



## A Commands

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- [aaa accounting dot1x default group](#), on page 7
- [aaa authentication dot1x default group](#), on page 8
- [aaa authentication login ascii-authentication](#), on page 9
- [aaa authentication login console](#), on page 10
- [aaa authentication login default](#), on page 12
- [aaa authentication login default fallback error local](#), on page 14
- [aaa authentication login enable](#), on page 15
- [aaa authentication login error-enable](#), on page 16
- [aaa authentication login invalid-username-log](#), on page 17
- [aaa authentication rejected](#), on page 18
- [aaa authentication rejected in ban](#), on page 19
- [aaa authorization commands console](#), on page 20
- [aaa authorization commands default](#), on page 21
- [aaa authorization ssh default group](#), on page 22
- [aaa bypass-user](#), on page 23
- [aaa group server ldap](#), on page 24
- [aaa group server radius](#), on page 25
- [aaa group server tacacs](#), on page 26
- [aaa server radius dynamic-author](#), on page 27
- [aaa user default-role](#), on page 28
- [abort](#), on page 29
- [abort](#), on page 30
- [abort](#), on page 31
- [abort](#), on page 32
- [abort](#), on page 33
- [absolute-timeout](#), on page 34
- [absolute start](#), on page 35
- [accept-lifetime smonth\\_a smonth\\_b smonth\\_c smonth\\_d smonth\\_e smonth\\_f smonth\\_g smonth\\_h smonth\\_i smonth\\_j smonth\\_k smonth\\_l duration infinite emonth\\_a emonth\\_b emonth\\_c emonth\\_d emonth\\_e emonth\\_f emonth\\_g emonth\\_h emonth\\_i emonth\\_j emonth\\_k emonth\\_l](#), on page 36
- [access-class](#), on page 38
- [access-list](#), on page 39
- [access-list ipv6](#), on page 40
- [acllog match-log-level](#), on page 41

- action, on page 42
- action, on page 43
- action cli, on page 44
- action collect, on page 45
- action counter name value op, on page 46
- action eem test, on page 47
- action event-default, on page 48
- action forceshut reset-reason, on page 49
- action overbudgetshut, on page 50
- action policy-default, on page 51
- action reload force, on page 52
- action snmp-trap, on page 53
- action syslog msg, on page 54
- activate mode-100M, on page 55
- additional-paths install backup, on page 56
- additional-paths receive, on page 57
- additional-paths selection route-map, on page 58
- additional-paths send, on page 59
- address-family ipv4, on page 60
- address-family ipv4 labeled-unicast, on page 61
- address-family ipv4 labeled-unicast, on page 62
- address-family ipv4 mdt, on page 63
- address-family ipv4 mdt, on page 64
- address-family ipv4 mvpn, on page 65
- address-family ipv4 mvpn, on page 66
- address-family ipv4 unicast, on page 67
- address-family ipv4 unicast, on page 68
- address-family ipv4 unicast, on page 69
- address-family ipv4 unicast, on page 70
- address-family ipv4 unicast, on page 71
- address-family ipv4 unicast, on page 72
- address-family ipv4 unicast, on page 73
- address-family ipv4 unicast, on page 74
- address-family ipv4 unicast, on page 75
- address-family ipv4 unicast, on page 76
- address-family ipv6 labeled-unicast, on page 77
- address-family ipv6 labeled-unicast, on page 78
- address-family ipv6 mvpn, on page 79
- address-family ipv6 mvpn, on page 80
- address-family ipv6 unicast, on page 81
- address-family ipv6 unicast, on page 82
- address-family ipv6 unicast, on page 83
- address-family ipv6 unicast, on page 84
- address-family ipv6 unicast, on page 85
- address-family ipv6 unicast, on page 86
- address-family ipv6 unicast, on page 87

- [address-family ipv6 unicast, on page 88](#)
- [address-family ipv6 unicast, on page 89](#)
- [address-family ipv6 unicast, on page 90](#)
- [address-family ipv6 unicast, on page 91](#)
- [address-family ipv6 unicast, on page 92](#)
- [address-family l2vpn evpn, on page 93](#)
- [address-family l2vpn evpn, on page 94](#)
- [address-family l2vpn vpls, on page 95](#)
- [address-family l2vpn vpls, on page 96](#)
- [address-family link-state, on page 97](#)
- [address-family link-state, on page 98](#)
- [address-family vpv4 unicast, on page 99](#)
- [address-family vpv4 unicast, on page 100](#)
- [address-family vpv6 unicast, on page 101](#)
- [address-family vpv6 unicast, on page 102](#)
- [address, on page 103](#)
- [address, on page 104](#)
- [address, on page 105](#)
- [address, on page 106](#)
- [address, on page 107](#)
- [address, on page 108](#)
- [address port-number, on page 109](#)
- [address primary, on page 110](#)
- [address secondary, on page 111](#)
- [address secondary, on page 112](#)
- [adjacency-check, on page 113](#)
- [advertise-gateway, on page 114](#)
- [advertise-gw-ip, on page 115](#)
- [advertise-labels, on page 116](#)
- [advertise-map exist default advertise-map, on page 117](#)
- [advertise-pip, on page 118](#)
- [advertise-system-mac, on page 119](#)
- [advertise evpn multicast, on page 120](#)
- [advertise interface, on page 121](#)
- [advertise local-labeled-route, on page 122](#)
- [advertise passive-only level-1, on page 123](#)
- [advertise passive-only level-2, on page 124](#)
- [advertise virtual-rmac, on page 125](#)
- [advertisement-interval, on page 126](#)
- [advertisement-interval, on page 127](#)
- [afd queue-desired, on page 128](#)
- [affinity-group, on page 129](#)
- [affinity-group activate, on page 130](#)
- [affinity-map, on page 131](#)
- [affinity, on page 132](#)
- [affinity, on page 133](#)

- affinity, on page 134
- age, on page 135
- age, on page 136
- aggregate-address, on page 137
- aggregate-address, on page 138
- alert-group user-def-cmd, on page 139
- alloc mode, on page 140
- alloc mode, on page 141
- allocate-index, on page 142
- allocate-label all, on page 143
- allocate-label option-b, on page 144
- allocate1 interface2, on page 145
- allocate2 fcoe-vlan-range, on page 146
- allocate3 shared interface3, on page 147
- allow-vni-in-ethertag, on page 148
- allow feature-set, on page 149
- allowas-in, on page 150
- allowas-in, on page 151
- allowed-locators, on page 152
- allowed-vlans, on page 153
- amt flush-routes, on page 154
- amt pseudo-interface, on page 155
- analytics cluster, on page 156
- announce duration, on page 157
- announce duration range, on page 158
- announce interval, on page 159
- announce interval range, on page 160
- anonymous-id, on page 161
- anti-jam disable, on page 162
- apply profile, on page 163
- area authentication, on page 164
- area authentication disable ipsec spi md5, on page 165
- area default-cost, on page 166
- area default-cost, on page 167
- area encryption disable ipsec spi esp 3des aes 128 authentication sha1, on page 168
- area filter-list route-map in, on page 169
- area filter-list route-map in, on page 170
- area nssa, on page 171
- area nssa, on page 172
- area nssa translate type7 always never suppress-fa, on page 173
- area nssa translate type7 always never suppress-fa, on page 174
- area range, on page 175
- area range, on page 176
- area segment-routing mpls, on page 177
- area sham-link, on page 178
- area stub, on page 179

- area stub, on page 180
- area virtual-link, on page 181
- area virtual-link, on page 182
- area virtual-link, on page 183
- area virtual-link, on page 184
- arp access-list, on page 185
- as-format asdot, on page 186
- as-override, on page 187
- association-group, on page 188
- association-group, on page 189
- attach console module, on page 190
- attach module, on page 191
- attribute-group, on page 192
- attribute-group, on page 193
- attribute-group, on page 194
- auth-mechanism plain, on page 195
- authentication-check, on page 196
- authentication-check, on page 197
- authentication-check level-1, on page 198
- authentication-check level-2, on page 199
- authentication-key, on page 200
- authentication-key, on page 201
- authentication-key, on page 202
- authentication-type cleartext, on page 203
- authentication-type cleartext, on page 204
- authentication-type cleartext, on page 205
- authentication, on page 206
- authentication, on page 207
- authentication, on page 208
- authentication, on page 209
- authentication bind, on page 210
- authentication disable ipsec spi md5, on page 211
- authentication ipsec spi md5, on page 212
- authentication key-chain, on page 213
- authentication key-chain, on page 214
- authentication key-chain, on page 215
- authentication key-chain, on page 216
- authentication key-chain, on page 217
- authentication text, on page 218
- auto-cost reference-bandwidth, on page 219
- auto-cost reference-bandwidth, on page 220
- auto-recovery, on page 221
- auto-remap-replication-servers, on page 222
- autonomous-system, on page 223
- autostate, on page 224
- autovlan enable, on page 225

- [awk, on page 226](#)

# aaa accounting dot1x default group

[no] aaa accounting dot1x default group <grp\_name> +

## Syntax Description

aaa	Configure aaa functions
accounting	Configure accounting methods
dot1x	accounting methods for dot1x
default	default aaa methods
<i>grp_name</i>	server group name

