



## F Commands

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# fabric-external

**fabric-external** <NUMBER>

**Description:** Intrasite/Intersite Connectivity Profile

**Syntax:**

|      |   |
|------|---|
| <ID> | Fabric ID. Number range from=0 to=9223372036854775807 |
|------|---|

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
```

# fabric-interface ethernet

## fabric-interface ethernet

**Description:** Ethernet IEEE 802.3z

**Syntax:**

|            |                 |
|------------|-----------------|
| <i>arg</i> | interface range |
|------------|-----------------|

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fabric-interface ethernet
```

## fabric-interface ethernet

**Description:** Ethernet IEEE 802.3z

**Syntax:**

|            |                 |
|------------|-----------------|
| <i>arg</i> | interface range |
|------------|-----------------|

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fabric-interface ethernet
```

# fabric clear

**fabric <nodes> clear <scope>**

**Description:** clear switch information

**Syntax:**

|                      |                |
|----------------------|----------------|
| <i>&lt;nodes&gt;</i> | node list      |
| <i>&lt;scope&gt;</i> | switch command |

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# fabric <nodes> clear <scope>
```

**Usage Notes:**

When clearing virtual fibre channel (VFC) interface counters using the **fabric node clearcounters interface vfc slot/port** command, allow up to eight seconds after sending the command for the counters to clear.

# fabric show

**fabric <nodes> show <scope>**

**Description:** Show switch information

**Syntax:**

|                      |                |
|----------------------|----------------|
| <i>&lt;nodes&gt;</i> | node list      |
| <i>&lt;scope&gt;</i> | switch command |

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# fabric <nodes> show <scope>
```

# fail-auth-epg

**fail-auth-epg tenant <arg> application <arg> epg <arg>**

**Description:** Set default EPg name if authentication fails

**Syntax:**

|             |                                    |
|-------------|------------------------------------|
| tenant      | Tenant hosting the EPg             |
| <i>arg</i>  |                                    |
| application | Application Name                   |
| <i>arg</i>  |                                    |
| epg         | Deploy EPg if authentication fails |
| <i>arg</i>  |                                    |

**Command Mode:** policy-map type port-authentication : Create node level port authentication policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# policy-map type port-authentication <WORD>
(config-pmap-port-authentication)# fail-auth-epg tenant <> application <> epg <>
```

# fail-auth-vlan

**fail-auth-vlan <vlan-id>**

**Description:** Set default vlan encap if authentication fails

**Syntax:**

|                              |                   |
|------------------------------|-------------------|
| <code>&lt;vlan-id&gt;</code> | Configure Vlan ID |
|------------------------------|-------------------|

**Command Mode:** policy-map type port-authentication : Create node level port authentication policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# policy-map type port-authentication <WORD>
(config-pmap-port-authentication)# fail-auth-vlan <vlan-id>
```



# fc-channel-group

## fc-channel-group <WORD>

**Description:** Associate a Channel Group to this Interface

**Syntax:**

|             |                                 |
|-------------|---------------------------------|
| <i>WORD</i> | Port-Channel name (Max Size 64) |
|-------------|---------------------------------|

**Command Mode:** interface fc : FC Interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# fc-channel-group <WORD>
```

## fc-channel-group <WORD>

**Description:** Associate a Channel Group to this Interface

**Syntax:**

|             |                                 |
|-------------|---------------------------------|
| <i>WORD</i> | Port-Channel name (Max Size 64) |
|-------------|---------------------------------|

**Command Mode:** interface fc : FC Interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# fc-channel-group <WORD>
```

# fc-policy-group

## fc-policy-group <WORD>

**Description:** Associate an FC Interface Policy Group to this Interface Group

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | FC Interface Policy Group Name (Max Size 64) |
|-------------|--|

**Command Mode:** leaf-interface-group : Configure Leaf Interface Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# fc-policy-group <WORD>
```

## fc-policy-group <WORD>

**Description:** Convert interface to FC and Associate FC Policy Group

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | FC Interface Policy Group Name (Max Size 64) |
|-------------|--|

**Command Mode:** interface fc : FC Interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
(config-leaf-fc-if)# fc-policy-group <WORD>
```

## fc-policy-group <WORD>

**Description:** Convert interface to FC and Associate FC Policy Group

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | FC Interface Policy Group Name (Max Size 64) |
|-------------|--|

**Command Mode:** interface fc : FC Interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
(config-leaf-fc-if)# fc-policy-group <WORD>
```

# fc

## fc

**Description:** Enable fc BD

**Command Mode:** bridge-domain : Configuration for bridge-domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# fc
```

# fcoe

## fcoe vsan <NUMBER> vlan <NUMBER>

**Description:** Configure fcoe parameters

**Syntax:**

|           |  |
|-----------|--|
| vsan      | Configure Vsan ID                              |
| <vsan-id> | Configure Vsan ID. Number range from=1 to=4093 |
| vlan      | Configure Vlan ID                              |
| <vlan-id> | Configure Vlan ID. Number range from=1 to=4094 |

**Command Mode:** vsan-domain : Configure vsan domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
(config-vsan)# fcoe vsan <NUMBER> vlan <NUMBER>
```

