



## E Commands

---

- [eap profile](#), on page 5
- [eapol mac-address](#), on page 6
- [ebgp-multihop](#), on page 7
- [ecckeypair](#), on page 8
- [echo](#), on page 9
- [ecp max-retries](#), on page 10
- [ecp mode lan](#), on page 11
- [ecp retransmission-timer-exponent](#), on page 12
- [eem test](#), on page 13
- [eemtest policy-add](#), on page 14
- [eemtest policy-remove](#), on page 15
- [egress-engineering](#), on page 16
- [egress-host](#), on page 17
- [egress-host](#), on page 18
- [egress-interface](#), on page 19
- [egress-interface](#), on page 20
- [egress](#), on page 21
- [eid-prefix](#), on page 22
- [elevation threshold](#), on page 23
- [email-addr](#), on page 24
- [email-contact](#), on page 25
- [email](#), on page 26
- [email](#), on page 27
- [enable](#), on page 28
- [enable Cert](#), on page 29
- [encapsulation-type](#), on page 30
- [encapsulation](#), on page 31
- [encapsulation dot1q](#), on page 32
- [encapsulation dot1q](#), on page 33
- [encapsulation dot1q provider-vlan](#), on page 34
- [encapsulation mpls](#), on page 35
- [encapsulation mpls](#), on page 36
- [encapsulation mpls source ipv4](#), on page 37

- [encrypt pause-frame](#), on page 38
- [encryption decrypt type6](#), on page 39
- [encryption delete type6](#), on page 40
- [encryption disable ipsec spi esp 3des aes 128 authentication sha1](#), on page 41
- [encryption ipsec spi esp 3des aes 128 authentication sha1](#), on page 42
- [encryption re-encrypt obfuscated](#), on page 43
- [end](#), on page 44
- [enforce-first-as](#), on page 45
- [enhanced-error](#), on page 46
- [enrollment terminal](#), on page 47
- [epbr infra vlans](#), on page 48
- [epbr ip policy](#), on page 49
- [epbr ipv6 policy](#), on page 50
- [epbr l2 policy egress-interface](#), on page 51
- [epbr policy](#), on page 52
- [epbr policy](#), on page 53
- [epbr service](#), on page 54
- [epbr service](#), on page 55
- [epbr session](#), on page 56
- [epbr session access-list refresh](#), on page 57
- [errdisable](#), on page 58
- [errdisable detect cause](#), on page 60
- [errdisable detect cause acl-exception](#), on page 61
- [errdisable port detect cause acl-exception](#), on page 62
- [errdisable recovery interval](#), on page 63
- [erspan-id](#), on page 64
- [erspan session-id all](#), on page 65
- [esi](#), on page 66
- [esi system-mac](#), on page 67
- [ethanalyzer](#), on page 68
- [ethanalyzer local](#), on page 69
- [ethernet-segment delay-restore time](#), on page 70
- [ethernet-segment vpc](#), on page 71
- [ethernet-tag encapsulation dot1q default static](#), on page 72
- [ethernet-tag encapsulation dot1q static](#), on page 73
- [ethernet-tag encapsulation vni default static](#), on page 74
- [ethernet-tag encapsulation vni static](#), on page 75
- [evb mac](#), on page 76
- [evb reinit-keep-alive](#), on page 77
- [evb resource-wait-delay](#), on page 78
- [event](#), on page 79
- [event](#), on page 80
- [event](#), on page 81
- [event](#), on page 82
- [event cli match](#), on page 83
- [event counter name entry-val entry-op](#), on page 84

- event fanabsent time, on page 85
- event fanbad time, on page 86
- event fcns entries max-per-switch, on page 87
- event flogi intf-max, on page 88
- event flogi switch-max, on page 89
- event gold module test testing-type scheduled consecutive-failure, on page 90
- event manager applet, on page 91
- event manager clear counter, on page 92
- event manager clear history events, on page 93
- event manager environment, on page 94
- event manager policy, on page 95
- event manager run, on page 96
- event memory, on page 97
- event module-failure type module count, on page 98
- event module status module1, on page 99
- event neighbor-discovery, on page 100
- event none, on page 101
- event oir fan, on page 102
- event oir module, on page 103
- event oir powersupply, on page 104
- event policy-default count, on page 105
- event poweroverbudget, on page 106
- event snmp oid get-type exact entry-op entry-val poll-interval, on page 107
- event storm-control, on page 109
- event syslog pattern, on page 110
- event sysmgr memory major minor clear, on page 111
- event sysmgr switchover count time, on page 112
- event temperature threshold, on page 113
- event test match, on page 114
- event timer, on page 115
- event track state, on page 116
- event zone dbsize max-per-vsan, on page 117
- event zone zonemembers max-per-switch, on page 118
- event zone zones max-per-switch, on page 119
- event zone zonesets max-per-switch, on page 120
- events transport udp, on page 121
- events transport udp, on page 122
- evi, on page 123
- evi, on page 124
- evi auto, on page 125
- evpn, on page 126
- evpn esi multihoming, on page 127
- evpn multihoming core-tracking, on page 128
- evpn multisite border-gateway, on page 129
- evpn multisite dci-tracking, on page 130
- evpn multisite fabric-tracking, on page 131

- evpn storm-control level, on page 132
- exclude-any, on page 133
- exclude-any, on page 134
- exclude access-list, on page 135
- exec-timeout, on page 136
- exec-timeout, on page 137
- exit, on page 138
- exit, on page 139
- expiry-interval, on page 140
- explicit-null, on page 141
- explicit segment-list, on page 142
- explicit segment-list, on page 143
- export-gateway-ip, on page 144
- export map, on page 145
- export vrf allow-vpn, on page 146
- export vrf default map, on page 147
- exporter-bucket-id, on page 148
- exporter-bucket-id, on page 149
- exporter-id, on page 150
- exporter-id, on page 151
- exporter-id, on page 152
- exporter, on page 153
- exporter, on page 154
- exporter, on page 155
- exporter, on page 156
- exporter, on page 157
- exporter, on page 158
- exporter, on page 159
- extension-header, on page 160

# eap profile

[no] eap profile <name>

## Syntax Description

eap	dot1x configuration commands
profile	Eap profile to be used
<i>name</i>	Name of Eap profile

## Command Mode

- /exec/configure

## eapol mac-address

[no] eapol mac-address { <mac\_addr> | broadcast-address } [ ether-type <eth\_type> ]

### Syntax Description

eapol	specify mac address and ether type for eapol packets
mac-address	mac address
<i>mac_addr</i>	mac address destination specified as a string
broadcast-address	broadcast address
ether-type	(Optional) ether type
<i>eth_type</i>	(Optional) ether type specified as string

### Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-eth-base

# ebgp-multihop

ebgp-multihop <ebgp-ttl> | { no | default } ebgp-multihop [ <ebgp-ttl> ]

## Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
ebgp-multihop	Specify multihop TTL for remote peer
<i>ebgp-ttl</i>	EBGP TTL value

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

# ecckeypair

[no] ecckeypair <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
ecckeypair	Configure trustpoint rsa key-pair details
s0	key-pair label

## Command Mode

- /exec/configure/trustpoint



# echo

```
echo [ -e | -n ] [ <line> ]
```

## Syntax Description

echo	echo argument back to screen (useful for scripts)
-e	(Optional) enable interpretation of the backslash-escaped characters
-n	(Optional) suppress the newline at end
<i>line</i>	(Optional) the string to echo (use quotes if string contains spaces)

## Command Mode

- /exec

## ecp max-retries

ecp max-retries <cnt> | no ecp max-retries [ <cnt> ]

### Syntax Description

no	Negate a command or set its defaults
ecp	ECP (Edge Control Protocol)
max-retries	Maximal number of retransmissions
<i>cnt</i>	Numer of retries. default 3

