Mode

- /exec/configure/router-eigrp

# flush-routes

[no] flush-routes

## Syntax Description

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

## Command Mode

- /exec/configure/router-ospf

# 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

# 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

# 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

# frequency milliseconds

frequency milliseconds <milliseconds>

## Syntax Description

frequency	Frequency of an operation
milliseconds	Frequency will be taken as milliseconds
<i>milliseconds</i>	Frequency in milliseconds

## Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho

# frequency synchronization

[no] frequency synchronization

## Syntax Description

no	(Optional) Negate a command or set its defaults
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager

## Command Mode

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

# frequency synchronization

[no] frequency synchronization

## Syntax Description

no	(Optional) Negate a command or set its defaults
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager

## Command Mode

- /exec/configure/clock-if



# frequency synchronization

[no] frequency synchronization

## Syntax Description

no	(Optional) Negate a command or set its defaults
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager

## Command Mode

- /exec/configure/gnss-if

# 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

# fspf

```
[no] fspf { cost <i0> vsan <i1> | dead-interval <i2> vsan1 <i3> | hello-interval <i4> vsan2 <i5> | passive
vsan3 <i6> | retransmit-interval <i7> vsan4 <i8> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
cost	Configure FSPF link cost
<i>i0</i>	FSPF link cost
vsan	Enter VSAN
<i>i1</i>	VSAN id range
dead-interval	Configure FSPF dead interval
<i>i2</i>	dead interval (in sec)
vsan1	Enter VSAN
<i>i3</i>	VSAN id range
hello-interval	Configure FSPF hello-interval
<i>i4</i>	hello interval (in sec)
vsan2	Enter VSAN
<i>i5</i>	VSAN id range
passive	Enable/disable FSPF on the interface
vsan3	Enter VSAN
<i>i6</i>	VSAN id range
retransmit-interval	Configure FSPF retransmit interval
<i>i7</i>	retransmit interval (in sec)
vsan4	Enter VSAN
<i>i8</i>	VSAN id range

## Command Mode

- /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-fcipc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vfc

# fspf config vsan

[no] fspf config vsan <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
config	Enter the FSPF config mode
vsan	Enter VSAN
<i>i0</i>	VSAN id range

## Command Mode

- /exec/configure

# fspf enable vsan

[no] fspf enable vsan <i0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
enable	Enable/disable FSPF
vsan	Enter VSAN
<i>i0</i>	VSAN id range

## Command Mode

- /exec/configure

# fsync clock-identity

fsync clock-identity <mac-address> | no fsync clock-identity

## Syntax Description

fsync	Frequency Synchronization Manager
clock-identity	clock-identity
<i>mac-address</i>	Mac Address

## Command Mode

- /exec/configure

## fsync esmc peer receive timeout

fsync esmc peer receive timeout { 0 | <value> } | no fsync esmc peer receive timeout [ [ 0 | <value> ] ]

### Syntax Description

no	Negate a command or set its defaults
fsync	Frequency Synchronization Manager
esmc	Ethernet Synchronization Messaging Channel
peer	peer ESMC
receive	receive timer to be configured during upgrade
timeout	ESMC rcv timeout value in secs
0	0 disables modify peer esmc rcv timer
<i>value</i>	ESMC rcv timeout in secs. Enter a value between 120 and 600

### Command Mode

- /exec/configure



# fsync quality itu-t option

[no] fsync quality itu-t option { 1 | 2 generation { 1 | 2 } }

## Syntax Description

no	(Optional) Negate a command or set its defaults
fsync	Frequency Synchronization Manager
quality	ITU-T QL options
itu-t	ITU-T QL options
option	ITU-T QL options
1	ITU-T QL option 1 (default)
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
2	ITU-T QL option 2 generation 2

## Command Mode

- /exec/configure

# fsync transmit dnu lag-members

[no] fsync transmit dnu lag-members

## Syntax Description

no	(Optional) Negate a command or set its defaults
fsync	Frequency Synchronization Manager
transmit	transmit
dnu	DNU QL type
lag-members	members of link aggregation or PO

## Command Mode

- /exec/configure

# 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/config-fte

# 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/config-fte

# 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/config-fte

# 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/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
<i>monitorname</i>	fte 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
<i>i0</i>	(Optional) pid of process to trace
<i>f0</i>	(Optional) name of ftrace filter to list/set



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

**Command Mode**

- /exec