## fcoe fcmmap <WORD>

**Description:** Configure fcoe parameters

**Syntax:**

|             |  |
|-------------|--|
| fcmmap      | FC Map   |
| <i>WORD</i> | Configure FC Map, range is from 0E:FC:00 to 0E:FC:FF |

**Command Mode:** template fc-fabric-policy : Configure FC Fabric Policy(Max Size 64)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template fc-fabric-policy <WORD>
(config-fc-fabric-policy)# fcoe fcmmap <WORD>
```

## fcoe vsan <NUMBER> vlan <NUMBER>

**Description:** Configure fcoe parameters

**Syntax:**

|           |  |
|-----------|--|
| vsan      | Configure Vsan ID                              |
| <vsan-id> | Configure Vsan ID. Number range from=1 to=4093 |
| vlan      | Configure Vlan ID                              |

|           |  |
|-----------|--|
| <vlan-id> | Configure Vlan ID. Number range from=1 to=4094 |
|-----------|--|

**Command Mode:** template vsan-attribute : Configure Vsan Attributes(Max Size 64)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template vsan-attribute <WORD>
(config-vsan-attr)# fcoe vsan <NUMBER> vlan <NUMBER>
```

## fcoe fcmmap

### fcoe fcmmap <WORD>

**Description:** Configure FC Map

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Configure FC Map, range is from 0E:FC:00 to 0E:FC:FF |
|-------------|--|

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fcoe fcmmap <WORD>
```

### fcoe fcmmap <WORD>

**Description:** Configure FC Map

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Configure FC Map, range is from 0E:FC:00 to 0E:FC:FF |
|-------------|--|

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fcoe fcmmap <WORD>
```

# fcoe fka-adv-period

## fcoe fka-adv-period <NUMBER>

**Description:** Configure FIP Keep Alive Interval

**Syntax:**

|            |   |
|------------|---|
| <interval> | FIP Keep Alive Timer. Number range from=4 to=60 |
|------------|---|

**Command Mode:** template fc-leaf-policy : Configure FC Leaf Policy(Max Size 64)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template fc-leaf-policy <WORD>
(config-fc-leaf-policy)# fcoe fka-adv-period <NUMBER>
```

## fcoe fka-adv-period <NUMBER>

**Description:** Configure FIP Keep Alive Interval

**Syntax:**

|            |   |
|------------|---|
| <interval> | FIP Keep Alive Timer. Number range from=4 to=60 |
|------------|---|

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fcoe fka-adv-period <NUMBER>
```

## fcoe fka-adv-period <NUMBER>

**Description:** Configure FIP Keep Alive Interval

**Syntax:**

|            |   |
|------------|---|
| <interval> | FIP Keep Alive Timer. Number range from=4 to=60 |
|------------|---|

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fcoe fka-adv-period <NUMBER>
```

## fcoe vsan vlan loadbalancing

**fcoe vsan <NUMBER> vlan <NUMBER> loadbalancing src-dst-id|src-dst-ox-id**

**Description:** Configure loadbalancing

**Syntax:**

|               |  |
|---------------|--|
| vsan          | Configure Vsan ID                              |
| <vsan-id>     | Configure Vsan ID. Number range from=1 to=4093 |
| vlan          | Configure Vlan ID                              |
| <vlan-id>     | Configure Vlan ID. Number range from=1 to=4094 |
| src-dst-id    | Load balaning based on src-dst-id              |
| src-dst-ox-id | Load balaning based on the src-dst-ox-id       |

**Command Mode:** vsan-domain : Configure vsan domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
(config-vsan)# fcoe vsan <NUMBER> vlan <NUMBER> loadbalancing src-dst-id|src-dst-ox-id
```

**fcoe vsan <NUMBER> vlan <NUMBER> loadbalancing src-dst-id|src-dst-ox-id**

**Description:** Configure loadbalancing

**Syntax:**

|               |  |
|---------------|--|
| vsan          | Configure Vsan ID                              |
| <vsan-id>     | Configure Vsan ID. Number range from=1 to=4093 |
| vlan          | Configure Vlan ID                              |
| <vlan-id>     | Configure Vlan ID. Number range from=1 to=4094 |
| src-dst-id    | Load balaning based on src-dst-id              |
| src-dst-ox-id | Load balaning based on the src-dst-ox-id       |

**Command Mode:** template vsan-attribute : Configure Vsan Attributes(Max Size 64)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template vsan-attribute <WORD>
(config-vsan-attr)# fcoe vsan <NUMBER> vlan <NUMBER> loadbalancing src-dst-id|src-dst-ox-id
```





## fctimer e-d-tov

### fctimer e-d-tov <NUMBER>

**Description:** Configure e\_d\_tov value

**Syntax:**

|            |  |
|------------|--|
| <interval> | FC Fabric error detect timeout. Number range from=1000 to=4000 |
|------------|--|

**Command Mode:** template fc-fabric-policy : Configure FC Fabric Policy(Max Size 64)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template fc-fabric-policy <WORD>
(config-fc-fabric-policy)# fctimer e-d-tov <NUMBER>
```