### Command Mode

- /exec/configure

# ecp mode lan

[no] ecp mode lan

## Syntax Description

no	(Optional) Negate a command or set its defaults
ecp	ECP (Edge Control Protocol)
mode	ECP session mode
lan	Enable ECP LAN mode

## Command Mode

- /exec/configure

## ecp retransmission-timer-exponent

ecp retransmission-timer-exponent <exp> | no ecp retransmission-timer-exponent [ <exp> ]

### Syntax Description

no	Negate a command or set its defaults
ecp	ECP (Edge Control Protocol)
retransmission-timer-exponent	Retransmission timer exponent
<i>exp</i>	Timer exponent. default: 14 (ex. 10 exp ~ 10 ms)

### Command Mode

- /exec/configure

# eem test

eem test <param>

## Syntax Description

eem	Event Manager command
test	Do test action
<i>param</i>	Test action parameter (dummy value)

## Command Mode

- /exec

## eemtest policy-add

eemtest policy-add <name> [ override <override-name> ]

### Syntax Description

eemtest	EEM test commands
policy-add	Add a client policy
<i>name</i>	Name of policy (cannot have underscore in first two characters)
override	(Optional) Override a system policy
<i>override-name</i>	(Optional) Name of the system policy to override - should begin with double underscore

### Command Mode

- /exec

# eemtest policy-remove

eemtest policy-remove <name> [ override <override-name> ]

## Syntax Description

eemtest	EEM test commands
policy-remove	Remove a client policy
<i>name</i>	Name of policy (cannot have underscore in first two characters)
override	(Optional) Override a system policy
<i>override-name</i>	(Optional) Name of the system policy to override - should begin with double underscore

## Command Mode

- /exec

## egress-engineering

[ no | default ] egress-engineering [ peer-set <peer-set-name> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
egress-engineering	Configure Egress Peer Engineering (EPE) for peer
peer-set	(Optional) Configure EPE Peer-Set
<i>peer-set-name</i>	(Optional) EPE Peer-Set name

### Command Mode

- /exec/configure/router-bgp/router-bgp-template-neighbor  
/exec/configure/router-bgp/router-bgp-neighbor-stmp /exec/configure/router-bgp/router-bgp-neighbor  
/exec/configure/router-bgp/router-bgp-prefixneighbor



# egress-host

[no] egress-host <hostip>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>hostip</i>	IP Address of host

## Command Mode

- /exec/configure/nbm-vrf/nbm-flow-def

# egress-host

[no] egress-host <hostip>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>hostip</i>	IP Address of host

## Command Mode

- /exec/configure/nbm-flow-def

# egress-interface

[no] egress-interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>interface</i>	Physical or Logical interface

## Command Mode

- /exec/configure/nbm-flow-def

# egress-interface

[no] egress-interface <interface>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>interface</i>	Physical or Logical interface

## Command Mode

- /exec/configure/nbm-vrf/nbm-flow-def

# egress

{ egress <eid> | no egress }

## Syntax Description

no	Negate a command or set its defaults
egress	Outgoing egress Interface
<i>eid</i>	Outgoing egress Interface identifier

## Command Mode

- /exec/configure/configngoamconnectcheck

## eid-prefix

```
{ [ no ] eid-prefix { <eid-prefix> | <eid-prefix6> } [ instance-id <iid> ] [ route-tag <tag> ] [
accept-more-specifics ] }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
eid-prefix	EID-prefix for LISP site
<i>eid-prefix</i>	IP EID-prefix of the site
instance-id	(Optional) Configures instance-ID for site's EID-prefix
<i>iid</i>	(Optional) 24-bit instance-ID value
route-tag	(Optional) Route tag for LISP EID-prefix routes
<i>tag</i>	(Optional) 32-bit value for tag
accept-more-specifics	(Optional) Allow more-specifics of site EID-prefix to register

### Command Mode

- /exec/configure/lisp-site /exec/configure/vrf/lisp-site

# elevation threshold

[no] elevation threshold <thres>

## Syntax Description

no	(Optional) Negate a command or set its defaults
elevation	Elevation threshold configuration
threshold	Elevation threshold configuration
<i>thres</i>	Elevation threshold value, in degrees

## Command Mode

- /exec/configure/gnss-if

# email-addr

[no] email-addr <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
email-addr	Add email addr to send output of jobs configured for this schedule
s0	Provide email address, example: jdow@xyz.com

## Command Mode

- /exec/configure/schedule



# email-contact

{ email-contact <s0> | no email-contact }

## Syntax Description

no	Negate a command or set its defaults
email-contact	email address of the contact person
s0	Provide email address, example: jdow@xyz.com

## Command Mode

- /exec/configure/callhome

# email

```
| email [ -f <fromemail> | -r <replytoemail> | -S <smtphost> | -P <smtpport> | -s <subject> | -c
<vrf-known-name> ] + <toemail>
```

## Syntax Description

	Pipe command output to filter
email	Email command output
-f	(Optional) From address
<i>fromemail</i>	(Optional) Email address
-r	(Optional) Reply to address
<i>replytoemail</i>	(Optional) Email address
-S	(Optional) SMTP host
<i>smtphost</i>	(Optional) IPV4/IPV6 address or DNS name
-P	(Optional) SMTP port
<i>smtpport</i>	(Optional) SMTP port number
-s	(Optional) Subject
<i>subject</i>	(Optional) Email subject
-c	(Optional) VRF
<i>vrf-known-name</i>	(Optional) VRF name
<i>toemail</i>	Recipient email address

## Command Mode

- /output

# email

[no] email

## Syntax Description

no	(Optional) Negate a command or set its defaults
email	Configure pipe email

## Command Mode

- /exec/configure

# enable

[no] enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
enable	enable callhome

## Command Mode

- /exec/configure/callhome

# enable Cert

[no] enable { Cert-DN-match | user-server-group }

## Syntax Description

no	(Optional) Negate a command or set its defaults
enable	Enable
user-server-group	Enable/Disable group validation
Cert-DN-match	Enable/Disable Cert-DN matching

## Command Mode

- /exec/configure/ldap

# encapsulation-type

encapsulation-type <encaptype>

## Syntax Description

encapsulation-type	Encapsulation type
<i>encaptype</i>	Encapsulation type options

## Command Mode

- /exec/configure/tunenc-policy

# encapsulation

[no] encapsulation

## Syntax Description

no	(Optional) Negate a command or set its defaults
encapsulation	Parameters related to SRv6 encapsulation

## Command Mode

- /exec/configure/sr/srv6

# encapsulation dot1q

encapsulation dot1q <vlan\_id> | no encapsulation dot1q [ <vlan\_id> ]

## Syntax Description

no	Negate a command or set its defaults
encapsulation	Set encapsulation type for an interface
dot1q	IEEE 802.1Q Virtual LAN
<i>vlan_id</i>	IEEE 802.1Q VLAN ID required

## Command Mode

- /exec/configure/if-remote-ethernet-sub



# encapsulation dot1q

encapsulation dot1q <vlan\_id> | no encapsulation dot1q [ <vlan\_id> ]

## Syntax Description

no	Negate a command or set its defaults
encapsulation	Set encapsulation type for an interface
dot1q	IEEE 802.1Q Virtual LAN
<i>vlan_id</i>	IEEE 802.1Q VLAN ID required

## Command Mode

- /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-p2p

## encapsulation dot1q provider-vlan

encapsulation dot1q <c\_vlan\_id> provider-vlan <s\_vlan\_id> | no encapsulation dot1q [ <c\_vlan\_id> [ provider-vlan <s\_vlan\_id> ] ]

### Syntax Description

no	Negate a command or set its defaults
encapsulation	Set encapsulation type for an interface
dot1q	IEEE 802.1Q Virtual LAN (customer)
<i>c_vlan_id</i>	IEEE 802.1Q VLAN ID required
provider-vlan	IEEE 802.1Q Virtual LAN (service)
<i>s_vlan_id</i>	IEEE 802.1Q VLAN ID required

### Command Mode

- /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch

# encapsulation mpls

[ no | default ] encapsulation mpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
encapsulation	Configure encapsulation type for EVPN routes
mpls	Mpls encapsulation

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn

# encapsulation mpls

[no] encapsulation mpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
encapsulation	Encapsulation type for the overlay
mpls	Segment routing

## Command Mode

- /exec/configure/evpn

# encapsulation mpls source ipv4

[no] encapsulation mpls source ipv4 <ip-address>

## Syntax Description

no	(Optional) Negate a command or set its defaults
encapsulation	Configure encapsulation type
mpls	Configure paramters for mpls encapsulation
source	Configure source address for mpls encapsulation
ipv4	Configure ipv4 source address
<i>ip-address</i>	Source address

## Command Mode

- /exec/configure/sr/te

# encrypt pause-frame

[no] encrypt pause-frame

## Syntax Description

encrypt	Enable/disable encryption for specific type of frames
pause-frame	Ethernet PAUSE frames

## Command Mode

- /exec/configure/cts-dot1x /exec/configure/cts-manual

# encryption decrypt type6

encryption decrypt type6

## Syntax Description

encryption	Strong encryption for credential(s)
decrypt	Decrypts strongly encrypted secret(s) to obfuscated type(s)
type6	type6 secrets present in system

## Command Mode

- /exec

# encryption delete type6

encryption delete type6 [ <uuid> | <name> ]

## Syntax Description

encryption	Strong encryption for credential(s)
delete	Deletes strongly encrypted secret(s)
type6	type6 secrets present in system
<i>uuid</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>name</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

## Command Mode

- /exec



# encryption disable ipsec spi esp 3des aes 128 authentication sha1