## Command Mode

- /exec/configure

# aaa authentication dot1x default group

[no] aaa authentication dot1x default group <grp\_name> +

## Syntax Description

aaa	Configure aaa functions
authentication	Configure authentication methods
<i>grp_name</i>	server group name

## Command Mode

- /exec/configure



# aaa authentication login ascii-authentication

[no] aaa authentication login ascii-authentication

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
ascii-authentication	enable ascii authentication

## Command Mode

- /exec/configure

# aaa authentication login console

```
[no] aaa authentication login console { group <s0> [ { local1 | none | <s1> [ { local1 | none | <s2> [ { local1 | none | <s3> [ { local1 | none | <s4> [ { local1 | none | <s5> [ { local1 | none | <s6> [ { local1 | none | <s7> [ { local1 | none } ] ] ] ] ] ] ] ] ] ] ] ] | local | none }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
console	Configure console methods
group	Specify server groups
<i>s0</i>	Server group name
none	(Optional) No authentication
<i>s1</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s2</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s3</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s4</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s5</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s6</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s7</i>	(Optional) Server group name
none	(Optional) No authentication
local	Use local username authentication
local1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

none	No authentication
------	-------------------

**Command Mode**

- /exec/configure

## aaa authentication login default

```
[no] aaa authentication login default { group <s0> [ { local1 | none | <s1> [ { local1 | none | <s2> [ { local1 | none | <s3> [ { local1 | none | <s4> [ { local1 | none | <s5> [ { local1 | none | <s6> [ { local1 | none | <s7> [ { local1 | none } ] ] ] ] ] ] ] ] ] ] ] ] ] ] | local | none }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
default	Configure default methods
group	Specify server group and maximum number of server groups supported is 8
<i>s0</i>	Server group name
none	(Optional) No authentication
<i>s1</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s2</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s3</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s4</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s5</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s6</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s7</i>	(Optional) Server group name
none	(Optional) No authentication
local	Use local username authentication

local1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
none	No authentication

**Command Mode**

- /exec/configure

# aaa authentication login default fallback error local

[no] aaa authentication login { default | console } fallback error local

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
default	Configure default methods
console	Configure console methods
fallback	Configure fallback behavior
error	Fallback in case all AAA servers configured for remote authentication are unreachable (Authentication error)
local	Fallback to local authentication

## Command Mode

- /exec/configure

# aaa authentication login enable

[no] aaa authentication login { mschap | mschapv2 | chap } enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
mschap	MSCHAP authentication for login
mschapv2	MSCHAP V2 authentication for login
chap	CHAP authentication for login
enable	enable the authentication for login

## Command Mode

- /exec/configure

# aaa authentication login error-enable

[no] aaa authentication login error-enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
error-enable	enable display of error message on login failures

## Command Mode

- /exec/configure



# aaa authentication login invalid-username-log

[no] aaa authentication login invalid-username-log

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
invalid-username-log	enable invalid username log

## Command Mode

- /exec/configure

# aaa authentication rejected

[no] aaa authentication rejected

## Syntax Description

no	Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
rejected	Set max number of fail attempts

## Command Mode

- /exec/configure

# aaa authentication rejected in ban

aaa authentication rejected <i1> in <i2> ban <i3>

## Syntax Description

aaa	Configure aaa functions
authentication	Configure authentication methods
rejected	Set max number of fail attempts
<i>i1</i>	Fail attempts max value
in	Watch period for fail attempts
<i>i2</i>	Time period in seconds
ban	Block time period
<i>i3</i>	Time period in seconds

## Command Mode

- /exec/configure

## aaa authorization commands console

```
[no] aaa authorization { commands | config-commands } console { group <s0> [ { local | none | <s1> [ { local | none | <s2> [ { local | none | <s3> [ { local | none | <s4> [ { local | none | <s5> [ { local | none | <s6> [ { local | none | <s7> [ { local | none } ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] | local | none }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authorization	Configure authorization methods
commands	Authorization for all exec-mode commands
config-commands	Authorization for config commands
console	Configure methods console
group	Specify server groups
s0	Server group name
s1	(Optional) Server group name
s2	(Optional) Server group name
s3	(Optional) Server group name
s4	(Optional) Server group name
s5	(Optional) Server group name
s6	(Optional) Server group name
s7	(Optional) Server group name
local	(Optional) Use local RBACL based authorization
none	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

- /exec/configure

## aaa authorization commands default

```
[no] aaa authorization { commands | config-commands } default { group <s0> [ { local | none | <s1> [ { local | none | <s2> [ { local | none | <s3> [ { local | none | <s4> [ { local | none | <s5> [ { local | none | <s6> [ { local | none | <s7> [ { local | none } ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] | local | none }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authorization	Configure authorization methods
commands	Authorization for all exec-mode commands
config-commands	Authorization for config commands
default	Configure default methods
group	Specify server groups
<i>s0</i>	Server group name
<i>s1</i>	(Optional) Server group name
<i>s2</i>	(Optional) Server group name
<i>s3</i>	(Optional) Server group name
<i>s4</i>	(Optional) Server group name
<i>s5</i>	(Optional) Server group name
<i>s6</i>	(Optional) Server group name
<i>s7</i>	(Optional) Server group name
local	(Optional) Use local RBACL based authorization
none	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

- /exec/configure

## aaa authorization ssh default group

```
[no] aaa authorization { ssh-publickey | ssh-certificate } default { group <s0> [ { local1 | <s1> [ { local1 | <s2> [ { local1 | <s3> [ { local1 | <s4> [ { local1 | <s5> [ { local1 | <s6> [ { local1 | <s7> [ { local1 } ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] | local }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authorization	Configure authorization methods
ssh-publickey	Configure ssh publickey
ssh-certificate	Configure ssh certificate
default	Configure default ssh methods
group	Specify server groups
s0	Server group name
s1	(Optional) Server group name
s2	(Optional) Server group name
s3	(Optional) Server group name
s4	(Optional) Server group name
s5	(Optional) Server group name
s6	(Optional) Server group name
s7	(Optional) Server group name
local	Use local username authentication
local1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

### Command Mode

- /exec/configure

## aaa bypass-user

[no] aaa bypass-user <s0> { [ accounting ] [ authorization ] | [ authorization ] [ accounting ] }

### Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
bypass-user	Configure bypass user
s0	Enter the username
accounting	(Optional) Bypass accounting
authorization	(Optional) Bypass authorization

### Command Mode

- /exec/configure

# aaa group server ldap

[no] aaa group server ldap <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
group	Configure aaa server group
server	Configure aaa server group
ldap	LDAP server group name
s0	LDAP server group name

## Command Mode

- /exec/configure



# aaa group server radius

[no] aaa group server radius <s0>

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
group	Configure aaa server group
server	Configure aaa server group
radius	RADIUS server group name
s0	RADIUS server group name

## Command Mode

- /exec/configure

## aaa group server tacacs

[no] aaa group server tacacs <s0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
group	Configure aaa server group
server	Configure aaa server group
tacacs	TACACS+ server group name
s0	TACACS+ server group name

### Command Mode

- /exec/configure

# aaa server radius dynamic-author

[no] aaa server radius dynamic-author

## Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
server	Local AAA server
radius	Profile for local radius server
dynamic-author	Local server profile for RFC 5176 support

## Command Mode

- /exec/configure

## aaa user default-role

[no] aaa user default-role

### Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
user	Remotely authenticated user
default-role	Default role assigned by aaa-admin for remote authentication

### Command Mode

- /exec/configure

# abort

abort

## Syntax Description

abort	abort epbr session
-------	--------------------

## Command Mode

- /exec/configure/epbr-sess

# abort

abort

## Syntax Description

abort	Exit region configuration mode, aborting changes
-------	--

## Command Mode

- /exec/configure/spanning-tree/mst/configuration

# abort

abort [ session ]

## Syntax Description

abort	Abort the current configuration session
session	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

## Command Mode

- /exec/configure

# abort

abort

## Syntax Description

abort	Abort the current configuration session
-------	---

## Command Mode

- /exec/configure



# abort

abort

## Syntax Description

abort	abort itd session
-------	-------------------

## Command Mode

- /exec/configure/itd-session-device-group

# absolute-timeout

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

## Syntax Description

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

## Command Mode

- /exec/configure/line

# absolute start

```
{ [ <seqno> ] | no } absolute { start <stime> <sday> <smonth> <year> [ end <etime> <eday> <emonth> <eyear> ] | end <etime> <eday> <emonth> <eyear> }
```

## Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
absolute	Absolute time and date
start	Starting time and date
<i>stime</i>	Starting time
<i>sday</i>	Day of the month
<i>smonth</i>	Month
<i>year</i>	Year
end	(Optional) Ending time and date
<i>etime</i>	(Optional) Ending time
<i>eday</i>	(Optional) Day of the month
<i>emonth</i>	(Optional) Month
<i>eyear</i>	(Optional) Year

## Command Mode

- /exec/configure/timerange