### fctimer e-d-tov <NUMBER>

**Description:** Configure e\_d\_tov value

**Syntax:**

|            |  |
|------------|--|
| <interval> | FC Fabric error detect timeout. Number range from=1000 to=4000 |
|------------|--|

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fctimer e-d-tov <NUMBER>
```

### fctimer e-d-tov <NUMBER>

**Description:** Configure e\_d\_tov value

**Syntax:**

|            |  |
|------------|--|
| <interval> | FC Fabric error detect timeout. Number range from=1000 to=4000 |
|------------|--|

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fctimer e-d-tov <NUMBER>
```

## fctimer r-a-tov

### fctimer r-a-tov <NUMBER>

**Description:** Configure r\_a\_tov value

**Syntax:**

|            |  |
|------------|--|
| <interval> | FC Fabric resolution allocation timeout. Number range from=5000 to=10000 |
|------------|--|

**Command Mode:** template fc-fabric-policy : Configure FC Fabric Policy(Max Size 64)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template fc-fabric-policy <WORD>
(config-fc-fabric-policy)# fctimer r-a-tov <NUMBER>
```

### fctimer r-a-tov <NUMBER>

**Description:** Configure r\_a\_tov value

**Syntax:**

|            |  |
|------------|--|
| <interval> | FC Fabric resolution allocation timeout. Number range from=5000 to=10000 |
|------------|--|

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fctimer r-a-tov <NUMBER>
```

### fctimer r-a-tov <NUMBER>

**Description:** Configure r\_a\_tov value

**Syntax:**

|            |  |
|------------|--|
| <interval> | FC Fabric resolution allocation timeout. Number range from=5000 to=10000 |
|------------|--|

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fctimer r-a-tov <NUMBER>
```

# feature

## **feature analytics|netflow**

**Description:** Select Netflow

**Syntax:**

|           |                  |
|-----------|------------------|
| analytics | Select Analytics |
| netflow   | Select Netflow   |

**Command Mode:** node-control : Create a Node Control Policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# node-control policy <WORD>
(config-node)# feature analytics|netflow
```

# fex-interface-group

**fex-interface-group** <WORD>

**Description:** Configure Fex Interface Group

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Fex Interface Group Name (Max Size 64) |
|-------------|--|

**Command Mode:** fex-profile : Configure Fex Profile

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
```

# fex-profile

**fex-profile** <WORD>

**Description:** Configure Fex Profile

**Syntax:**

|             |                                |
|-------------|--------------------------------|
| <i>WORD</i> | Fex Profile Name (Max Size 64) |
|-------------|--------------------------------|

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
```

# fex

## **fex associate <NUMBER> template <WORD>**

**Description:** Configure Fex on the Interface

**Syntax:**

|               |  |
|---------------|--|
| associate     | Associate the port to a FEX              |
| <i>NUMBER</i> | Fex Number. Number range from=101 to=199 |
| template      | Associate a template                     |
| <i>WORD</i>   | Fex Template Name (Max Size 64)          |

**Command Mode:** leaf-interface-group : Configure Leaf Interface Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# fex associate <NUMBER> template <WORD>
```

## **fex associate <arg>**

**Description:** Configure Fex on the Interface

**Syntax:**

|            |  |
|------------|--|
| associate  | Associate the port to a FEX              |
| <i>arg</i> | Fex Number. Number range from=101 to=199 |

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# fex associate <>
```

## **fex associate <arg>**

**Description:** Configure Fex on the Interface

**Syntax:**

|            |  |
|------------|--|
| associate  | Associate the port to a FEX              |
| <i>arg</i> | Fex Number. Number range from=101 to=199 |

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# fex associate <>
```



# file

## file <FILENAME>

**Description:** Snapshot file name

**Syntax:**

|                 |                    |
|-----------------|--------------------|
| <i>FILENAME</i> | Snapshot file name |
|-----------------|--------------------|

**Command Mode:** snapshot download : Configuration snapshot download setup mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# snapshot download <WORD>
(config-download)# file <FILENAME>
```

## file <FILENAME>

**Description:** Snapshot file name

**Syntax:**

|                 |                    |
|-----------------|--------------------|
| <i>FILENAME</i> | Snapshot file name |
|-----------------|--------------------|

**Command Mode:** snapshot import : Configuration import setup mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# snapshot import <WORD>
(config-import)# file <FILENAME>
```

## file <FILENAME>

**Description:** Snapshot file name

**Syntax:**

|                 |                    |
|-----------------|--------------------|
| <i>FILENAME</i> | Snapshot file name |
|-----------------|--------------------|

**Command Mode:** snapshot upload : Configuration snapshot upload setup mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# snapshot upload <WORD>
(config-upload)# file <FILENAME>
```

# filter-group

## filter-group <WORD>

**Description:** Associate a filter group to the session

**Syntax:**

|             |                                 |
|-------------|---------------------------------|
| <i>WORD</i> | Filter group name (Max Size 64) |
|-------------|---------------------------------|