```
{ [ no ] encryption { disable | ipsec spi <spi_id> esp { 3des <ekey> | aes { 128 <ekey> } } authentication { sha1 <akey> | null } } } | { [ no ] encryption ipsec spi <spi_id> esp key-chain <keychain_enc> authentication { key-chain <keychain_ah> | null } } | { [ no ] encryption ipsec spi <spi_id> esp null authentication { sha1 <akey> | key-chain <keychain_ah> } } | { no encryption ipsec spi <spi_id> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
encryption	Enable Encryption
disable	Disable Encryption
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
esp	Specify encryption parameters
3des	Use the triple DES algorithm
<i>ekey</i>	Encryption Key
aes	Use the AES algorithm
128	Use the 128-bit AES algorithm
<i>ekey</i>	Encryption Key
authentication	Specify authentication parameters
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Encryption password key-chain
<i>keychain_enc</i>	Encryption key-chain name
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name
null	Use NULL authentication

## Command Mode

- /exec/configure/router-ospf3/router-ospf3-vlink /exec/configure/router-ospf3/vrf/router-ospf3-vlink

## encryption ipsec spi esp 3des aes 128 authentication sha1

```
{ [ no ] encryption ipsec spi <spi_id> esp { 3des <ekey> | aes { 128 <ekey> } } authentication { sha1 <akey> | null } } | { [ no ] encryption ipsec spi <spi_id> esp key-chain <keychain_enc> authentication { key-chain <keychain_ah> | null } } | { [ no ] encryption ipsec spi <spi_id> esp null authentication { sha1 <akey> | key-chain <keychain_ah> } } | { no encryption ipsec spi <spi_id> }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
encryption	Enable Encryption on all Interfaces
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
esp	Specify encryption parameters
3des	Use the triple DES algorithm
<i>ekey</i>	Encryption Key
aes	Use the AES algorithm
128	Use the 128-bit AES algorithm
<i>ekey</i>	Encryption Key
authentication	Specify authentication parameters
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Encryption password key-chain
<i>keychain_enc</i>	Encryption key-chain name
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name
null	Use NULL authentication

### Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

# encryption re-encrypt obfuscated

encryption re-encrypt obfuscated

## Syntax Description

encryption	Strong encryption for credential(s)
re-encrypt	Re-encrypts weekly encrypted secret(s) to strongly encrypted secret(s)
obfuscated	type-3/type-7/clear-text secrets present in system

## Command Mode

- /exec

# end

end

## Syntax Description

end	Go to exec mode
-----	-----------------

## Command Mode

- /global

# enforce-first-as

[no] enforce-first-as

## Syntax Description

no	(Optional) Negate a command or set its defaults
enforce-first-as	Enforce neighbor AS is the first AS in AS-PATH attribute (EBGP)

## Command Mode

- /exec/configure/router-bgp

# enhanced-error

[no] enhanced-error

## Syntax Description

no	(Optional) Negate a command or set its defaults
enhanced-error	Enable BGP Enhanced error handling

## Command Mode

- /exec/configure/router-bgp

# enrollment terminal

[no] enrollment terminal

## Syntax Description

no	(Optional) Negate a command or set its defaults
enrollment	Configure trustpoint enrollment
terminal	Configure trustpoint enrollment via console

## Command Mode

- /exec/configure/trustpoint

## epbr infra vlans

[no] epbr infra vlans <vlan-range>

### Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR service
infra	infra-vlans
vlans	infra-vlans
<i>vlan-range</i>	range of vlans

### Command Mode

- /exec/configure



## epbr ip policy

```
{ epbr ip policy <policy-name> } [ reverse ] | { no epbr ip policy <policy-name> [ reverse ] }
```

### Syntax Description

no	Negate a command or set its defaults
epbr	Enable EPBR chaining on interface
ip	Configure IP features
policy	EPBR policy name
<i>policy-name</i>	Policy name
reverse	(Optional) Apply the policy in the reverse direction.

### Command Mode

- /exec/configure/if-igp /exec/configure/if-vni/

## epbr ipv6 policy

```
{ epbr ipv6 policy <policy-name> } [ reverse ] | { no epbr ipv6 policy <policy-name> [ reverse ] }
```

### Syntax Description

no	Negate a command or set its defaults
epbr	Enable EPBR chaining on interface
ipv6	Configure IPv6 features
policy	EPBR policy name
<i>policy-name</i>	Policy name
reverse	(Optional) Apply the policy in reverse direction.

### Command Mode

- /exec/configure/if-igp /exec/configure/if-vni/

## epbr l2 policy egress-interface

```
{ epbr l2 policy <policy-name> egress-interface <egress-intf-name> } [ reverse ] | { no epbr l2 policy
<policy-name> egress-interface <egress-intf-name> [ reverse ] }
```

### Syntax Description

no	Negate a command or set its defaults
epbr	Enable EPBR chaining on interface
l2	Configure L2 features
policy	EPBR policy name
<i>policy-name</i>	Policy name
egress-interface	egress interface
<i>egress-intf-name</i>	Interface
reverse	(Optional) Apply the policy in reverse direction.

### Command Mode

- /exec/configure/if-set-acl-l2

# epbr policy

[no] epbr policy <policy-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR policy
policy	EPBR policy
<i>policy-name</i>	EPBR policy-name

## Command Mode

- /exec/configure

# epbr policy

[no] epbr policy <policy-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR policy
policy	EPBR policy
<i>policy-name</i>	EPBR policy-name

## Command Mode

- /exec/configure/epbr-sess

## epbr service

[no] epbr service <service-name> [ type <svc-type> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR service
service	EPBR service
<i>service-name</i>	EPBR service-name
type	(Optional) Type of EPBR service
<i>svc-type</i>	(Optional) I3/I2 service

### Command Mode

- /exec/configure

## epbr service

[no] epbr service <service-name> [ type <svc-type> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR service
service	EPBR service
<i>service-name</i>	EPBR service-name
type	(Optional) Type of EPBR service
<i>svc-type</i>	(Optional) I3/I2 service

### Command Mode

- /exec/configure/epbr-sess

# epbr session

epbr session

## Syntax Description

epbr	EPBR service
session	EPBR session

## Command Mode

- /exec/configure



## epbr session access-list refresh

epbr session access-list <acl-name> refresh

### Syntax Description

epbr	EPBR service
session	EPBR session
access-list	EPBR include access-list
<i>acl-name</i>	acl-name
refresh	Refresh EPBR policies based on access-list changes

### Command Mode

- /exec/configure

## errdisable