```
accept-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

**accept-lifetime smonth\_a smonth\_b smonth\_c smonth\_d  
smonth\_e smonth\_f smonth\_g smonth\_h smonth\_i smonth\_j  
smonth\_k smonth\_l duration infinite emonth\_a emonth\_b  
emonth\_c emonth\_d emonth\_e emonth\_f emonth\_g emonth\_h  
emonth\_i emonth\_j emonth\_k emonth\_l**

```
{ { accept-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no accept-lifetime [ [ local ] <stime>
{ smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i |
smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b
| emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

#### Syntax Description

no	Negate a command or set its defaults
accept-lifetime	Set accept lifetime of key
local	(Optional) Specify time in local timezone
<i>stime</i>	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
<i>etime</i>	HH:MM:SS Time to end <0-23>:<0-59>:<0-59>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to start
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

**Command Mode**

- /exec/configure/keychain-key

# access-class

[no] access-class <name> <inout>

## Syntax Description

no	(Optional) Negate a command or set its defaults
access-class	Specify IPv4 access control for packets
<i>name</i>	List name
<i>inout</i>	Traffic direction

## Command Mode

- /exec/configure/line

# access-list

[no] access-list <acl-name> [ device-group <dgrp\_name> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
access-list	ITD access-list name
device-group	(Optional) device-group
<i>acl-name</i>	ITD user ACL name
<i>dgrp_name</i>	(Optional) access-list device-group name

## Command Mode

- /exec/configure/itd

# access-list ipv6

[no] access-list ipv6 <acl-name> [ device-group <dgrp\_name> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
access-list	ITD access-list name
ipv6	ipv6 access-list
device-group	(Optional) device-group
<i>acl-name</i>	ITD user ACL name
<i>dgrp_name</i>	(Optional) access-list ipv6 device-group name

## Command Mode

- /exec/configure/itd



# acllog match-log-level

[no] acllog match-log-level <level>

## Syntax Description

no	(Optional) Negate a command or set its defaults
acllog	Configure ACL logging
match-log-level	acllog logging level
<i>level</i>	match log level

## Command Mode

- /exec/configure

# action

[no] action <label>

## Syntax Description

no	Negate a command or set its defaults
action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9

## Command Mode

- /exec/configure/event-manager-applet

# action

[no] action { drop [ log ] | forward | redirect <intf> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
action	Specify the action clause
drop	Drop matched packets
log	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
forward	Forward matched packets
redirect	Redirect matched packets to the specified interface(s)
<i>intf</i>	Interface traffic is redirected to

## Command Mode

- /exec/configure/vacli

# action cli

```
action <label> cli [ local ] <vsh_cmd>
```

## Syntax Description

<code>action</code>	Configure the actions to be executed
<code>label</code>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
<code>cli</code>	Configure a VSH CLI action
<code>local</code>	(Optional) Execute the action in the same card on which the event happens
<code>vsh_cmd</code>	Enter the vsh command

## Command Mode

- /exec/configure/event-manager-applet

# action collect

```
action <label> collect { { <yaml_file> [ max-triggers <m_value> | rate-limit <value> | purge-time <p_value>
] + <component> } | disable }
```

## Syntax Description

<code>action</code>	Configure the actions to be executed
<code>label</code>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
<code>collect</code>	Collect debugging info using a yaml file
<code>yaml_file</code>	Enter the YAML input file or folder inside which yaml files are present. The path/name has to be relative to bootflash:scripts
<code>max-triggers</code>	(Optional) Limit number of triggers
<code>m_value</code>	(Optional) Enter the value in integer
<code>rate-limit</code>	(Optional) Limit trigger based collection for a period of time
<code>value</code>	(Optional) Enter value in seconds
<code>purge-time</code>	(Optional) Change the time period for which older files are purged
<code>p_value</code>	(Optional) Enter purge time value in minutes
<code>component</code>	Enter the component for tech-support collection
<code>disable</code>	Disable the trigger based collection

## Command Mode

- /exec/configure/event-manager-applet

## action counter name value op

action <label> counter name <counter-name> value <counter-value> op <op-val>

### Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
counter	Specify the name of the counter
name	Specify the name of the counter
<i>counter-name</i>	Name of the counter
value	Specify the value to be applied to the counter
<i>counter-value</i>	Enter an integer value or a \$ prefixed name (parameter substitution)
op	Specify the operator to be applied
<i>op-val</i>	Enter the value of the operator

### Command Mode

- /exec/configure/event-manager-applet

# action eem test

action <label> eem test <param>

## Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
eem	Event Manager command
test	Do test action
<i>param</i>	Test action parameter (dummy value)

## Command Mode

- /exec/configure/event-manager-applet

## action event-default

action <label> event-default

### Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
event-default	Do default action for the event

### Command Mode

- /exec/configure/event-manager-applet



## action forceshut reset-reason

```
[no] action <label2> forceshut [ { module { <module> | <mod-str> } | <s0> { <santa-cruz-range> | <santa-cruz-string> } } ] reset-reason <reset_reason_string>
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
action	Configure the actions to be executed
<i>label2</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
forceshut	Force the entire switch to shut down
module	(Optional) Optional. Module to be forced to shut down(optional argument)
<i>module</i>	(Optional) please enter the module number
<i>mod-str</i>	(Optional) Enter the module number (integer value) or a \$ prefixed parameter name
<i>s0</i>	(Optional) Optional. Xbar to be forced to shut down(optional argument)
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
<i>santa-cruz-string</i>	(Optional) Enter the xbar number (integer value) or a \$ prefixed parameter name
reset-reason	Shut down (with reset-reason)
<i>reset_reason_string</i>	please enter reset_reason_string in quotes

### Command Mode

- /exec/configure/event-manager-applet

# action overbudgetshut

[no] action <label> overbudgetshut [ module { <module> | <mod-str> } ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
overbudgetshut	Shut down the specified LCs due to power over budget
module	(Optional) Optional. Module to be force-shut(optional arg)
<i>module</i>	(Optional) please enter the module number
<i>mod-str</i>	(Optional) Enter the module number (integer value) or a \$ prefixed parameter name

## Command Mode

- /exec/configure/event-manager-applet

# action policy-default

action <label> policy-default

## Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
policy-default	Do default action(s) of the policy being overridden

## Command Mode

- /exec/configure/event-manager-applet

## action reload force

[no] action <label> reload [ module { <module> | <mod-str> } ] force

### Syntax Description

no	(Optional) Negate a command or set its defaults
action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
reload	Reload the system or a specific module
module	(Optional) Reload a specific module
force	reload without prompting
<i>module</i>	(Optional) please enter the module number
<i>mod-str</i>	(Optional) Enter the module number (integer value) or a \$ prefixed parameter name

### Command Mode

- /exec/configure/event-manager-applet

## action snmp-trap

action <label> snmp-trap [ intdata1 <integer-data1> ] [ intdata2 <integer-data2> ] [ strdata <string-data> ]

### Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
snmp-trap	Send
intdata1	(Optional) Enter
<i>integer-data1</i>	(Optional) Integer
intdata2	(Optional) Enter
<i>integer-data2</i>	(Optional) Integer
strdata	(Optional) Enter
<i>string-data</i>	(Optional) String

### Command Mode

- /exec/configure/event-manager-applet

## action syslog msg

action <label> syslog [ priority { <prio> | <prio-str> } ] msg <msg-text>

### Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
syslog	Generate a syslog message
priority	(Optional) Priority of the syslog message
<i>prio</i>	(Optional) Enter the priority
<i>prio-str</i>	(Optional) Enter a valid \$ prefixed name, for parameter substitution
msg	Enter the message for the syslog
<i>msg-text</i>	The message text

### Command Mode

- /exec/configure/event-manager-applet

# activate mode-100M

[no] activate mode-100M

## Syntax Description

no	(Optional) Negate a command or set its defaults
activate	Activate new mode
mode-100M	Activate mode-100M

## Command Mode

- /exec/configure

# additional-paths install backup

[no] additional-paths install backup

## Syntax Description

no	(Optional) Negate a command or set its defaults
additional-paths	Additional paths configuration
install	Install backup path
backup	Install backup path

## Command Mode

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



# additional-paths receive

[no] additional-paths receive

## Syntax Description

no	(Optional) Negate a command or set its defaults
additional-paths	Additional paths configuration
receive	Additional paths Receive capability

## Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-ipv4-mvpn  
/exec/configure/router-bgp/router-bgp-af-ipv6-mvpn /exec/configure/router-bgp/router-bgp-af-vpn4  
/exec/configure/router-bgp/router-bgp-af-vpn6 /exec/configure/router-bgp/router-bgp-af-ipv4-label  
/exec/configure/router-bgp/router-bgp-af-ipv6-label /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

## additional-paths selection route-map

[no] additional-paths selection route-map <rmap-name>

### Syntax Description

no	(Optional) Negate a command or set its defaults
additional-paths	Additional paths configuration
selection	Additional paths selection
route-map	Route-map for additional paths selection
<i>rmap-name</i>	Route-map name

### Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-vpnv4  
/exec/configure/router-bgp/router-bgp-af-vpnv6 /exec/configure/router-bgp/router-bgp-af-ipv6-label  
/exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn  
/exec/configure/router-bgp/router-bgp-af-ipv4-label /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

# additional-paths send

[no] additional-paths send

## Syntax Description

no	(Optional) Negate a command or set its defaults
additional-paths	Additional paths configuration
send	Additional paths Send capability

## Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-ipv4  
/exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-af-ipv6-label  
/exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn  
/exec/configure/router-bgp/router-bgp-af-ipv4-label /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