**Command Mode:** monitor access session : Configure monitor session for access interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# filter-group <WORD>
```

## filter-group <WORD>

**Description:** Associate a filter group to the source

**Syntax:**

|             |                                 |
|-------------|---------------------------------|
| <i>WORD</i> | Filter group name (Max Size 64) |
|-------------|---------------------------------|

**Command Mode:** source interface ethernet : Configure monitor for ethernet access interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
(config-monitor-access-source)# filter-group <WORD>
```

## filter-group <WORD>

**Description:** Associate a filter group to the source

**Syntax:**

|             |                                 |
|-------------|---------------------------------|
| <i>WORD</i> | Filter group name (Max Size 64) |
|-------------|---------------------------------|

**Command Mode:** source interface port-channel : Configure monitor for port-channel interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
(config-monitor-access-source)# filter-group <WORD>
```

**filter-group <WORD>**

**Description:** Associate a filter group to the source

**Syntax:**

|             |                                 |
|-------------|---------------------------------|
| <i>WORD</i> | Filter group name (Max Size 64) |
|-------------|---------------------------------|

**Command Mode:** source interface vpc : Configure monitor for VPC interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
(config-monitor-access-source)# filter-group <WORD>
```

# filter

## filter <WORD>

**Description:** Set the LDAP filter to be used in a user search

### Syntax:

|        |  |
|--------|--|
| <WORD> | filter used in user search (Max Size 63) |
|--------|--|

**Command Mode:** ldap-server host : LDAP server DNS name or IP address

### Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# filter <WORD>
```

## filter [ipproto <WORD>][srcaddr <srcAddr>][dstaddr <dstAddr>][srcportfrom <WORD>][srcportto <WORD>][dstportfrom <WORD>][dstportto <NUMBER>]

**Description:** Configure filter entry

### Syntax:

|                |   |
|----------------|---|
| <i>WORD</i>    | (Optional) IP protocol name or value    |
| <i>srcAddr</i> | (Optional) Source IP prefix             |
| <i>dstAddr</i> | (Optional) Destination IP prefix        |
| <i>WORD</i>    | (Optional) Starting L4 source port      |
| <i>WORD</i>    | (Optional) Ending L4 source port        |
| <i>WORD</i>    | (Optional) Starting L4 destination port |
| <i>NUMBER</i>  | (Optional) Ending L4 destination port   |

**Command Mode:** monitor access filter-group : Configure filter groups

### Command Path:

```
# configure [['terminal', 't']]
(config)# monitor access filter-group <WORD>
(config-monitor-access-filtergrp)# filter [ipproto <WORD>] [srcaddr <srcAddr>] [dstaddr
<dstAddr>] [srcportfrom <WORD>] [srcportto <WORD>] [dstportfrom <WORD>] [dstportto <NUMBER>]
```

# filter tenant application

**filter tenant <tenant\_name> application <application\_name> epg <epg\_name>**

**Description:** application

**Syntax:**

|                         |                                |
|-------------------------|--------------------------------|
| tenant                  | tenant                         |
| <i>tenant_name</i>      | tenant name (Max Size 63)      |
| <i>application_name</i> | application name (Max Size 64) |
| epg                     | epg                            |
| <i>epg_name</i>         | epg name (Max Size 64)         |

**Command Mode:** source interface ethernet : Configure monitor for ethernet access interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
(config-monitor-access-source)# filter tenant <tenant_name> application <application_name>
epg <epg_name>
```

**filter tenant <tenant\_name> application <application\_name> epg <epg\_name>**

**Description:** application

**Syntax:**

|                         |                                |
|-------------------------|--------------------------------|
| tenant                  | tenant                         |
| <i>tenant_name</i>      | tenant name (Max Size 63)      |
| <i>application_name</i> | application name (Max Size 64) |
| epg                     | epg                            |
| <i>epg_name</i>         | epg name (Max Size 64)         |

**Command Mode:** source interface port-channel : Configure monitor for port-channel interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
(config-monitor-access-source)# filter tenant <tenant_name> application <application_name>
epg <epg_name>
```

**filter tenant <tenant\_name> application <application\_name> epg <epg\_name>**

**Description:** application

**Syntax:**

|                         |                                |
|-------------------------|--------------------------------|
| tenant                  | tenant                         |
| <i>tenant_name</i>      | tenant name (Max Size 63)      |
| <i>application_name</i> | application name (Max Size 64) |
| epg                     | epg                            |
| <i>epg_name</i>         | epg name (Max Size 64)         |

**Command Mode:** source interface vpc : Configure monitor for VPC interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
(config-monitor-access-source)# filter tenant <tenant_name> application <application_name>
epg <epg_name>
```

# filter tenant bd

**filter tenant <tenant\_name> bd <bd\_name>**

**Description:** BD filter

**Syntax:**

|                    |             |
|--------------------|-------------|
| <i>tenant</i>      | tenant      |
| <i>tenant_name</i> | tenant name |
| <i>bd_name</i>     | BD name     |