```
errdisable { detect cause_detect { all_cause | link-flap_cause | loopback_cause } | recovery { cause_recovery
{ all_recovery | udld | loopback_recovery | bpduguard | security-violation | psecure-violation | link-flap-recovery
| storm-control | dcbx-no-ack | vpc-peerlink | failed-port-state | vlan-membership | pause-rate-limit } } } | no
errdisable { detect cause_detect { all_cause | link-flap_cause | loopback_cause } | recovery { cause_recovery
{ all_recovery | udld | loopback_recovery | bpduguard | security-violation | psecure-violation | link-flap-recovery
| storm-control | dcbx-no-ack | vpc-peerlink | failed-port-state | vlan-membership | pause-rate-limit } } }
```

### Syntax Description

no	Negate a command or set its defaults
errdisable	Error disable
detect	Error disable detection
cause_detect	Enable error disable detection for application
all_cause	Enable error detection on all cases
link-flap_cause	Enable error disable detection on linkstate-flapping
loopback_cause	Enable error disable detection on loopback detected by UDLD
recovery	Error disable recovery
cause_recovery	Enable error disable recovery for application
all_recovery	Enable timer to recover from all causes
udld	Enable timer to recover from udld error disabled state
loopback_recovery	Enable timer to recover from loopback error disabled state detected by UDLD
bpduguard	Enable timer to recover from BPDU Guard error disable state
security-violation	Enable timer to recover from 802.1x violation disable state
psecure-violation	Enable timer to recover from psecure violation disable state
link-flap-recovery	Enable timer to recover from linkstate flapping
storm-control	Enable timer to recover from storm control error disabled state
dcbx-no-ack	Enable timer to recover from no DCBX Acks
vpc-peerlink	Enable timer to recover from inconsistent vpc peer-link
failed-port-state	Enable timer to recover from stp set port state failure
vlan-membership	Enable timer to recover from vlan membership failure
pause-rate-limit	Enable timer to recover from pause rate limit error disabled state

### Command Mode

- /exec/configure

## errdisable detect cause

```
[no] errdisable detect cause { link-down [ num-times <i0> duration <i1> ] | trustsec-violation [ num-times <i0> duration <i1> ] | bit-errors [ num-times <i0> duration <i1> ] | signal-loss [ num-times <i0> duration <i1> ] | sync-loss [ num-times <i0> duration <i1> ] | link-reset [ num-times <i0> duration <i1> ] | credit-loss [ num-times <i0> duration <i1> ] }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
errdisable	Error Disable the port
detect	Enter detect reason
cause	Enter port down cause
link-down	Detection of excessive link down events
trustsec-violation	Detection of excessive trustsec violation events
bit-errors	Detection of excessive bit error events
signal-loss	Detection of excessive signal loss events
sync-loss	Detection of excessive sync loss events
link-reset	Detection of excessive link reset events
credit-loss	Detection of excessive credit loss events
num-times	(Optional) Enter number of flaps
<i>i0</i>	(Optional) Enter number of flaps
duration	(Optional) Enter duration in seconds
<i>i1</i>	(Optional) Enter duration in seconds

### Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

# errdisable detect cause acl-exception

[no] errdisable detect cause acl-exception

## Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

## Command Mode

- /exec/configure

## errdisable port detect cause acl-exception

[no] errdisable port detect cause acl-exception

### Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

### Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch

# errdisable recovery interval

errdisable recovery interval <val> | no errdisable recovery interval [ <val> ]

## Syntax Description

no	Negate a command or set its defaults
errdisable	Error disable
recovery	Error disable recovery
interval	Error disable recovery timer value
<i>val</i>	timer-interval (sec)

## Command Mode

- /exec/configure

# erspan-id

[no] erspan-id <flow\_id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
erspan-id	Ersparn ID for ERSPAN sessions
<i>flow_id</i>	erspan-id

## Command Mode

- /exec/configure/monitor-erspan



# erspan session-id all

[no] erspan session-id all

## Syntax Description

no	(Optional) Negate a command or set its defaults
erspan	Encapsulation type ERSPAN related
session-id	ERSPAN session-id
all	All session-id

## Command Mode

- /exec/configure/tunnel-profile

# esi

[no] esi <esi> [ tag <tag> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
esi	Type-0 ESI
<i>esi</i>	10 byte ESI with first byte as 00
tag	(Optional) tag
<i>tag</i>	(Optional) tag associated with ESI

## Command Mode

- /exec/configure/if-eth-port-channel/ethernet-segment

## esi system-mac

[no] esi system-mac <mac-addr> <local-identifier> [ tag <tag> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
esi	Type-3 ESI
system-mac	Mac Address
<i>mac-addr</i>	specify system MAC address
<i>local-identifier</i>	local-discriminator
tag	(Optional) tag
<i>tag</i>	(Optional) tag associated with ESI

### Command Mode

- /exec/configure/if-eth-port-channel/ethernet-segment

# ethalyzer

```
ethalyzer { { background-session { restart | stop | config { filename <filename> | filesize <filesize> | numfiles
<numfiles> | session { enable | disable } } } } | { copy-background-snapshot } | {
copy-compressed-background-snapshot } }
```

## Syntax Description

ethalyzer	Configure cisco packet analyzer
background-session	Background packet analyzer sessions
restart	Create/restart background packet analyzer session
stop	Stop background packet analyzer session
config	Background packet analyzer session configuration file
filename	pcap filename
<i>filename</i>	pcap filename
filesize	Individual pcap file size
<i>filesize</i>	size in kilobytes
numfiles	Number of pcap files
<i>numfiles</i>	Number of files
session	Enable/disable background packet analyzer session configuration
enable	Enable background packet analyzer session configuration
disable	Disable background packet analyzer session configuration
copy-background-snapshot	Copy packet analyzer session captured frame to bootflash
copy-compressed-background-snapshot	Copy packet analyzer session captured compressed frame to bootflash

## Command Mode

- /exec

# ethanalyzer local

[no] ethanalyzer local [ { { {

## Syntax Description

{	(Optional) inband
no	(Optional) Negate a command or set its defaults
ethanalyzer	Configure cisco packet analyzer
local	start local capture of frames to Sup

## Command Mode

- /exec

# ethernet-segment delay-restore time

[no] ethernet-segment delay-restore time <sec>

## Syntax Description

no	(Optional) Negate a command or set its defaults
ethernet-segment	ethernet-segment
delay-restore	delay-restore
time	time
<i>sec</i>	time in seconds

## Command Mode

- /exec/configure/evpn-esi-mh

# ethernet-segment vpc

[no] ethernet-segment vpc

## Syntax Description

no	(Optional) Negate a command or set its defaults
ethernet-segment	Configure Ethernet-Segment
vpc	vpc

## Command Mode

- /exec/configure/if-eth-port-channel-switch

## ethernet-tag encapsulation dot1q default static

```
{ ethernet-tag encapsulation dot1q default { static <profile-name> | dynamic } } | { no ethernet-tag encapsulation dot1q default }
```

### Syntax Description

no	Negate a command or set its defaults
ethernet-tag	Data snooping triggers
encapsulation	Encapsulation/Trigger type
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
dot1q	Dot1Q Encapsulation
default	Default (wildcard). Match any dot1q when there is no specific dot1q mapping configured

### Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global



## ethernet-tag encapsulation dot1q static

```
{ ethernet-tag encapsulation dot1q <vlan-id> { static <profile-name> | dynamic } } | { no ethernet-tag encapsulation dot1q <vlan-id> }
```

### Syntax Description

no	Negate a command or set its defaults
ethernet-tag	Data snooping triggers
encapsulation	Encapsulation/Trigger type
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
dot1q	Dot1Q Encapsulation
<i>vlan-id</i>	

### Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

## ethernet-tag encapsulation vni default static

```
{ ethernet-tag encapsulation vni default { static <profile-name> | dynamic } } | { no ethernet-tag encapsulation vni default }
```

### Syntax Description

no	Negate a command or set its defaults
ethernet-tag	Data snooping triggers
encapsulation	Encapsulation/Trigger type
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
vni	Virtual Network Identifier
default	Default (wildcard). Match any vni when there is no specific vni mapping configured

### Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

## ethernet-tag encapsulation vni static

{ ethernet-tag encapsulation vni <vni-id> { static <profile-name> | dynamic } } | { no ethernet-tag encapsulation vni <vni-id> }

### Syntax Description

no	Negate a command or set its defaults
ethernet-tag	Data snooping triggers
encapsulation	Encapsulation/Trigger type
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
vni	Virtual Network Identifier
<i>vni-id</i>	

### Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

# evb mac

```
{ evb mac <mac-addr> } | { no evb mac [ <mac-addr> ] }
```

## Syntax Description

no	Negate a command or set its defaults
evb	EVB (Edge Virtual Bridge)
mac	VDP multicast MAC address
<i>mac-addr</i>	MAC Address

## Command Mode

- /exec/configure

# evb reinit-keep-alive

```
{ evb reinit-keep-alive <exp> } | { no evb reinit-keep-alive [ <exp> ] }
```

## Syntax Description

no	Negate a command or set its defaults
evb	EVB (Edge Virtual Bridge)
reinit-keep-alive	Keepalive
<i>exp</i>	Timer exponent. (Min 22 exp ~ 40 seconds)

## Command Mode

- /exec/configure

## evb resource-wait-delay

{ evb resource-wait-delay <exp> } | { no evb resource-wait-delay [ <exp> ] }

### Syntax Description

no	Negate a command or set its defaults
evb	EVB (Edge Virtual Bridge)
resource-wait-delay	Resource wait delay
<i>exp</i>	Timer exponent. (Min 22 exp ~ 40 seconds)

### Command Mode

- /exec/configure

# event

[no] event <eventname>

## Syntax Description

event	Specify Event to use
<i>eventname</i>	Name of event

## Command Mode

- /exec/configure/analytics/system

# event

[no] event <eventname>

## Syntax Description

event	Specify FTE Event to use
<i>eventname</i>	Name of event

## Command Mode

- /exec/configure/config-fte-monitor



# event

[no] event

## Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification

## Command Mode

- /exec/configure/event-manager-applet

# event

[no] event <eventname>

## Syntax Description

event	Specify Event to use
<i>eventname</i>	Name of event

## Command Mode

- /exec/configure/nfm-system

# event cli match

```
[no] event cli [ tag <tag_id> ] match <regex> [ count <countnum> [ time <interval> ] ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
cli	Create a cli event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
match	Enter cli regex to be used for matching
<i>regex</i>	CLI regex, use * to wildcard a token
count	(Optional) Enter an integer to be used as count
<i>countnum</i>	(Optional) Integer count
time	(Optional) Enter time interval within which the events need to happen
<i>interval</i>	(Optional) Time interval in seconds, 0 for indefinitely

## Command Mode

- /exec/configure/event-manager-applet

## event counter name entry-val entry-op

[no] event counter [ tag <tag\_id> ] name <counter-name> entry-val <entry-val> entry-op <entry-op> [ exit-val <exit-val> exit-op <exit-op> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
counter	Create a counter event
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
name	Enter the name of the counter
<i>counter-name</i>	Name of the counter
entry-val	Specify the counter entry conditions
<i>entry-val</i>	Specify the value for comparison with the counter value
entry-op	Specify the operator to be used for comparison
<i>entry-op</i>	Specify the comparison operator
exit-val	(Optional) Specify the counter exit conditions
<i>exit-val</i>	(Optional) Specify the value for comparison with the counter value
exit-op	(Optional) Specify the operator to be used for comparison
<i>exit-op</i>	(Optional) Specify the comparison operator

### Command Mode

- /exec/configure/event-manager-applet

## event fanabsent time

[no] event fanabsent [ fan <fan-number> ] time <time-interval>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
fanabsent	Create fanabsent event specification
fan	(Optional) Optional. Enter fan number (optional arg)
<i>fan-number</i>	(Optional) Enter fan-number
time	Enter time
<i>time-interval</i>	Time in seconds fan can stay absent

### Command Mode

- /exec/configure/event-manager-applet

## event fanbad time

[no] event fanbad [ fan <fan-number> ] time <time-interval>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
fanbad	Create fanbad event specification
fan	(Optional) Optional. Enter fan number (optional arg)
<i>fan-number</i>	(Optional) Enter fan-number
time	Enter time
<i>time-interval</i>	Time in seconds fan can stay bad

### Command Mode

- /exec/configure/event-manager-applet

## event fcns entries max-per-switch

[no] event fcns entries max-per-switch <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
fcns	FC Nameserver related event
entries	FC Nameserver Database entries
max-per-switch	Maximum Nameserver database count event
<i>i0</i>	Name Server DB Limit

### Command Mode

- /exec/configure/event-manager-applet

## event flogi intf-max

[no] event flogi intf-max <intf-flogi-max>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
flogi	Configuring events related to flogi
intf-max	Event to configure maximum flogi per interface
<i>intf-flogi-max</i>	Flogi limit per interface

### Command Mode

- /exec/configure/event-manager-applet



# event flogi switch-max

[no] event flogi switch-max <switch-flogi-max>

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
flogi	Configuring events related to flogi
switch-max	Event to configure maximum flogi per switch
<i>switch-flogi-max</i>	Flogi limit per switch

## Command Mode

- /exec/configure/event-manager-applet

## event gold module test testing-type scheduled consecutive-failure

```
event gold module { <module> | all } test { <name> } [ severity { minor | moderate | major } ] testing-type {
scheduled | monitoring } consecutive-failure <cnt> | no event gold module { <module> | all } test { <name>
}
```

### Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification
gold	Create a 'Diagnostic' event specification
module	Module keyword
<i>module</i>	Module Number
all	Select all module ID
test	Diagnostic test selection
<i>name</i>	Test name
severity	(Optional) Severity of failure
minor	(Optional) Minor failure
moderate	(Optional) Moderate failure
major	(Optional) Major failure
testing-type	Type of Diagnostic test
scheduled	Scheduled Test
monitoring	Monitoring Test
consecutive-failure	Consecutive number of times failure has occurred
<i>cnt</i>	Failure count

### Command Mode

- /exec/configure/event-manager-applet

# event manager applet

[no] event manager applet <name> [ module <module-id> ] [ override <override-name> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Event Manager commands
manager	Event Manager commands
applet	Create/Modify an Event Manager Policy
<i>name</i>	Name of policy (cannot have underscore in first two characters)
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module-id</i>	(Optional)
override	(Optional) Override a system policy
<i>override-name</i>	(Optional) Name of the system policy to override - should begin with double underscore

## Command Mode

- /exec/configure

# event manager clear counter

event manager clear counter <counter-name>

## Syntax Description

event	Event Manager commands
manager	Event Manager commands
clear	Clear event manager information
counter	Clear the value of a counter
<i>counter-name</i>	Name of the counter

## Command Mode

- /exec

# event manager clear history events

event manager clear history events

## Syntax Description

event	Event Manager commands
manager	Event Manager commands
clear	Clear event manager information
history	Clear the stored/archived information
events	Clear all the stored/archived event history for this VDC

## Command Mode

- /exec

## event manager environment

event manager environment <varname> <varvalue> | no event manager environment <varname>

### Syntax Description

no	Negate a command or set its defaults
event	Event Manager commands
manager	Event Manager commands
environment	Configure an environment variable
<i>varname</i>	Name of the environment variable
<i>varvalue</i>	Value of the environment variable

### Command Mode

- /exec/configure

# event manager policy

event manager policy <name>

## Syntax Description

event	Event Manager commands
manager	Event Manager commands
policy	Register a script policy and activate it
<i>name</i>	Name of the script policy file

## Command Mode

- /exec/configure

## event manager run