# address-family ipv4

[no] address-family ipv4

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family

## Command Mode

- /exec/configure/config-sr-mpls/config-sr-mpls-conn-pfxsid

# address-family ipv4 labeled-unicast

[no] address-family ipv4 labeled-unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
labeled-unicast	Configure labeled unicast sub-address-family

## Command Mode

- /exec/configure/router-bgp

## address-family ipv4 labeled-unicast

{ [ no | default ] } address-family ipv4 labeled-unicast

### Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv4	Configure IPv4 address-family
labeled-unicast	Configure labeled unicast sub-address-family

### Command Mode

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

# address-family ipv4 mdt

[no] address-family ipv4 mdt

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mdt	Configure Multicast Distribution Tree

## Command Mode

- /exec/configure/router-bgp

# address-family ipv4 mdt

{ [ no | default ] } address-family ipv4 mdt

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mdt	Configure Multicast Distribution Tree

## Command Mode

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



# address-family ipv4 mvpn

[no] address-family ipv4 mvpn

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mvpn	Configure Multicast VPN

## Command Mode

- /exec/configure/router-bgp

# address-family ipv4 mvpn

{ [ no | default ] } address-family ipv4 mvpn

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mvpn	Configure Multicast VPN

## Command Mode

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

# address-family ipv4 unicast

[ no | default ] address-family ipv4 { unicast | multicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv4	Configure IPv4 address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-neighbor
- /exec/configure/router-bgp/router-bgp-vrf-prefixneighbor

# address-family ipv4 unicast

[no] address-family ipv4 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family

## Command Mode

- /exec/configure/router-rip

# address-family ipv4 unicast

[no] address-family ipv4 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family

## Command Mode

- /exec/configure/router-rip/router-rip-vrf

# address-family ipv4 unicast

[no] { address-family ipv4 unicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure Address Family and its parameters
ipv4	Configure IPv4 Address Family parameters
unicast	Unicast

## Command Mode

- /exec/configure/mpls\_static

# address-family ipv4 unicast

[no] address-family ipv4 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# address-family ipv4 unicast

[no] address-family ipv4 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family

## Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common



# address-family ipv4 unicast

[no] address-family ipv4 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure address family
ipv4	Configure IPv4 address family
unicast	Configure Unicast address family

## Command Mode

- /exec/configure/vrf

# address-family ipv4 unicast

[no] address-family ipv4 { unicast | multicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family
multicast	Configure multicast address-family

## Command Mode

- /exec/configure/router-bgp

# address-family ipv4 unicast

[no] address-family ipv4 { unicast | multicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family
multicast	Configure multicast address-family

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

# address-family ipv4 unicast

{ [ no | default ] } address-family ipv4 { unicast | multicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv4	Configure IPv4 address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family

## Command Mode

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

# address-family ipv6 labeled-unicast

{ [ no | default ] } address-family ipv6 labeled-unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv6	Configure IPv6 address-family
labeled-unicast	Configure labeled unicast sub-address-family

## Command Mode

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

# address-family ipv6 labeled-unicast

[no] address-family ipv6 labeled-unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
labeled-unicast	Configure labeled unicast sub-address-family

## Command Mode

- /exec/configure/router-bgp

# address-family ipv6 mvpn

[no] address-family ipv6 mvpn

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
mvpn	Configure Multicast VPN

## Command Mode

- /exec/configure/router-bgp

# address-family ipv6 mvpn

{ [ no | default ] } address-family ipv6 mvpn

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
mvpn	Configure Multicast VPN

## Command Mode

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



# address-family ipv6 unicast

[no] address-family ipv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure address family
ipv6	Configure IPv6 address family
unicast	Configure Unicast address family

## Command Mode

- /exec/configure/vrf

# address-family ipv6 unicast

[no] address-family ipv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

## Command Mode

- /exec/configure/router-rip

# address-family ipv6 unicast

[no] address-family ipv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

## Command Mode

- /exec/configure/router-rip/router-rip-vrf

# address-family ipv6 unicast

[no] { address-family ipv6 unicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure Address Family and its parameters
ipv6	Configure IPv6 Address Family parameters
unicast	Unicast

## Command Mode

- /exec/configure/mpls\_static

# address-family ipv6 unicast

[no] address-family ipv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# address-family ipv6 unicast

[no] address-family ipv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure IPv6 unicast address-family

## Command Mode

- /exec/configure/router-ospf3

# address-family ipv6 unicast

[no] address-family ipv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure IPv6 unicast address-family

## Command Mode

- /exec/configure/router-ospf3/vrf

# address-family ipv6 unicast

[no] address-family ipv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

## Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common



# address-family ipv6 unicast

[no] address-family ipv6 { unicast | multicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family
multicast	Configure multicast address-family

## Command Mode

- /exec/configure/router-bgp

# address-family ipv6 unicast

[no] address-family ipv6 { unicast | multicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family
multicast	Configure multicast address-family

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

# address-family ipv6 unicast

{ [ no | default ] } address-family ipv6 { unicast | multicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv6	Configure IPv6 address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family

## Command Mode

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

# address-family ipv6 unicast

[ no | default ] address-family ipv6 { unicast | multicast }

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv6	Configure IPv6 address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-neighbor
- /exec/configure/router-bgp/router-bgp-vrf-prefixneighbor

# address-family l2vpn evpn

[no] address-family l2vpn evpn

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
l2vpn	Configure L2VPN address-family
evpn	Configure L2VPN EVPN address-family

## Command Mode

- /exec/configure/router-bgp

## address-family l2vpn evpn

{ [ no | default ] } address-family l2vpn evpn

### Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
l2vpn	Configure L2VPN address-family
evpn	Configure L2VPN EVPN address-family

### Command Mode

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

# address-family l2vpn vpls

[no] address-family l2vpn vpls

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
l2vpn	Configure L2VPN address-family
vpls	Configure L2VPN VPLS address-family

## Command Mode

- /exec/configure/router-bgp

## address-family l2vpn vpls

{ [ no | default ] } address-family l2vpn vpls

### Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
l2vpn	Configure L2VPN address-family
vpls	Configure L2VPN VPLS address-family

### Command Mode

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



# address-family link-state

[no] address-family link-state

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
link-state	Configure link-state address-family

## Command Mode

- /exec/configure/router-bgp

# address-family link-state

{ [ no | default ] } address-family link-state

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
link-state	Configure link-state address-family

## Command Mode

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

# address-family vpnv4 unicast

{ [ no | default ] } address-family vpnv4 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
vpnv4	Configure IPv4 VPN address-family
unicast	Configure Unicast sub-address-family

## Command Mode

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

# address-family vpnv4 unicast

[no] address-family vpnv4 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
vpnv4	Configure IPv4 VPN address-family
unicast	Configure Unicast sub-address-family

## Command Mode

- /exec/configure/router-bgp

# address-family vpnv6 unicast

{ [ no | default ] } address-family vpnv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
vpnv6	Configure IPv6 VPN address-family
unicast	Configure Unicast sub-address-family

## Command Mode

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

# address-family vpnv6 unicast

[no] address-family vpnv6 unicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
vpnv6	Configure IPv6 VPN address-family
unicast	Configure Unicast sub-address-family

## Command Mode

- /exec/configure/router-bgp

# address

[no] address <ip\_addr> [ primary ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address
primary	(Optional) Primary Address
<i>ip_addr</i>	IPv4 Address

## Command Mode

- /exec/configure/if-eth-any/vrrpv3\_ipv4

# address

[no] address <start-ip> <end-ip>

## Syntax Description

no	(Optional) Negate a command or set its defaults
address	Address range for the pool
<i>start-ip</i>	Start IP address
<i>end-ip</i>	End IP address

## Command Mode

- /exec/configure/ipnat-pool



# address

```
{ address <ip_address> | no address [ <ip_address> ] }
```

## Syntax Description

no	Negate a command or set its defaults
address	Add an IP address to the vr
<i>ip_address</i>	ip address

## Command Mode

- /exec/configure/if-eth-any/vrrp

# address

[no] address <ipv6\_addr>

## Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address

## Command Mode

- /exec/configure/if-eth-any/vrrpv3\_ipv6

# address

[no] address <ip\_addr>

## Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address configuration
<i>ip_addr</i>	IP Address

## Command Mode

- /exec/configure/if-eth-any/vrrs

# address

[no] address <ipv6\_addr>

## Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address configuration

## Command Mode

- /exec/configure/if-eth-any/vrrs

# address port-number

address { <ipv4-addr> | <ipv6-addr> } port-number <port-number> | no address

## Syntax Description

no	Negate a command or set its defaults
address	Configure IPv4 or IPv6 address
<i>ipv4-addr</i>	IPv4 address of the BMP server
port-number	Configure the port for the BMP server
<i>port-number</i>	Port number value

## Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

# address primary

[no] address <ipv6\_addr> primary

## Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address
primary	Primary Address

## Command Mode

- /exec/configure/if-eth-any/vrrpv3\_ipv6

# address secondary

{ address <ip\_address> secondary | no address <ip\_address> secondary }

## Syntax Description

no	Negate a command or set its defaults
address	Add an IP address to the vr
<i>ip_address</i>	ip address
secondary	a virtual IP address without owner

## Command Mode

- /exec/configure/if-eth-any/vrrp

# address secondary

[no] address <ip\_addr> secondary

## Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address
secondary	Secondary Address
<i>ip_addr</i>	IPv4 Address