**Command Mode:** source interface ethernet : Configure monitor for ethernet fabric interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# source interface ethernet <ethernet> switch <switch Id>
(config-monitor-fabric-source)# filter tenant <tenant_name> bd <bd_name>
```

## filter tenant l3out

**filter tenant <tenant\_name> l3out <L3Out name> vlan <Vlan of the interface>**

**Description:** L3Out

**Syntax:**

|                              |  |
|------------------------------|--|
| tenant                       | tenant   |
| <i>tenant_name</i>           | tenant name (Max Size 63)                          |
| <i>L3Out name</i>            | L3Out name (Max Size 64)                           |
| vlan                         | Vlan of the interface                              |
| <i>Vlan of the interface</i> | Vlan of the interface. Number range from=0 to=4094 |

**Command Mode:** source interface ethernet : Configure monitor for ethernet access interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface ethernet <ethernet> leaf <leaf Id>
(config-monitor-access-source)# filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan
of the interface>
```

**filter tenant <tenant\_name> l3out <L3Out name> vlan <Vlan of the interface>**

**Description:** L3Out

**Syntax:**

|                              |  |
|------------------------------|--|
| tenant                       | tenant   |
| <i>tenant_name</i>           | tenant name (Max Size 63)                          |
| <i>L3Out name</i>            | L3Out name (Max Size 64)                           |
| vlan                         | Vlan of the interface                              |
| <i>Vlan of the interface</i> | Vlan of the interface. Number range from=0 to=4094 |

**Command Mode:** source interface port-channel : Configure monitor for port-channel interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface port-channel <port-channel list> leaf <leaf Id>
[fex <fex Id>]
(config-monitor-access-source)# filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan
of the interface>
```



**filter tenant <tenant\_name> l3out <L3Out name> vlan <Vlan of the interface>**

**Description:** L3Out

**Syntax:**

|                              |  |
|------------------------------|--|
| tenant                       | tenant   |
| <i>tenant_name</i>           | tenant name (Max Size 63)                          |
| <i>L3Out name</i>            | L3Out name (Max Size 64)                           |
| vlan                         | Vlan of the interface                              |
| <i>Vlan of the interface</i> | Vlan of the interface. Number range from=0 to=4094 |

**Command Mode:** source interface vpc : Configure monitor for VPC interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# source interface vpc <vpc list> leaf <leaf Id1> <leaf Id2> [fex
<fex Ids>]
(config-monitor-access-source)# filter tenant <tenant_name> l3out <L3Out name> vlan <Vlan
of the interface>
```

## filter tenant vrf

**filter tenant <tenant\_name> vrf <vrf\_name>**

**Description:** VRF filter

**Syntax:**

|                          |             |
|--------------------------|-------------|
| <code>tenant</code>      | tenant      |
| <code>tenant_name</code> | tenant name |
| <code>vrf_name</code>    | vrf name    |

**Command Mode:** source interface ethernet : Configure monitor for ethernet fabric interfaces

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# source interface ethernet <ethernet> switch <switch Id>
(config-monitor-fabric-source)# filter tenant <tenant_name> vrf <vrf_name>
```

# fips mode

**fips mode enable**

**Description:** Enable FIPS mode

**Syntax:**

|        |                  |
|--------|------------------|
| enable | Enable FIPS mode |
|--------|------------------|

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fips mode enable
```

# firewall-logging

**firewall-logging server-group <WORD> [severity severity <severity-info>][polling-interval <polling-interval>][action-type <action-type>]**

**Description:** Configure firewall-logging on AVS/AVE

**Syntax:**

|                                       |  |
|---------------------------------------|--|
| server-group                          | Specify server group name  |
| <i>WORD</i>                           | Logging server-group name (Max Size 64)  |
| <i>severity &lt;severity-info&gt;</i> | (Optional) Specify severity info   |
| <i>polling-interval</i>               | (Optional) Specify polling interval time in seconds. Number range from=60 to=86400 |
| <i>action-type</i>                    | (Optional) Specify action type   |

**Command Mode:** configure-avs : Configure a VMWare Domain as AVS (N1K) type

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# firewall-logging server-group <WORD> [severity severity <severity-info>]
[polling-interval <polling-interval>] [action-type <action-type>]
```

**firewall-logging server-group <WORD> [severity severity <severity-info>][polling-interval <polling-interval>][action-type <action-type>]**

**Description:** Configure firewall-logging on AVS/AVE

**Syntax:**

|                                       |  |
|---------------------------------------|--|
| server-group                          | Specify server group name  |
| <i>WORD</i>                           | Logging server-group name (Max Size 64)  |
| <i>severity &lt;severity-info&gt;</i> | (Optional) Specify severity info   |
| <i>polling-interval</i>               | (Optional) Specify polling interval time in seconds. Number range from=60 to=86400 |
| <i>action-type</i>                    | (Optional) Specify action type   |

**Command Mode:** configure-ave : Configure a Cisco AVE domain

**Command Path:**

```
# configure [['terminal', 't']]
```

```
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# firewall-logging server-group <WORD> [severity severity <severity-info>]
[polling-interval <polling-interval>] [action-type <action-type>]
```

# firewall

## firewall mode enabled|disabled|learning

**Description:** Configure firewall mode on AVS/AVE

**Syntax:**

|          |               |
|----------|---------------|
| mode     | firewall mode |
| enabled  | Enabled mode  |
| disabled | Disabled mode |
| learning | Learning mode |

**Command Mode:** configure-avs : Configure a VMWare Domain as AVS (N1K) type

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# firewall mode enabled|disabled|learning
```