```
event manager run <policy-name> [ <arg1> [ <arg2> [ <arg3> [ <arg4> [ <arg5> [ <arg6> [ <arg7> [ <arg8>
[ <arg9> [ <arg10> ]]]]]]]]]]]
```

### Syntax Description

event	Event Manager commands
manager	Event Manager commands
run	Trigger/run an event manager policy manually
<i>policy-name</i>	Name of the policy to be triggered-cannot specify default system policy
<i>arg1</i>	(Optional) User specified data value 1
<i>arg2</i>	(Optional) User specified data value 2
<i>arg3</i>	(Optional) User specified data value 3
<i>arg4</i>	(Optional) User specified data value 4
<i>arg5</i>	(Optional) User specified data value 5
<i>arg6</i>	(Optional) User specified data value 6
<i>arg7</i>	(Optional) User specified data value 7
<i>arg8</i>	(Optional) User specified data value 8
<i>arg9</i>	(Optional) User specified data value 9
<i>arg10</i>	(Optional) User specified data value 10

### Command Mode

- /exec



## event memory

[no] event memory { minor | severe | critical }

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
memory	Create memory thresholds event specification
minor	Minor alert
severe	Severe alert
critical	Critical alert

### Command Mode

- /exec/configure/event-manager-applet

## event module-failure type module count

[no] event module-failure [ tag <tag\_id> ] type <err-name> module { all | <module> } count <countnum> [ time <interval> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
module-failure	Create a 'module-failure' event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
type	Enter an error type
<i>err-name</i>	
module	Enter a module number
all	All modules
<i>module</i>	Enter module number
count	Enter an integer to be used as count
<i>countnum</i>	Integer count
time	(Optional) Enter time interval within which the events need to happen
<i>interval</i>	(Optional) Time interval in seconds

### Command Mode

- /exec/configure/event-manager-applet

# event module status module1

```
[no] event module [ tag <tag_id> ] status { online | offline | any } module1 { all | <module> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
module	Create a 'module' event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
status	Status event
online	Online status
offline	Offline status
any	Online or offline status
module1	Enter a module number
all	All modules
<i>module</i>	Enter module number

## Command Mode

- /exec/configure/event-manager-applet

# event neighbor-discovery

[no] event [ tag <tag\_id> ] neighbor-discovery

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
neighbor-discovery	Show CDP new neighbors

## Command Mode

- /exec/configure/event-manager-applet

# event none

[no] event none [ tag <tag\_id> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
none	Manually run policy event with none
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name

## Command Mode

- /exec/configure/event-manager-applet

## event oir fan

```
[no] event oir [ tag <tag_id> ] fan { insert | remove | anyoir } [ <fannum> ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
oir	Create Online-Insertion-Removal event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
fan	Fan OIR
insert	OIR insert
remove	OIR remove
anyoir	any OIR (Either insert or remove)
<i>fannum</i>	(Optional) Optional. Enter Fan number.

### Command Mode

- /exec/configure/event-manager-applet

# event oir module

[no] event oir [ tag <tag\_id> ] module { insert | remove | anyoir } [ <module> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
oir	Create Online-Insertion-Removal event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
module	Module OIR
insert	OIR insert
remove	OIR remove
anyoir	any OIR (Either insert or remove)
<i>module</i>	(Optional) Optional. Enter module number

## Command Mode

- /exec/configure/event-manager-applet

# event oir powersupply

```
[no] event oir [ tag <tag_id> ] powersupply { insert | remove | anyoir } [ <powersupnum> ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
oir	Create Online-Insertion-Removal event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
powersupply	powersupply OIR
insert	OIR insert
remove	OIR remove
anyoir	any OIR (Either insert or remove)
<i>powersupnum</i>	(Optional) Optional. Enter powersupply number

## Command Mode

- /exec/configure/event-manager-applet



# event policy-default count

[no] event policy-default count <countnum> [ time <interval> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
policy-default	Use the event in the system policy being overridden
count	Enter an integer to be used as count
<i>countnum</i>	Integer count
time	(Optional) Enter time interval within which the events need to happen
<i>interval</i>	(Optional) Time interval in seconds

## Command Mode

- /exec/configure/event-manager-applet

# event poweroverbudget

[no] event poweroverbudget

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
poweroverbudget	Create poweroverbudget event specification

## Command Mode

- /exec/configure/event-manager-applet

# event snmp oid get-type exact entry-op entry-val poll-interval

```
[no] event snmp [ tag <tag_id> ] oid <oid-val> get-type { exact | next } entry-op { ent_gt | ent_ge | ent_eq |
ent_ne | ent_lt | ent_le } entry-val <entry-val> [ { exit-comb { or | and } exit-op { ex_gt | ex_ge | ex_eq | ex_ne
| ex_lt | ex_le } exit-val <exit-val> exit-time <exit-time-val> } | { exit-op1 { ex_gt1 | ex_ge1 | ex_eq1 | ex_ne1
| ex_lt1 | ex_le1 } exit-val1 <exit-val1> } ] poll-interval <poll-int-val>
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
snmp	Create a 'snmp' event specification.
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
oid	oid of data element in dot notation.
<i>oid-val</i>	oid of data element in dot notation.
get-type	The type of SNMP get operation.
exact	exact
next	next
entry-op	entry comparison operator.
ent_gt	greater than
ent_ge	greater than or equal to
ent_eq	equal to
ent_ne	not equal to
ent_lt	less than
ent_le	less than or equal to
entry-val	value to compare with the current polled value
<i>entry-val</i>	value to compare with the current polled value
exit-comb	(Optional) exit criterion combination
or	(Optional) logical OR
and	(Optional) logical AND
exit-op	(Optional) exit comparison operator.

ex_gt	(Optional) greater than
ex_ge	(Optional) greater than or equal to
ex_eq	(Optional) equal to
ex_ne	(Optional) not equal to
ex_lt	(Optional) less than
ex_le	(Optional) less than or equal to
exit-val	(Optional) value to compare with the current polled value
<i>exit-val</i>	(Optional) value to compare with the current polled value
exit-op1	(Optional) exit comparison operator.
ex_gt1	(Optional) greater than
ex_ge1	(Optional) greater than or equal to
ex_eq1	(Optional) equal to
ex_ne1	(Optional) not equal to
ex_lt1	(Optional) less than
ex_le1	(Optional) less than or equal to
exit-val1	(Optional) value to compare with the current polled value
<i>exit-val1</i>	(Optional) value to compare with the current polled value
exit-time	(Optional) exit time
<i>exit-time-val</i>	(Optional) exit time in seconds
poll-interval	polling interval
<i>poll-int-val</i>	polling interval in seconds

**Command Mode**

- /exec/configure/event-manager-applet

# event storm-control

[no] event storm-control

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
storm-control	Create a storm control event specification

## Command Mode

- /exec/configure/event-manager-applet

## event syslog pattern

[no] event syslog [ tag <tag\_id> ] [ occurs <num-occurrences> ] [ period <period-value> ] [ priority [ <i0> | alerts | critical | debugging | emergencies | errors | informational | notifications | warnings ] ] pattern <regex>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
syslog	Create a syslog event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
occurs	(Optional) Enter an integer to be used for number of occurrences
<i>num-occurrences</i>	(Optional) Integer count
period	(Optional) Enter time interval within which the events need to happen
<i>period-value</i>	(Optional) Time interval in seconds, 0 for indefinitely
priority	(Optional) Priority of the log message
<i>i0</i>	(Optional) Enter priority of the log message
alerts	(Optional) Alert log message
critical	(Optional) Critical log message
debugging	(Optional) Debugging log message
emergencies	(Optional) Emergency log message
errors	(Optional) Error log message
informational	(Optional) Informational log message
notifications	(Optional) Notifications log message
warnings	(Optional) Warning log message
pattern	Enter regex to be used for matching
<i>regex</i>	SYSLOG regex

### Command Mode

- /exec/configure/event-manager-applet

## event sysmgr memory major minor clear