## Command Mode

- /exec/configure/if-eth-any/vrrpv3\_ipv4



# adjacency-check

[no] adjacency-check

## Syntax Description

no	(Optional) Negate a command or set its defaults
adjacency-check	Adjacency's protocol support consistency check

## Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

# advertise-gateway

[no] advertise-gateway

## Syntax Description

no	(Optional) Negate a command or set its defaults
advertise-gateway	Advertise Gateway Mode

## Command Mode

- /exec/configure/if-vlan/hybrid

# advertise-gw-ip

[ no | default ] advertise-gw-ip

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
advertise-gw-ip	Advertise Gateway IP in Type-5 routes to neighbor

## Command Mode

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

# advertise-labels

```
[no] advertise-labels [ vrf { <vrf-name> | <vrf-known-name> } ] [ [ for <pfx-list> [ to <peer-pfx-list> ] ] ] [ interface <intf> ] ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
advertise-labels	Label advertisements
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
for	(Optional) Prefix list specifying controls on destination prefixes
<i>pfx-list</i>	(Optional) Name of prefix list
to	(Optional) Prefix list specifying controls on LDP peers
<i>peer-pfx-list</i>	(Optional) Name of prefix list
interface	(Optional) Advertise /32 interface address
<i>intf</i>	(Optional)

## Command Mode

- /exec/configure/ldp

## advertise-map exist default advertise-map

```
{ [ no ] advertise-map <adv-t-rmap-name> { exist-map | non-exist-map } <cond-rmap-name> } | default
advertise-map
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
default	Inherit values from a peer template
advertise-map	Specify route-map for conditional advertisement
exist-map	Condition route-map to advertise only when prefix in condition exists
non-exist-map	Condition route-map to advertise only when prefix in condition does not exist
<i>adv-t-rmap-name</i>	Route-map name
<i>cond-rmap-name</i>	Route-map name

### Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

# advertise-pip

[no] advertise-pip

## Syntax Description

no	(Optional) Negate a command or set its defaults
advertise-pip	advertise physical ip for type-5 route

## Command Mode

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

# advertise-system-mac

[no] advertise-system-mac

## Syntax Description

no	(Optional) Negate a command or set its defaults
advertise-system-mac	Advertise extra EVPN RT-2 with system MAC

## Command Mode

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

# advertise evpn multicast

[no] advertise evpn multicast

## Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Advertise L2 multicast capability
evpn	evpn
multicast	L2 multicast

## Command Mode

- /exec/configure



# advertise interface

[no] advertise interface <interface> [ <level> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Advertise interface IP
interface	Advertise interface IP
<i>interface</i>	Interface to advertise
<i>level</i>	(Optional) IS-IS level

## Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

# advertise local-labeled-route

[ no | default ] advertise local-labeled-route

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
advertise	Advertise to peer
local-labeled-route	Advertise a route with local label to peer

## Command Mode

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

# advertise passive-only level-1

[no] advertise passive-only level-1

## Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Control what we advertise in our LSP
passive-only	Advertise prefixes of passive interfaces only
level-1	Advertise prefixes of passive interfaces only on level-1

## Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

## advertise passive-only level-2

[no] advertise passive-only level-2

### Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Control what we advertise in our LSP
passive-only	Advertise prefixes of passive interfaces only
level-2	Advertise prefixes of passive interfaces only on level-2

### Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

# advertise virtual-rmac

[no] advertise virtual-rmac

## Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Reachability advertisement
virtual-rmac	Advertise virtual RMAC capability

## Command Mode

- /exec/configure/if-nve

# advertisement-interval

```
{ advertisement-interval <interval_time> | no advertisement-interval [ <interval_time> ] }
```

## Syntax Description

no	Negate a command or set its defaults
advertisement-interval	Set the time interval between advertisement
<i>interval_time</i>	Time interval (in seconds) between advertisements

## Command Mode

- /exec/configure/if-eth-any/vrrp

# advertisement-interval

advertisement-interval <adv-sec> | { no | default } advertisement-interval [ <adv-sec> ]

## Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
advertisement-interval	Minimum interval between sending BGP routing updates
<i>adv-sec</i>	Time in seconds

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4  
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6

# afd queue-desired

[no] afd queue-desired <q-desired> { bytes | kbytes | mbytes } [ ecn ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
afd	Configure AFD parameters
queue-desired	Specify Queue Desired for AFD
bytes	Bytes
kbytes	Kilo bytes
mbytes	Mega bytes
ecn	(Optional) ECN

## Command Mode

- /exec/configure/policy-map/type/queuing/class



# affinity-group

```
{ affinity-group <affinity_group_id> } | { { no | default } affinity-group [ <affinity_group_id> ] }
```

## Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
affinity-group	Configure an affinity group
<i>affinity_group_id</i>	Affinity Group ID

## Command Mode

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

# affinity-group activate

affinity-group activate <affinity\_group\_id> | no affinity-group activate [ <affinity\_group\_id> ]

## Syntax Description

no	Negate a command or set its defaults
affinity-group	Configure an affinity group
activate	Activate the affinity group
<i>affinity_group_id</i>	AFFINITY Group ID

## Command Mode

- /exec/configure/router-bgp

# affinity-map

[no] affinity-map

## Syntax Description

no	(Optional) Negate a command or set its defaults
affinity-map	Configure Affinity map

## Command Mode

- /exec/configure/sr/te

# affinity

[no] affinity

## Syntax Description

no	(Optional) Negate a command or set its defaults
affinity	Configure Affinity Constraints

## Command Mode

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

# affinity

[no] affinity

## Syntax Description

no	(Optional) Negate a command or set its defaults
affinity	Configure Affinity Constraints

## Command Mode

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

# affinity

[no] affinity

## Syntax Description

no	(Optional) Negate a command or set its defaults
affinity	Specify the interface affinities

## Command Mode

- /exec/configure/sr/te/if

# age

{ [ no ] age <age> | no age }

## Syntax Description

age	Provide the age value for this POSTCARD flow-profile
<i>age</i>	flow-profile age (seconds). Default is 30.

## Command Mode

- /exec/configure/config-postcard-flow-prof

# age

{ [ no ] age <age> | no age }

## Syntax Description

age	Provide the age value for this INT flow-profile
<i>age</i>	flow-profile age (seconds). Default is 30.

## Command Mode

- /exec/configure/config-int-flow-prof



# aggregate-address

[no] aggregate-address { <ip-addr> <ip-mask> | <ip-prefix> } [ as-set | summary-only | suppress-map <suppress-rmap> | advertise-map <advertise-rmap> | attribute-map <attribute-rmap> ] +

## Syntax Description

no	(Optional) Negate a command or set its defaults
aggregate-address	Configure BGP aggregate prefixes
<i>ip-addr</i>	Aggregate address
<i>ip-mask</i>	Aggregate mask
<i>ip-prefix</i>	Aggregate prefix
summary-only	(Optional) Don't advertise more specifics
as-set	(Optional) Generate AS-SET information
suppress-map	(Optional) Conditionally filter more specific routes
advertise-map	(Optional) Select attribute information from specific routes
attribute-map	(Optional) Set attribute information of aggregate
<i>advertise-rmap</i>	(Optional) Route-map name
<i>suppress-rmap</i>	(Optional) Route-map name
<i>attribute-rmap</i>	(Optional) Route-map name

## Command Mode

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

# aggregate-address

[no] aggregate-address <ipv6-prefix> [ as-set | summary-only | suppress-map <suppress-rmap> | advertise-map <advertise-rmap> | attribute-map <attribute-rmap> ] +

## Syntax Description

no	(Optional) Negate a command or set its defaults
aggregate-address	Configure BGP aggregate IPv6 prefixes
as-set	(Optional) Generate AS-SET information
summary-only	(Optional) Don't advertise more specifics
suppress-map	(Optional) Conditionally filter more specific routes
advertise-map	(Optional) Select attribute information from specific routes
attribute-map	(Optional) Set attribute information of aggregate
<i>advertise-rmap</i>	(Optional) Route-map name
<i>suppress-rmap</i>	(Optional) Route-map name
<i>attribute-rmap</i>	(Optional) Route-map name

## Command Mode

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

## alert-group user-def-cmd

```
{ alert-group { Configuration | Diagnostic | Environmental | Inventory | License | Linecard-Hardware |
Supervisor-Hardware | Syslog-group-port | System | Test } [ index <i0> ] user-def-cmd <s0> | no alert-group
{ Configuration | Diagnostic | Environmental | Inventory | License | Linecard-Hardware | Supervisor-Hardware
| Syslog-group-port | System | Test } index <i0> }
```

### Syntax Description

no	Negate a command or set its defaults
alert-group	alert group
user-def-cmd	configure a cli command for an alert group
index	(Optional) configure an index(1 to 5) for the cli command for the alert group
<i>i0</i>	(Optional) Index between 1 to 5 associate with cli command for an alert group
<i>s0</i>	A valid CLI command
Environmental	Power,fan,temperature related events
Inventory	Inventory status events
License	Events related to licensing
Linecard-Hardware	Linecard related events
Supervisor-Hardware	Supervisor related events
Syslog-group-port	Events related to syslog messages filed by port manager
System	Software related events
Test	User generated test events
Configuration	Events related to Configuration
Diagnostic	Events related to Diagnostic