## firewall mode enabled|disabled|learning

**Description:** Configure firewall mode on AVS/AVE

**Syntax:**

|          |               |
|----------|---------------|
| mode     | firewall mode |
| enabled  | Enabled mode  |
| disabled | Disabled mode |
| learning | Learning mode |

**Command Mode:** configure-ave : Configure a Cisco AVE domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
(config-vmware-ave)# firewall mode enabled|disabled|learning
```

# firmware-version

## firmware-version <version>

**Description:** Set target firmware version

**Syntax:**

|           |                  |
|-----------|------------------|
| <version> | firmware version |
|-----------|------------------|

**Command Mode:** controller-group : Controller Upgrade Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# controller-group
(config-firmware-controller)# firmware-version <version>
```

## firmware-version <version>

**Description:** Set target firmware version

**Syntax:**

|           |                  |
|-----------|------------------|
| <version> | firmware version |
|-----------|------------------|

**Command Mode:** switch-group : Create switch firmware upgrade policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# firmware-version <version>
```

# firmware

## firmware

**Description:** Firmware upgrade configuration Mode

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]  
(config)# firmware
```



# firmware repository add

**firmware repository add <WORD>**

**Description:** Add firmware image to repository

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Firmware image filename(absolute path) |
|-------------|--|

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# firmware repository add <WORD>
```

# firmware repository delete

**firmware repository delete** <WORD>

**Description:** Remove firmware image from repository

**Syntax:**

|             |                     |
|-------------|---------------------|
| <i>WORD</i> | Firmware image name |
|-------------|---------------------|

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# firmware repository delete <WORD>
```

# firmware upgrade controller-group

**firmware upgrade controller-group** [['ignore-validation']]

**Description:** Trigger controller-group upgrade

**Syntax:**

|                   |                                     |
|-------------------|-------------------------------------|
| ignore-validation | (Optional) ignore Validation checks |
|-------------------|-------------------------------------|

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# firmware upgrade controller-group [['ignore-validation']]
```

# firmware upgrade switch-group

**firmware upgrade switch-group** <WORD>

**Description:** Trigger switch-group upgrade

**Syntax:**

|             |                                 |
|-------------|---------------------------------|
| <i>WORD</i> | switch-group name (Max Size 64) |
|-------------|---------------------------------|

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# firmware upgrade switch-group <WORD>
```

# first-file

**first-file** <FILENAME>

**Description:** First snapshot file name

**Syntax:**

|                 |                          |
|-----------------|--------------------------|
| <i>FILENAME</i> | First snapshot file name |
|-----------------|--------------------------|

**Command Mode:** snapshot rollback : Configuration rollback setup mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# snapshot rollback <WORD>
(config-rollback)# first-file <FILENAME>
```

# first-hop-security

## first-hop-security

**Description:** Configuration for first hop security

**Command Mode:** tenant : Tenant configuration mode

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
```

# first-hop-security security-policy

**first-hop-security security-policy <WORD>**

**Description:** Associate the bridge domain with a first hop security policy

**Syntax:**

|             |   |
|-------------|---|
| <i>WORD</i> | first hop security policy name to be associated (Max Size 64) |
|-------------|---|

**Command Mode:** bridge-domain : Configuration for bridge-domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# first-hop-security security-policy <WORD>
```

# first-hop-security trust-control

**first-hop-security trust-control <WORD>**

**Description:** Bind the EPG to a trust control policy

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | trust control to associate (Max Size 64) |
|-------------|--|

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# first-hop-security trust-control <WORD>
```



# first-name

**first-name** <WORD>

**Description:** Set the first name of the locally-authenticated user.

**Syntax:**

|             |                          |
|-------------|--------------------------|
| <i>WORD</i> | first name (Max Size 32) |
|-------------|--------------------------|

**Command Mode:** username : Create a locally-authenticated user account

**Command Path:**

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# first-name <WORD>
```

# flash-config

## flash-config <arg>

**Description:** Add SSD Flash config policy

**Syntax:**

|            |  |
|------------|--|
| <i>arg</i> |  |
|------------|--|

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# flash-config <>
```

## flash-config <WORD>

**Description:** Configure SSD Flash Config policy

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Provide a SSD Flash Config policy name |
|-------------|--|

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# flash-config <WORD>
```

# flood-in-encapsulation

## **flood-in-encapsulation**

**Description:** Flood in encapsulation for EPG

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# flood-in-encapsulation
```

# flow-exporter

**flow-exporter** <WORD>

**Description:** Configure external analytics reachability information

**Syntax:**

|             |                              |
|-------------|------------------------------|
| <i>WORD</i> | Analytics config server name |
|-------------|------------------------------|

**Command Mode:** analytics : Configure external analytics reachability information

**Command Path:**

```
# configure [['terminal', 't']]
(config)# analytics cluster <WORD>
(config-analytics)# flow-exporter <WORD>
```