```
{ { event sysmgr memory [ module <module> ] major <i0> minor <i1> clear <i2> } | { no event sysmgr
memory [ [ module <module> ] major <i0> minor <i1> clear <i2> ] } }
```

### Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification
sysmgr	system manager related events
memory	memory alert event
module	(Optional) Optional. Enter module number
<i>module</i>	(Optional) Enter module-number
<i>module</i>	(Optional) <module>
major	set major memory threshold
<i>i0</i>	major memory threshold
minor	set minor memory threshold
<i>i1</i>	minor memory threshold
clear	set clear memory alert threshold
<i>i2</i>	clear memory threshold

### Command Mode

- /exec/configure/event-manager-applet

## event sysmgr switchover count time

```
{ { event sysmgr switchover count <countnum> time <interval> } | { no event sysmgr switchover [ count <countnum> time <interval> ] } }
```

### Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification
sysmgr	System manager related events
switchover	Switchover related event
count	Number of switchovers after which event should be triggered
<i>countnum</i>	Integer count
time	Enter time interval within which the events need to happen
<i>interval</i>	Time interval in seconds

### Command Mode

- /exec/configure/event-manager-applet



# event temperature threshold

[no] event temperature [ module <module> ] [ sensor <sensornum> ] threshold { major | minor | any }

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
temperature	Create temperature event specification
module	(Optional) Optional. Enter module number (optional arg)
<i>module</i>	(Optional) Enter module-number
sensor	(Optional) Optional. Enter sensor number (optional arg)
<i>sensornum</i>	(Optional) Enter sensor number
threshold	Enter Major or Minor threshold
major	Major threshold
minor	Minor threshold
any	Major or Minor

## Command Mode

- /exec/configure/event-manager-applet

## event test match

```
[no] event test [ tag <tag_id> ] match <num> [ count <countnum> ] [ time <interval> ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
test	Create a 'test' event specification
match	Enter an integer to be used for matching
<i>num</i>	Integer value
count	(Optional) Enter an integer to be used as count
<i>countnum</i>	(Optional) Integer count
<i>time</i>	(Optional) <interval>
<i>interval</i>	(Optional) Time interval in seconds

### Command Mode

- /exec/configure/event-manager-applet

# event timer

```
[no] event timer [ tag <tag_id> ] { watchdog wtime <watchdog-time> | absolute atime <absolute-time> |
countdown ctime <countdown-time> | cron cron-entry <cron-time> } [ name <timer_name> ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
timer	Create a timer event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
name	(Optional) name of the timer
<i>timer_name</i>	(Optional) Enter the timer name
watchdog	Watchdog timer event
wtime	Time period for watchdog
<i>watchdog-time</i>	<1-1924991999[.0-999]> Enter seconds[.milliseconds] value
absolute	Absolute timer event.
atime	epoch time for absolute. Try epochconverter online tool to get value
<i>absolute-time</i>	<1-1924991999[.0-999]> Enter seconds[.milliseconds] value
countdown	Countdown timer event
ctime	Time period for countdown
<i>countdown-time</i>	<1-1924991999[.0-999]> Enter seconds[.milliseconds] value
cron	Cron timer event
cron-entry	Cron entry string
<i>cron-time</i>	format: * * * * * => min hour dom month dow

## Command Mode

- /exec/configure/event-manager-applet

## event track state

```
event track [ tag <tag_id> ] <object-id> state { any | up | down } | no event track [ tag <tag_id> ] [ <object-id> ]
```

### Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification
track	Create a 'track' event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
<i>object-id</i>	Track objects
state	State of tracking object
any	Any state
down	Down state
up	Up state

### Command Mode

- /exec/configure/event-manager-applet

## event zone dbsize max-per-vsan

[no] event zone dbsize max-per-vsan <countnum>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
dbsize	Zone database size at which EEM event to be triggered
max-per-vsan	Configured value is maximum for the VSAN
<i>countnum</i>	Dbsize limit per vsan

### Command Mode

- /exec/configure/event-manager-applet

## event zone zonemembers max-per-switch

[no] event zone zonemembers max-per-switch <countnum>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
zonemembers	Zone member count at which EEM event to be triggered
max-per-switch	Configured value is maximum for the switch
<i>countnum</i>	Zone member limit per switch

### Command Mode

- /exec/configure/event-manager-applet

## event zone zones max-per-switch

[no] event zone zones max-per-switch <countnum>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
zones	Zone count at which EEM event to be triggered
max-per-switch	Configured value is maximum for the switch
<i>countnum</i>	Zone limit per switch

### Command Mode

- /exec/configure/event-manager-applet

## event zone zonesets max-per-switch

[no] event zone zonesets max-per-switch <countnum>

### Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
zonesets	Zoneset count at which EEM event to be triggered
max-per-switch	Configured value is maximum for the switch
<i>countnum</i>	Zoneset limit per switch

### Command Mode

- /exec/configure/event-manager-applet



# events transport udp

{ [ no ] events transport udp <portnumber> | no events transport udp }

## Syntax Description

events	Destination Port for Events
transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

## Command Mode

- /exec/configure/analytics/exporter

## events transport udp