### Command Mode

- /exec/configure/callhome

# alloc mode

[no] alloc mode <sid-alloc-mode>

## Syntax Description

no	(Optional) Negate a command or set its defaults
alloc	Sid allocation parameters
mode	Specify sid allocation mode
<i>sid-alloc-mode</i>	

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af/router-bgp-vrf-af-srv6  
/exec/configure/router-bgp/router-bgp-af/router-bgp-af-srv6

# alloc mode

[no] alloc mode <sid-alloc-mode>

## Syntax Description

no	(Optional) Negate a command or set its defaults
alloc	Sid allocation parameters
mode	Specify sid allocation mode
<i>sid-alloc-mode</i>	

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf/router-bgp-vrf-srv6 /exec/configure/router-bgp/router-bgp-srv6

# allocate-index

{ allocate-index <id> } | { no allocate-index [ <id> ] }

## Syntax Description

no	Unconfigure allocate-index
allocate-index	Configure allocate-index
<i>id</i>	Specify allocate-index

## Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

# allocate-label all

[no] allocate-label { all | route-map <map-name> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
allocate-label	Configure label allocation for this AF
all	Allocate labels for all routes
route-map	Allocate labels for selected routes
<i>rmap-name</i>	Route-map name

## Command Mode

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

# allocate-label option-b

[no] allocate-label option-b

## Syntax Description

no	(Optional) Negate a command or set its defaults
allocate-label	Allow allocation of labels
option-b	Allow allocation of option B labels

## Command Mode

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



# allocate1 interface2

```
allocate1 interface2 { <interface-id> [ force ] | unallocated-interfaces }
```

## Syntax Description

allocate1	Assign interfaces to vdc
interface2	Assign interface range to vdc
<i>interface-id</i>	Assign interface range to vdc
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
unallocated-interfaces	Best-effort trying to move all interfaces in the unallocated pool into this vdc

## Command Mode

- /exec/configure/vdc

## allocate2 fcoe-vlan-range

```
{ allocate2 fcoe-vlan-range [ <vlan_range> ] [ from vdc <vdc_names> ] } | { no allocate2 fcoe-vlan-range
[ <vlan_range> | { from vdc <vdc_names> } ] }
```

### Syntax Description

no	Negate a command or set its defaults
allocate2	Assign interfaces to vdc
fcoe-vlan-range	vlan reserved for FCoE
<i>vlan_range</i>	(Optional) vlans reserved for FCoE
from	(Optional) which vdc will be sharing ports with the FCoE vdc
vdc	(Optional) which vdc will be sharing ports with the FCoE vdc
<i>vdc_names</i>	(Optional) which vdc will be sharing porst with the FCoE vdc

### Command Mode

- /exec/configure/vdc

# allocate3 shared interface3

[no] allocate3 shared interface3 <sinterface-id>

## Syntax Description

no	(Optional) Negate a command or set its defaults
allocate3	Assign interfaces to vdc
interface3	Assign interface range to vdc
<i>sinterface-id</i>	Assign interface range to vdc
shared	Shared this port using the reserved FCoE vlans

## Command Mode

- /exec/configure/vdc

# allow-vni-in-ethertag

[no] allow-vni-in-ethertag

## Syntax Description

no	(Optional) Negate a command or set its defaults
allow-vni-in-ethertag	Allow VNI in Ethernet Tag field in EVPN route

## Command Mode

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

# allow feature-set

[no] allow feature-set <fs>

## Syntax Description

no	(Optional) Negate a command or set its defaults
allow	Used to change permissions inside a vdc
feature-set	Change which feature-sets the user is able to enable inside the vdc
<i>fs</i>	installed feature-sets

## Command Mode

- /exec/configure/vdc

# allowas-in

[ no | default ] allowas-in [ <allowas-in-cnt> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
allowas-in	Accept as-path with my AS present in it
<i>allowas-in-cnt</i>	(Optional) Number of occurrences of AS number, default is 3

## Command Mode

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

# allowas-in

[ no | default ] allowas-in [ <allowas-in-cnt> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
allowas-in	Accept as-path with my AS present in it
<i>allowas-in-cnt</i>	(Optional) Number of occurrences of AS number, default is 3

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-link-state
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

# allowed-locators

```
{ [ no ] allowed-locators { <rloc> | <rloc6> } + }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
allowed-locators	List of locators from LISP site
<i>rloc</i>	IPv4 locator allowed in registered locator-set

## Command Mode

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



# allowed-vlans

allowed-vlans { <allow-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all }

## Syntax Description

allowed-vlans	Set list of allowed vlans that can be used for interface configuration
<i>allow-vlans</i>	VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
add	add VLANs to the current list
<i>add-vlans</i>	VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
except	all VLANs except the following
<i>except-vlans</i>	VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
all	all VLANs

## Command Mode

- /exec/configure/vmt-conn

# amt flush-routes

[no] amt flush-routes

## Syntax Description

no	(Optional) Negate a command or set its defaults
amt	AMT global configuration commands
flush-routes	Remove routes when restarting AMT

## Command Mode

- /exec/configure /exec/configure/vrf

# amt pseudo-interface

```
{ { amt pseudo-interface <interface> } | { no amt pseudo-interface [ <interface> ] } }
```

## Syntax Description

no	Negate a command or set its defaults
amt	AMT global configuration commands
pseudo-interface	Tunnel to relay for forwarding IGMP/MLD messages
<i>interface</i>	Interface name to be used for AMT pseudo interface

## Command Mode

- /exec/configure /exec/configure/vrf

# analytics cluster

[no] analytics cluster <clustername> [ vrf <vrfName> ] [ srcIf <src\_intf> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
analytics	Feature Analytics
cluster	Analytics cluster
<i>clustername</i>	Cluster name
vrf	(Optional) VRF Name
<i>vrfName</i>	(Optional) VRF name
srcIf	(Optional) Source Interface
<i>src_intf</i>	(Optional) Source Interface

## Command Mode

- /exec/configure

# announce duration

[no] announce duration <sec> [ renew-offset <off> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
announce	announce
duration	session duration
renew-offset	(Optional) session duration renewal offset
<i>sec</i>	seconds
<i>off</i>	(Optional) offset

## Command Mode

- /exec/configure/ptp-ucast-nego-schema

# announce duration range

[no] announce duration range <min> <max>

## Syntax Description

no	(Optional) Negate a command or set its defaults
announce	announce
duration	session duration
range	range of acceptable values
<i>min</i>	minimum in seconds
<i>max</i>	maximum in seconds

## Command Mode

- /exec/configure/ptp-ucast-nego-schema

# announce interval

[no] announce interval <intv>

## Syntax Description

no	(Optional) Negate a command or set its defaults
announce	announce
interval	interval
<i>intv</i>	log seconds

## Command Mode

- /exec/configure/ptp-ucast-nego-schema

# announce interval range

[no] announce interval range <min> <max>

## Syntax Description

no	(Optional) Negate a command or set its defaults
announce	announce
interval	interval
range	range of acceptable values
<i>min</i>	minimum in log seconds
<i>max</i>	maximum in log seconds

## Command Mode

- /exec/configure/ptp-ucastr-nego-schema



# anonymous-id

{ [ no ] anonymous-id <id> }

## Syntax Description

anonymous-id	anonymous identity associated with this profile
<i>id</i>	identity name

## Command Mode

- /exec/configure/dot1x-cred

# anti-jam disable

[no] anti-jam disable

## Syntax Description

no	(Optional) Negate a command or set its defaults
anti-jam	Anti-jam mode configuration
disable	Disable anti-jam mode

## Command Mode

- /exec/configure/gnss-if

# apply profile

```
[no] apply profile { <all_conf_profile_name> } [ include-profile <include-profile> ] [ { param-instance <plistinst> | include-instance <plistinst> } + ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
apply	Apply a config-profile
profile	Apply a config-profile
<i>all_conf_profile_name</i>	Enter the name of the profile
param-instance	(Optional) Enter the name of the param-instance
<i>plistinst</i>	(Optional) Enter the name of the instance
include-profile	(Optional) Enter the name of the include profile
<i>include-profile</i>	(Optional) Enter the name of the include profile
include-instance	(Optional) Enter the param-instance corresponding to the first included profile
<i>plistinst</i>	(Optional) Enter the name of the include instance

## Command Mode

- /exec/configure

## area authentication

[no] area <area-id-ip> authentication [ message-digest ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
authentication	Enable authentication for the area
message-digest	(Optional) Use message-digest authentication

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

## area authentication disable ipsec spi md5

```
{ [ no ] area <area-id-ip> authentication { disable | ipsec spi <spi_id> { md5 <akey> | sha1 <akey> } } } | {
no area <area-id-ip> authentication { disable | ipsec spi <spi_id> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
authentication	Enable Authentication
disable	Disable Authentication
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
md5	Use the MD5 algorithm
<i>akey</i>	Authentication Key
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key

### Command Mode

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

## area default-cost

```
{ { area <area-id-ip> default-cost <cost> } | { no area <area-id-ip> default-cost [ <cost> ] } }
```

### Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
default-cost	Specify default-cost for default summary LSA
<i>cost</i>	Cost value

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

## area default-cost

```
{ { area <area-id-ip> default-cost <cost> } | { no area <area-id-ip> default-cost [ <cost> ] } }
```

### Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
default-cost	Specify default-cost for default inter-area-prefix LSA
<i>cost</i>	Cost value

### Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

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