# flow direction

## flow direction ingress|egress|both

**Description:** Configure Netflow Direction (Valid only for AVS domain)

### Syntax:

|         |                   |
|---------|-------------------|
| ingress | Ingress Direction |
| egress  | Egress Direction  |
| both    | Bidirectional     |

**Command Mode:** vmware-domain : Associate EPG to a VMWare Domain

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
[allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
[untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# flow direction ingress|egress|both
```

# flow exporter

## flow exporter <WORD>

**Description:** Configure NetFlow Exporter Policy

**Syntax:**

|             |                          |
|-------------|--------------------------|
| <i>WORD</i> | VMM Exporter Policy Name |
|-------------|--------------------------|

**Command Mode:** configure-dvs : Configure a VMWare Domain as DVS type

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# flow exporter <WORD>
```

## flow exporter <WORD>

**Description:** Configure NetFlow Exporter Policy

**Syntax:**

|             |                          |
|-------------|--------------------------|
| <i>WORD</i> | VMM Exporter Policy Name |
|-------------|--------------------------|

**Command Mode:** configure-avs : Configure a VMWare Domain as AVS (N1K) type

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-avs
(config-vmware-avs)# flow exporter <WORD>
```

## flow exporter <WORD>

**Description:** Configure NetFlow Exporter Policy

**Syntax:**

|             |                          |
|-------------|--------------------------|
| <i>WORD</i> | VMM Exporter Policy Name |
|-------------|--------------------------|

**Command Mode:** configure-ave : Configure a Cisco AVE domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# configure-ave
```

```
(config-vmware-ave)# flow exporter <WORD>
```

**flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp <dstPort>**

**Description:** Configure Netflow Exporter

**Syntax:**

|                            |  |
|----------------------------|--|
| <i>WORD</i>                | Exporter Name (Max Size 64)  |
| destination                | Configure destination address  |
| address                    | Configure destination address  |
| <i>A.B.C.D or A:B::C:D</i> | IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx |
| transport                  | Configure Transport Port   |
| udp                        | Configure Transport Port   |
| <i>dstPort</i>             | Configure Transport Port   |

**Command Mode:** tenant : Tenant configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
```

**flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp <dstPort>**

**Description:** Configure Netflow Exporter

**Syntax:**

|                            |  |
|----------------------------|--|
| <i>WORD</i>                | Exporter Name (Max Size 64)  |
| destination                | Configure destination address  |
| address                    | Configure destination address  |
| <i>A.B.C.D or A:B::C:D</i> | IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx |
| transport                  | Configure Transport Port   |
| udp                        | Configure Transport Port   |
| <i>dstPort</i>             | Configure Transport Port   |

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
```

```
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp  
<dstPort>
```



# flow monitor

## flow monitor enable

**Description:** Configure Netflow Monitor

**Syntax:**

|        |                        |
|--------|------------------------|
| enable | Enable Netflow Monitor |
|--------|------------------------|

**Command Mode:** vmware-domain : Associate EPG to a VMWare Domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
[allow-micro-segmentation] [deploy <WORD>] [push <WORD>] [binding-type
staticBinding|dynamicBinding|ephemeral] [port-allocation fixed|elastic] [num-ports <WORD>]
[untagged-access-pg] [delimiter <WORD>]
(config-tenant-app-epg-domain)# flow monitor enable
```

## flow monitor <WORD>

**Description:** Configure Netflow Monitor

**Syntax:**

|             |                            |
|-------------|----------------------------|
| <i>WORD</i> | Monitor Name (Max Size 64) |
|-------------|----------------------------|

**Command Mode:** tenant : Tenant configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow monitor <WORD>
```

## flow monitor <WORD>

**Description:** Configure Netflow Monitor

**Syntax:**

|             |                            |
|-------------|----------------------------|
| <i>WORD</i> | Monitor Name (Max Size 64) |
|-------------|----------------------------|

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
```

```
(config)# flow monitor <WORD>
```

# flow node-policy

## flow node-policy <WORD>

**Description:** Netflow Node Policy Configuration

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Netflow Node Policy Name (Max Size 64) |
|-------------|--|

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# flow node-policy <WORD>
```

## flow node-policy <WORD>

**Description:** Node-policy name

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Netflow Node Policy Name (Max Size 64) |
|-------------|--|

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# flow node-policy <WORD>
```

## flow node-policy <WORD>

**Description:** Node-policy name

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Netflow Node Policy Name (Max Size 64) |
|-------------|--|

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# flow node-policy <WORD>
```

**flow node-policy <WORD>****Description:** Configure Netflow Node Policy Parameters**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Netflow Node Policy Name (Max Size 64) |
|-------------|--|

**Command Mode:** configure : Configuration Mode**Command Path:**

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
```

# flow record

## flow record <WORD>

**Description:** Configure Netflow Record

**Syntax:**

|             |                           |
|-------------|---------------------------|
| <i>WORD</i> | Record Name (Max Size 64) |
|-------------|---------------------------|

**Command Mode:** tenant : Tenant configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow record <WORD>
```