```
{ [ no ] events transport udp <portnumber> | no events transport udp }
```

### Syntax Description

events	Destination Port for Events
transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

### Command Mode

- /exec/configure/nfm-exporter

# evi

[no] evi <evi\_id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
evi	Configure Ethernet EVI ID
<i>evi_id</i>	Specify EVI ID

## Command Mode

- /exec/configure/evpn

# evi

{ evi <id> } | { no evi }

## Syntax Description

no	Unconfigure evi identifier
evi	Configure evi identifier for creating auto RT
<i>id</i>	Specify evi identifier

## Command Mode

- /exec/configure/vrf

# evi auto

[no] evi { auto }

## Syntax Description

no	(Optional) Negate a command or set its defaults
evi	Configure an EVI for this VLAN
auto	Automatically set EVI to the VLAN ID

## Command Mode

- /exec/configure/vlan

# evpn

[no] evpn

## Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	Enter EVPN configuration mode

## Command Mode

- /exec/configure

# evpn esi multihoming

[no] evpn esi multihoming

## Syntax Description

no	(Optional) unconfigure the command
evpn	Enter EVPN configuration mode
esi	ESI based multihoming
multihoming	Multihoming feature

## Command Mode

- /exec/configure/evpn-esi-multihoming

## evpn multihoming core-tracking

[no] evpn multihoming core-tracking

### Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	Enter EVPN configuration mode
multihoming	VxLAN evpn multihoming
core-tracking	core interface tracking

### Command Mode

- /exec/configure/if-port-channel /exec/configure/if-routing /exec/configure/if-vlan



# evpn multisite border-gateway

evpn multisite border-gateway <site-id> | no evpn multisite border-gateway

## Syntax Description

no	Unconfigure the command
evpn	Enter EVPN configuration mode
multisite	Multisite
border-gateway	Border-gateway
<i>site-id</i>	Multisite Site-Id

## Command Mode

- /exec/configure

## evpn multisite dci-tracking

[no] evpn multisite dci-tracking

### Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	Enter EVPN configuration mode
multisite	VxLAN evpn multisite
dci-tracking	dci interface tracking

### Command Mode

- /exec/configure/if-port-channel /exec/configure/if-routing /exec/configure/if-vlan /exec/configure/if-ethernet /exec/configure/if-range

# evpn multisite fabric-tracking

[no] evpn multisite fabric-tracking

## Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	Enter EVPN configuration mode
multisite	VxLAN evpn multisite
fabric-tracking	fabric interface tracking

## Command Mode

- /exec/configure/if-port-channel /exec/configure/if-routing /exec/configure/if-vlan /exec/configure/if-ethernet /exec/configure/if-range

## evpn storm-control level

[no] evpn storm-control { broadcast | multicast | unicast } level <lev>

### Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	VxLAN evpn feature
storm-control	Storm-control
broadcast	Broadcast Packets
multicast	Multicast Packets
unicast	Unknown Unicast Packets
level	Traffic level
<i>lev</i>	Enter the storm suppression level

### Command Mode

- /exec/configure

# exclude-any

[no] exclude-any

## Syntax Description

no	(Optional) Negate a command or set its defaults
exclude-any	Configure exclude-any Affinity Constraints

## Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff

# exclude-any

[no] exclude-any

## Syntax Description

no	(Optional) Negate a command or set its defaults
exclude-any	Configure exclude-any Affinity Constraints

## Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff

# exclude access-list

[no] exclude access-list <acl-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
exclude	ACL to exclude from redirection
access-list	ITD access-list name
<i>acl-name</i>	ITD exclude ACL name

## Command Mode

- /exec/configure/itd

# exec-timeout

{ exec-timeout <i0> | no exec-timeout [ <i0> ] }

## Syntax Description

no	Negate a command or set its defaults
exec-timeout	Configure exec timeout
<i>i0</i>	Enter timeout in minutes, 0 to disable

## Command Mode

- /exec/configure/line



# exec-timeout

{ exec-timeout <i0> | no exec-timeout [ <i0> ] }

## Syntax Description

no	Negate a command or set its defaults
exec-timeout	Configure exec timeout
<i>i0</i>	Enter timeout in minutes, 0 to disable

## Command Mode

- /exec/configure/console

# exit

exit

## Syntax Description

exit	Exit from command interpreter
------	-------------------------------

## Command Mode

- /global

# exit

exit

## Syntax Description

exit	Exit from command interpreter
------	-------------------------------

## Command Mode

- /exec/configure/ip-sla /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

# expiry-interval

[no] expiry-interval | expiry-interval <interval>

## Syntax Description

no	Negate a command or set its defaults
expiry-interval	Specify how long to use current data while unable to perform successful query
<i>interval</i>	Interval(seconds)

## Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

# explicit-null

explicit-null [ for <px-list> ] [ to <peer-px-list> ] | no explicit-null

## Syntax Description

no	Negate a command or set its defaults
explicit-null	Advertise Explicit Null label in place of Implicit Null
for	(Optional) Prefix list specifying controls on destination prefixes
<i>px-list</i>	(Optional) Name of prefix list
to	(Optional) Access-list specifying controls on LDP peers
<i>peer-px-list</i>	(Optional) Name of prefix list

## Command Mode

- /exec/configure/ldp

## explicit segment-list

[no] explicit segment-list <seg-list-name> [ weight <weight> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
explicit	Preconfigured path
segment-list	Explicit segment list configuration
<i>seg-list-name</i>	Identifying name of the segment-list with max 64 characters
weight	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>weight</i>	(Optional) Weight of segment list

### Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref

# explicit segment-list

[no] explicit segment-list <seg-list-name> [ weight <weight> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
explicit	Preconfigured path
segment-list	Explicit segment list configuration
<i>seg-list-name</i>	Identifying name of the segment-list with max 64 characters
weight	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>weight</i>	(Optional) Weight of segment list

## Command Mode

- /exec/configure/sr/te/color/cndpaths/pref

# export-gateway-ip

[no] export-gateway-ip

## Syntax Description

no	(Optional) Negate a command or set its defaults
export-gateway-ip	Export Gateway IP to Type-5 EVPN routes for VRF

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6



# export map

[no] export map <rmap-name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
export	VRF export
map	Route-map based VRF export
<i>rmap-name</i>	Route-map name

## Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

## export vrf allow-vpn

[no] export vrf allow-vpn

### Syntax Description

no	(Optional) Negate a command or set its defaults
export	VRF export
vrf	Virtual Router Context
allow-vpn	Allow re-importation of VPN imported routes

### Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

## export vrf default map

[no] export vrf default [ <prefix-limit> ] map <rmap-name> [ allow-vpn ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
export	VRF export
vrf	Virtual Router Context
default	VRF name (default)
<i>prefix-limit</i>	(Optional) Maximum prefix limit (Default value is 1000)
map	Route-map based VRF import
<i>rmap-name</i>	Route-map name
allow-vpn	(Optional) Allow re-importation of VPN imported routes

### Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

# exporter-bucket-id

[no] exporter-bucket-id <eb-id> <hash-lo> <hash-hi>

## Syntax Description

exporter-bucket-id	Exporter Bucket Id
<i>eb-id</i>	Collector Bucket Id
<i>hash-lo</i>	Collector Bucket Hash Low
<i>hash-hi</i>	Collector Bucket Hash High

## Command Mode

- /exec/configure/analytics/monitor

# exporter-bucket-id

[no] exporter-bucket-id <eb-id> <hash-lo> <hash-hi>

## Syntax Description

exporter-bucket-id	Exporter Bucket Id
<i>eb-id</i>	Collector Bucket Id
<i>hash-lo</i>	Collector Bucket Hash Low
<i>hash-hi</i>	Collector Bucket Hash High

## Command Mode

- /exec/configure/nfm-monitor

# exporter-id

{ [ no ] exporter-id <id> }

## Syntax Description

exporter-id	Specify details
<i>id</i>	exporter-id collector

## Command Mode

- /exec/configure/config-fte-exporter

# exporter-id

[no] exporter-id <exporter-id>

## Syntax Description

exporter-id	Specify the base Exporter ID to be applied on the system
<i>exporter-id</i>	Base Exported ID to be applied

## Command Mode

- /exec/configure/analytics/system

# exporter-id

[no] exporter-id <exporter-id>

## Syntax Description

exporter-id	Specify the base Exporter ID to be applied on the system
<i>exporter-id</i>	Base Exported ID to be applied

## Command Mode

- /exec/configure/nfm-system



# exporter

[no] exporter <exportername>

## Syntax Description

exporter	Exporter to be configured
<i>exportername</i>	Exporter to be configured

## Command Mode

- /exec/configure/config-ssx-monitor

# exporter

[no] exporter <exportername>

## Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

## Command Mode

- /exec/configure/config-int-monitor

# exporter

[no] exporter <exportername>

## Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

## Command Mode

- /exec/configure/config-fte-monitor

# exporter

[no] exporter <exportername> [ collector-bucket-id <cb-id> ]

## Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter
collector-bucket-id	(Optional) Collector Bucket Id
<i>cb-id</i>	(Optional) Collector Bucket Id

## Command Mode

- /exec/configure/nfm-monitor

# exporter

[no] exporter <exportername>

## Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

## Command Mode

- /exec/configure/analytics/monitor-eb

# exporter

[no] exporter <exportername>

## Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

## Command Mode

- /exec/configure/nfm-monitor-eb

# exporter

[no] exporter <exportername>

## Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

## Command Mode

- /exec/configure/config-postcard-monitor

# extension-header

[no] extension-header <hdr\_op\_type>

## Syntax Description

no	(Optional) Negate a command or set its defaults
extension-header	extension header rule installation
<i>hdr_op_type</i>	extn_hdr_op_type

## Command Mode

- /exec/configure/ipv6acl