```
{ [ no ] area <area-id-ip> encryption { disable | ipsec spi <spi_id> esp { 3des <ekey> | aes { 128 <ekey> } } authentication { sha1 <akey> | null } } } | { [ no ] area <area-id-ip> encryption { disable | ipsec spi <spi_id> esp null authentication { sha1 <akey> } } } | { no encryption ipsec spi <spi_id> }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
encryption	Enable Encryption on all Interface belong to this Area
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
null	Use NULL authentication

### Command Mode

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



## area filter-list route-map in

```
{ area <area-id-ip> filter-list route-map { <policy-name> | <rtr_pol_name> } { in | out } } | { no area
<area-id-ip> filter-list route-map { <policy-name> | <rtr_pol_name> } [ in | out ] }
```

### Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas
route-map	Name of filter policy
<i>policy-name</i>	Route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy
in	Filter networks sent to this area
out	Filter networks sent from this area

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

## area filter-list route-map in

```
{ area <area-id-ip> filter-list route-map { <policy-name> | <rtr_pol_name> } { in | out } } | { no area
<area-id-ip> filter-list route-map { <policy-name> | <rtr_pol_name> } [ in | out ] }
```

### Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas
route-map	Name of filter policy
<i>policy-name</i>	Route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy
in	Filter networks sent to this area
out	Filter networks sent from this area

### Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

## area nssa

[no] area <area-id-ip> nssa { [ no-summary ] [ no-redistribution ] [ default-information-originate [ route-map <policy-name> ] ] } +

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
nssa	Configure area as NSSA
no-summary	(Optional) Do not send summary LSAs into NSSA area
no-redistribution	(Optional) Do not send redistributed LSAs into NSSA area
default-information-originate	(Optional) Originate Type-7 default LSA into NSSA area
route-map	(Optional) Policy to control distribution of default route
<i>policy-name</i>	(Optional) Route-map name

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

## area nssa

[no] area <area-id-ip> nssa { [ no-summary ] [ no-redistribution ] [ default-information-originate [ route-map <policy-name> ] ] } +

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
nssa	Configure area as NSSA
no-summary	(Optional) Do not send summary LSAs into NSSA area
no-redistribution	(Optional) Do not send redistributed LSAs into NSSA area
default-information-originate	(Optional) Originate Type-7 default LSA into NSSA area
route-map	(Optional) Policy to control distribution of default route
<i>policy-name</i>	(Optional) Route-map name

### Command Mode

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

## area nssa translate type7 always never supress-fa

```
{ area <area-id-ip> nssa translate type7 { always [ supress-fa ] | never | supress-fa } } | { no area <area-id-ip>
nssa translate type7 [ always [ supress-fa ] | never | supress-fa ] }
```

### Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
nssa	Configure area as NSSA
translate	Translate LSA
type7	From NSSA-external (Type 7) to AS-external (Type 5)
always	Always translate LSAs
never	Never translate LSAs
supress-fa	(Optional) Supress forwarding address in translated LSAs

### Command Mode

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

## area nssa translate type7 always never supress-fa

```
{ area <area-id-ip> nssa translate type7 { always [ supress-fa ] | never | supress-fa } } | { no area <area-id-ip>
nssa translate type7 [ always [ supress-fa ] | never | supress-fa ] }
```

### Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
nssa	Configure area as NSSA
translate	Translate LSA
type7	From Type 7 to Type 5
always	Always translate LSAs
never	Never translate LSAs
supress-fa	(Optional) Supress forwarding address in translated LSAs

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

## area range

[no] area <area-id-ip> range <ipv6-prefix> { [ not-advertise ] [ cost <conf-cost> ] } +

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
range	Configure an address range for an area
not-advertise	(Optional) Suppress advertising the specified range
cost	(Optional) Cost to use for range
<i>conf-cost</i>	(Optional) Cost value

### Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

## area range

```
[no] area <area-id-ip> range { <ip-dest> <ip-mask> | <ip-prefix> } { [ not-advertise ] [ cost <conf-cost> ] }
```

+

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
range	Configure an address range for an area
<i>ip-dest</i>	IP prefix format: i.i.i.i
<i>ip-mask</i>	IP network mask format: m.m.m.m
<i>ip-prefix</i>	IP prefix format: x.x.x.x/ml
not-advertise	(Optional) Suppress advertising the specified range
cost	(Optional) Cost to use for range
<i>conf-cost</i>	(Optional) Cost value

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf



## area segment-routing mpls

[no] area <area-id-ip> segment-routing { mpls | disable }

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
segment-routing	Segment routing parameters
disable	Disable segment routing in area
mpls	Enable segment routing MPLS in area

### Command Mode

- /exec/configure/router-ospf

## area sham-link

[no] area <area-id-ip> sham-link <source-address> <dest-address>

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
sham-link	Define a sham link and its parameters
<i>source-address</i>	IP addr associated with sham-link source
<i>dest-address</i>	IP addr associated with sham-link destination

### Command Mode

- /exec/configure/router-ospf/vrf

# area stub

[no] area <area-id-ip> stub [ no-summary ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
stub	Configure area as a stub
no-summary	(Optional) Prevent ABR from sending summary LSAs into stub area

## Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

# area stub

[no] area <area-id-ip> stub [ no-summary ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
stub	Configure area as a stub
no-summary	(Optional) Prevent ABR from sending summary LSAs into stub area

## Command Mode

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

# area virtual-link

[no] area <area-id-ip> virtual-link <routerid>

## Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
<i>routerid</i>	Router ID associated with virtual link neighbor

## Command Mode

- /exec/configure/router-ospf3

## area virtual-link

[no] area <area-id-ip> virtual-link <routerid>

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
<i>routerid</i>	Router ID associated with virtual link neighbor

### Command Mode

- /exec/configure/router-ospf3/vrf

## area virtual-link

[no] area <area-id-ip> virtual-link <routerid>

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
<i>routerid</i>	Router ID associated with virtual link neighbor

### Command Mode

- /exec/configure/router-ospf

## area virtual-link

[no] area <area-id-ip> virtual-link <routerid>

### Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
<i>routerid</i>	Router ID associated with virtual link neighbor

### Command Mode

- /exec/configure/router-ospf/vrf



# arp access-list

[no] arp access-list <name>

## Syntax Description

no	(Optional) Negate a command or set its defaults
arp	ARP access-list configuration commands
access-list	Configure access list
<i>name</i>	List name

## Command Mode

- /exec/configure

## as-format asdot

as-format asdot | no as-format

### Syntax Description

no	Negate a command or set its defaults
as-format	Configure the router's Autonomous system number (ASN) notation
asdot	Specifies the Autonomous system number (ASN) notation to asdot format

### Command Mode

- /exec/configure

# as-override

[ no | default ] as-override

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
as-override	Override matching AS-number while sending update

## Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn

# association-group

[no] association-group

## Syntax Description

no	(Optional) Negate a command or set its defaults
association-group	Candidate path association group

## Command Mode

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

# association-group

[no] association-group

## Syntax Description

no	(Optional) Negate a command or set its defaults
association-group	Candidate path association group

## Command Mode

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

# attach console module

attach console module <module>

## Syntax Description

attach	Connect to a specific linecard
console	Connect to the console
module	Connect to the module console
<i>module</i>	Enter module number

## Command Mode

- /exec

# attach module

attach module <module>

## Syntax Description

attach	Connect to a specific linecard
module	Module number of the linecard
<i>module</i>	Enter module number

## Command Mode

- /exec

# attribute-group

[no] attribute-group <*s0*>

## Syntax Description

no	(Optional) Negate a command or set its defaults
attribute-group	Attach attribute group
<i>s0</i>	Enter the name of attribute-group

## Command Mode

- /exec/configure/zoneset/zone



# attribute-group

[no] attribute-group

## Syntax Description

no	(Optional) Negate a command or set its defaults
attribute-group	Define attribute-group for default-zone

## Command Mode

- /exec/configure/default-zone

# attribute-group

[no] attribute-group <*s0*>

## Syntax Description

no	(Optional) Negate a command or set its defaults
attribute-group	Attach attribute group
<i>s0</i>	Enter the name of attribute-group

## Command Mode

- /exec/configure/zone

# auth-mechanism plain

[no] auth-mechanism { plain }

## Syntax Description

no	(Optional) Negate a command or set its defaults
auth-mechanism	Set the authentication mechanism
plain	Set the authentication mechanism as plain(default)

## Command Mode

- /exec/configure/ldap

# authentication-check

[no] authentication-check

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-check	Check authentication on received LSP/CSNP/PSNP's

## Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

# authentication-check

[no] authentication-check

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-check	Check authentication on received LSP/CSNP/PSNP's

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

# authentication-check level-1

[no] authentication-check level-1

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-check	Check authentication on received LSP/CSNP/PSNP's
level-1	Specify authentication check for level-1 LSP, CSNP and PSNP

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# authentication-check level-2

[no] authentication-check level-2

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-check	Check authentication on received LSP/CSNP/PSNP's
level-2	Specify authentication check for level-2 LSP, CSNP and PSNP

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# authentication-key

```
{ { authentication-key <key> } | { no authentication-key [ <key> ] } }
```