## flow record <WORD>

**Description:** Configure Netflow Record

**Syntax:**

|             |                             |
|-------------|-----------------------------|
| <i>WORD</i> | Exporter Name (Max Size 64) |
|-------------|-----------------------------|

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# flow record <WORD>
```

# flow timeout collection

**flow timeout collection** <arg>

**Description:** Collection time interval

**Syntax:**

|            |  |
|------------|--|
| <i>arg</i> | Configure collection timeout value in seconds. Number range from=60 to=36000 |
|------------|--|

**Command Mode:** flow node-policy : Configure Netflow Node Policy Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
(config-flow-node-pol)# flow timeout collection <>
```

# flow timeout template

**flow timeout template <arg>**

**Description:** Template time interval

**Syntax:**

|            |  |
|------------|--|
| <i>arg</i> | Configure template timeout value in seconds. Number range from=60 to=64000 |
|------------|--|

**Command Mode:** flow node-policy : Configure Netflow Node Policy Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# flow node-policy <WORD>
(config-flow-node-pol)# flow timeout template <>
```

# flow vm-exporter

**flow vm-exporter** <WORD> destination address <A.B.C.D or A:B::C:D> transport udp <dstPort>

**Description:** Configure NetFlow Exporter for VM Networking

**Syntax:**

|                            |  |
|----------------------------|--|
| <i>WORD</i>                | NetFlow Exporter Name (Max Size 64)  |
| destination                | Configure destination address  |
| address                    | Configure destination address  |
| <i>A.B.C.D or A:B::C:D</i> | IP address in format i.i.i.i or IPv6 address in format xxxx:xxxx, xxxx::xx |
| transport                  | Configure Transport Port   |
| udp                        | Configure Transport Port   |
| <i>dstPort</i>             | Configure Transport Port   |

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
```



# force-pwd-change

## force-pwd-change

**Description:** Force the user to change password in next login

**Command Mode:** username : Create a locally-authenticated user account

### Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# force-pwd-change
```

# forged-transmits

## forged-transmits accept

**Description:** Enable/disable forged transmits on trunk

**Syntax:**

|        |        |
|--------|--------|
| accept | enable |
|--------|--------|

**Command Mode:** trunk-portgroup : Configure a trunk port group in the VMWare domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
[number-of-uplinks <number-of-uplinks>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# forged-transmits accept
```

# format

## format xml|short-txt|aml

**Description:** Configure the format of the message

**Syntax:**

|           |           |
|-----------|-----------|
| xml       | Xml       |
| short-txt | Short-txt |
| aml       | Aml       |

**Command Mode:** destination : Configure destination Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# format xml|short-txt|aml
```

## format xml|short-txt|aml

**Description:** Configure the format of the message

**Syntax:**

|           |           |
|-----------|-----------|
| xml       | Xml       |
| short-txt | Short-txt |
| aml       | Aml       |

**Command Mode:** destination : Configure destination Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# format xml|short-txt|aml
```

## format xml|json

**Description:** Snapshot format: xml or json

**Syntax:**

|     |            |
|-----|------------|
| xml | XML format |
|-----|------------|

|      |             |
|------|-------------|
| json | JSON format |
|------|-------------|

**Command Mode:** snapshot export : Configuration export setup mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# snapshot export <WORD>
(config-export)# format xml|json
```

# forward-error-correction

## forward-error-correction <WORD>

**Description:** Forward Error Correction

**Syntax:**

|             |                               |
|-------------|-------------------------------|
| <i>WORD</i> | Forward Error Correction Mode |
|-------------|-------------------------------|

**Command Mode:** template policy-group : Configure Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# forward-error-correction <WORD>
```

## forward-error-correction <WORD>

**Description:** Forward Error Correction

**Syntax:**

|             |                               |
|-------------|-------------------------------|
| <i>WORD</i> | Forward Error Correction Mode |
|-------------|-------------------------------|

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# forward-error-correction <WORD>
```

## forward-error-correction <WORD>

**Description:** Forward Error Correction

**Syntax:**

|             |                               |
|-------------|-------------------------------|
| <i>WORD</i> | Forward Error Correction Mode |
|-------------|-------------------------------|

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# forward-error-correction <WORD>
```

# function-profile

**function-profile** <WORD>

**Description:** Configure function profile container

**Syntax:**

|             |  |
|-------------|--|
| <i>WORD</i> | Provide a container name for function profiles |
|-------------|--|

**Command Mode:** l4l7 resource-pool : Configure L4-L7 Service Resource Pool

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 resource-pool <WORD>
(config-resource-pool)# function-profile <WORD>
```

# fwdnonecn

**fwdnonecn enabled|disabled**

**Description:** Set forwarding for Non ECN (Explicit congestion notification for WRED)

**Syntax:**

|          |                            |
|----------|----------------------------|
| enabled  | Enable non ECN forwarding  |
| disabled | Disable non ECN forwarding |

**Command Mode:** algo : Configure the global QOS policies

**Command Path:**

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# algo wred|tail-drop
(config-qos-algo)# fwdnonecn enabled|disabled
```