## Syntax Description

no	Negate a command or set its defaults
authentication-key	Configure the authentication key for the virtual-link
<i>key</i>	Authentication key

## Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink



# authentication-key

```
{ { authentication-key <key> } | { no authentication-key [ <key> ] } }
```

## Syntax Description

no	Negate a command or set its defaults
authentication-key	Configure the authentication key for the sham-link
<i>key</i>	Authentication key

## Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

# authentication-key

```
{ [ no ] authentication-key <key> }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-key	Authentication key used by LISP site
<i>key</i>	SHA-1 password

## Command Mode

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

# authentication-type cleartext

```
{ authentication-type { cleartext | md5 } | no authentication-type [ { cleartext | md5 } ] }
```

## Syntax Description

no	Negate a command or set its defaults
authentication-type	Set authentication type
cleartext	Cleartext
md5	HMAC-MD5

## Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

## authentication-type cleartext

```
{ authentication-type { cleartext | md5 } <level> | no authentication-type [ { cleartext | md5 } ] <level> }
```

### Syntax Description

no	Negate a command or set its defaults
authentication-type	Set authentication type
cleartext	Cleartext
md5	HMAC-MD5
<i>level</i>	IS-IS level

### Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# authentication-type cleartext

```
{ authentication-type { cleartext | md5 } | no authentication-type [ { cleartext | md5 } ] }
```

## Syntax Description

no	Negate a command or set its defaults
authentication-type	Set authentication type
cleartext	Cleartext
md5	HMAC-MD5

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

# authentication

[no] authentication [ message-digest | null ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Authentication on the vlink
message-digest	(Optional) Use message-digest authentication
null	(Optional) Use null(disable) authentication

## Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

# authentication

```
authentication { [ text ] <secret> | md5 { key-chain <chain-name> | key-string [ 0 | 7 ] <key-name> [
compatibility ] [ timeout <sec> ] } } | no authentication
```

## Syntax Description

no	Negate a command or set its defaults
authentication	Authentication
text	(Optional) Plain text authentication
<i>secret</i>	Plain text authentication string
md5	Use MD5 authentication
key-chain	Set key chain
<i>chain-name</i>	Name of key-chain
key-string	Set key string
0	(Optional) Specifies an UNENCRYPTED key string will follow
7	(Optional) Specifies a HIDDEN key string will follow
<i>key-name</i>	Key string (64 chars max)
compatibility	(Optional) Operate in compatibility mode for MD5 type-7 authentication
timeout	(Optional) Set timeout
<i>sec</i>	(Optional) (0-32767)Timeout until only accepting new key (seconds)

## Command Mode

- /exec/configure/if-eth-any/hsrp\_ipv4 /exec/configure/if-eth-any/hsrp\_ipv6

# authentication

```
[no] authentication { { key-chain <chain> } | { mode md5 } }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Configures EIGRP authentication subcommands
key-chain	key-chain
<i>chain</i>	name of key-chain
mode	mode
md5	Keyed message digest

## Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common



# authentication

[no] authentication [ message-digest | null ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Authentication on the slink
message-digest	(Optional) Use message-digest authentication
null	(Optional) Use null(disable) authentication

## Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

# authentication bind

```
[no] authentication { bind-first [ append-with-basedn <s1> ] | compare [ password-attribute <s0> ] }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Set the authentication method
bind-first	Set the authentication method to bind-first
append-with-basedn	(Optional) Change the default value (cn=\$userid)
<i>s1</i>	(Optional) append with dn value
compare	Change the default attribute
password-attribute	(Optional) Change the default password attribute (userPassword)
<i>s0</i>	(Optional) password attribute

## Command Mode

- /exec/configure/ldap

## authentication disable ipsec spi md5

```
{ [ no ] authentication { disable | ipsec spi <spi_id> { md5 <akey> | sha1 <akey> } } } | { no authentication { disable | ipsec spi <spi_id> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Enable Authentication
disable	Disable Authentication
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
md5	Use the MD5 algorithm
<i>akey</i>	Authentication Key
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key

### Command Mode

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

## authentication ipsec spi md5

```
{ [ no ] authentication { ipsec spi <spi_id> { md5 <akey> | sha1 <akey> } } } | { no authentication ipsec spi <spi_id> }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Enable Authentication
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
md5	Use the MD5 algorithm
<i>akey</i>	Authentication Key
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key

### Command Mode

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

# authentication key-chain

```
{ authentication key-chain <auth-keychain> | no authentication key-chain [ <auth-keychain> ] }
```

## Syntax Description

no	Negate a command or set its defaults
authentication	Set authentication keychain string
key-chain	Set authentication keychain string
<i>auth-keychain</i>	authentication keychain

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

# authentication key-chain

```
{ authentication key-chain <auth-keychain> <level> | no authentication key-chain [ <auth-keychain> ] <level>
}
```

## Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>authentication</code>	Set authentication keychain string
<code>key-chain</code>	Set authentication keychain string
<i>auth-keychain</i>	authentication keychain
<i>level</i>	IS-IS level

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# authentication key-chain

```
{ authentication key-chain <keychain> } | { no authentication key-chain [ <keychain> ] }
```

## Syntax Description

no	Negate a command or set its defaults
authentication	Authentication on the vlink
key-chain	Authentication password key-chain
<i>keychain</i>	Key-chain name

## Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

# authentication key-chain

```
{ authentication key-chain <keychain> } | { no authentication key-chain [ <keychain> ] }
```

## Syntax Description

no	Negate a command or set its defaults
authentication	Authentication on the slink
key-chain	Authentication password key-chain
<i>keychain</i>	Key-chain name

## Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink



# authentication key-chain

```
{ authentication key-chain <auth-keychain> | no authentication key-chain [ <auth-keychain> ] }
```

## Syntax Description

no	Negate a command or set its defaults
authentication	Set authentication keychain string
key-chain	Set authentication keychain string
<i>auth-keychain</i>	authentication keychain

## Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

# authentication text

```
{ authentication text <authentication_pwd> | no authentication [ text <authentication_pwd> ] }
```

## Syntax Description

no	Negate a command or set its defaults
authentication	Select authentication method
text	Set the authentication password (8 char max)
<i>authentication_pwd</i>	

## Command Mode

- /exec/configure/if-eth-any/vrrp

## auto-cost reference-bandwidth

auto-cost reference-bandwidth { <ref-bw-mbps> [ Mbps ] | <ref-bw-gbps> Gbps } | no auto-cost  
reference-bandwidth [ <ref-bw-mbps> [ Mbps ] | <ref-bw-gbps> Gbps ]

### Syntax Description

no	Negate a command or set its defaults
auto-cost	Calculate OSPFv3 cost according to bandwidth
reference-bandwidth	Reference bandwidth used to assign OSPFv3 cost
Mbps	(Optional) Specify rate in Mbps
Gbps	Specify rate in Gbps
<i>ref-bw-mbps</i>	Rate in Mbps (bandwidth) (Default)
<i>ref-bw-gbps</i>	Rate in Gbps (bandwidth)

### Command Mode

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

## auto-cost reference-bandwidth

auto-cost reference-bandwidth { <ref-bw-mbps> [ Mbps ] | <ref-bw-gbps> Gbps } | no auto-cost reference-bandwidth [ <ref-bw-mbps> [ Mbps ] | <ref-bw-gbps> Gbps ]

### Syntax Description

no	Negate a command or set its defaults
auto-cost	Calculate OSPF cost according to bandwidth
reference-bandwidth	Reference bandwidth used to assign OSPF cost
Mbps	(Optional) Specify rate in Mbps
Gbps	Specify rate in Gbps
<i>ref-bw-mbps</i>	Rate in Mbps (bandwidth) (Default)
<i>ref-bw-gbps</i>	Rate in Gbps (bandwidth)

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

# auto-recovery

auto-recovery [ reload-delay <time-out> ] | no auto-recovery [ reload-delay <time-out> ]

## Syntax Description

no	Negate a command or set its defaults
auto-recovery	vPC settings to enable auto recovery if peer is presumed non-operational
reload-delay	(Optional) Duration to wait before assuming peer dead and restoring vpcs
<i>time-out</i>	(Optional) Time-out for restoring vPC links (in seconds)

## Command Mode

- /exec/configure/vpc-domain

# auto-remap-replication-servers

[no] auto-remap-replication-servers

## Syntax Description

no	(Optional) Negate a command or set its defaults
auto-remap-replication-servers	Automatically re-map replication servers on every replication server add

## Command Mode

- /exec/configure/if-nve

# autonomous-system

```
{ { autonomous-system <local-as> } | { no autonomous-system [ <local-as> ] } }
```

## Syntax Description

no	Negate a command or set its defaults
autonomous-system	Specify AS number for Address Family
<i>local-as</i>	Local AS number

## Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

# autostate

[no] autostate

## Syntax Description

no	(Optional) Negate a command or set its defaults
autostate	Enable or disable autostate for interface-vlan

## Command Mode

- /exec/configure/if-vlan



# autovlan enable

[no] autovlan enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
autovlan	Automatic creation/deletion of VLANs
enable	Enable auto creation/deletion of VLANs

## Command Mode

- /exec/configure/vmt-conn

# awk

| awk <expr>

## Syntax Description

	Pipe command output to filter
awk	Mini AWK
<i>expr</i>	Edition command (script)

## Command Mode

- /output