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aaa accounting default

```
[no] aaa accounting default { group <s0> [ <s1> [ <s2> [ <s3> [ <s4> [ <s5> [ <s6> [ <s7> ] ] ] ] ] ] ] [ local1
| none ] | local [ none1 ] | none2 }
```

Syntax Description

Syntax Description		
no	(Optional) Negate a command or set its defaults	
aaa	Configure aaa functions	
accounting	Configure accounting methods	
default	Configure default methods	
group	Specify server groups to redirect the accounting logs	
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	
none	(Optional) No accounting	
none1	(Optional) No accounting	
none2	No accounting	
local	Use local accounting	
local1	(Optional) Use local accounting	

Command Mode

- /exec/configure

aaa accounting dot1x default group

[no] aaa accounting dot1x default group <grp_name> +

Syntax Description

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 accounting onep default group

[no] aaa accounting onep default group <grp_name> +

Syntax Description

Syntax Description	aaa	Configure aaa functions
	accounting	configure accounting 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

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

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

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

Command Mode

- /exec/configure

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

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

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

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

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 login password-aging enable

[no] aaa authentication login password-aging enable

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
aaa		Configure aaa functions
authentication		Configure authentication methods
login		Configure methods for login
password-aging		password-aging authentication for login
enable		enable password-aging notification

Command Mode

- /exec/configure

aaa authentication onep default group

[no] aaa authentication onep default group <grp_name> +

Syntax Description

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

Command Mode

- /exec/configure

aaa authentication rejected

[no] aaa authentication rejected

Syntax Description

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

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

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	(Optional) No authorization

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

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
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	(Optional)	No authorization

Command Mode

- /exec/configure

aaa authorization cts default group

[no] aaa authorization cts default group <grp_name> +

Syntax Description

Syntax Description		
aaa		Configure aaa functions
authorization		Configure authorization methods
cts		authorization methods for cts
default		default aaa methods
group		server group
<i>grp_name</i>		server group name

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

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	(Optional)	Use local username authentication

Command Mode

- /exec/configure

aaa group server ldap

[no] aaa group server ldap <s0>

Syntax Description

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

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

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 test-authentication

[no] aaa test-authentication

Syntax Description

Syntax Description		
	no	(Optional) Negate a command or set its defaults
	aaa	Configure aaa functions
	test-authentication	Test aaa authentication

Command Mode

- /exec/configure

aaa test-radius-authentication

[no] aaa test-radius-authentication

Syntax Description

Syntax Description		
	no	(Optional) Negate a command or set its defaults
	aaa	Configure aaa functions
	test-radius-authentication	Test aaa radius authentication

Command Mode

- /exec/configure

aaa user default-role

[no] aaa user default-role

Syntax Description

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

Syntax Description

abort Exit region configuration mode, aborting changes

Command Mode

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

abort

abort

Syntax Description

Syntax Description

abort abort itd
session

Command Mode

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

abort

abort

Syntax Description

Syntax Description

`abort` Abort the current configuration session

Command Mode

- /exec/configure

abort

abort

Syntax Description

Syntax Description

`abort plb
session`

Command Mode

- /exec/configure/plb-session-device-group

absolute-timeout

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

Syntax Description

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> <syear> [ end <etime> <eday> <emonth>
<eyear> ] | end <etime> <eday> <emonth> <eyear> }
```

Syntax Description

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>syear</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 month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l duration infinite month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l

```
{ { accept-lifetime [ local ] <stime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <sday> <syear> { duration <dsec> | infinite | <etime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <eday> <eyear> } } | { no accept-lifetime [ [ local ] <stime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <sday> <syear> { duration <dsec> | infinite | <etime> { month_a | month_b | month_c | month_d | month_e | month_f | month_g | month_h | month_i | month_j | month_k | month_l } <eday> <eyear> } ] } }
```

Syntax Description

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>
month_a	
month_b	
month_c	
month_d	
month_e	
month_f	
month_g	
month_h	
month_i	
month_j	
month_k	
month_l	
<i>sday</i>	Day of the month to start

accept-lifetime month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l duration infinite month_a month_b month_c month_d month_e month_f month_g month_h month_i month_j month_k month_l

<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

```
{ access-class <aclname> } | { no access-class [ <aclname-ignore> ] }
```

Syntax Description

Syntax Description		
	no	Negate a command or set its defaults
	access-class	Filter incoming connections based on ACL
	<i>aclname</i>	ACL name
	<i>aclname-ignore</i>	(Optional) ACL name

Command Mode

- /exe/configure/onep/tls

access-class

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

Syntax Description

Syntax Description	<i>no</i>	(Optional) Negate a command or set its defaults
	<i>access-class</i>	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>

Syntax Description

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

access-list	ITD	access-list name
-------------	-----	------------------

<i>acl-name</i>	ITD	user ACL name
-----------------	-----	---------------

Command Mode

- /exec/configure/itd

access-list

[no] access-list <acl-name>

Syntax Description

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

access-list	ITD access-list name
-------------	----------------------

<i>acl-name</i>	ITD user ACL name
-----------------	-------------------

Command Mode

- /exec/configure/itd

access-list

[no] access-list <acl-name>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	access-list	PLB access-list name
	<i>acl-name</i>	PLB user ACL name

Command Mode

- /exec/configure/plb

access vlan

[no] access vlan <vlan>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
access	access
vlan	vlan
<i>vlan</i>	Vlan

Command Mode

- /exec/configure/smartc /exec/configure/smartc

action

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

Syntax Description

Syntax	Description
no	(Optional) Negate a command or set its defaults
action	Specify the action clause
drop	Drop matched packets
log	(Optional) Log matched packets
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

[no] action <label>

Syntax Description

Syntax Description

no Negate a command or set its defaults

action Configure the actions to be executed

label Enter the label <num1>[.<num2>] for action order num2 must be 0-9

Command Mode

- /exec/configure/event-manager-applet

action cli

action <label> cli [local] <vsh_cmd>

Syntax Description

Syntax Description

action Configure the actions to be executed

label Enter the label <num1>[.<num2>] for action order num2 must be 0-9

cli Configure a VSH CLI action

local (Optional) Execute the action in the same card on which the event happens

vsh_cmd Enter the vsh command

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

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

Syntax Description

action Configure the actions to be executed

label Enter the label <num1>[.<num2>] for action order num2 must be 0-9

eem Event Manager command

test Do test action

param Test action parameter (dummy value)

Command Mode

- /exec/configure/event-manager-applet

action event-default

action <label> event-default

Syntax Description

Syntax Description

action Configure the actions to be executed

label 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 exceptionlog module syserr devid errtype errcode phylayer ports harderror

```
[no] action <label> exceptionlog module <mod> syserr <syserr> devid <id> errtype <type> errcode <code>
phylayer <phy> ports <list> harderror <hard> [ { desc <str> } ]
```

Syntax Description

Syntax Description

<i>no</i>	(Optional) Negate a command or set its defaults
<i>action</i>	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
<i>exceptionlog</i>	Exception log
<i>module</i>	Enter a module number
<i>mod</i>	Enter module number (integer value) or a \$ prefixed parameter name
<i>syserr</i>	Enter syserr
<i>syserr</i>	Enter syserr code (hex value) or a \$ prefixed parameter name
<i>devid</i>	Enter device id
<i>id</i>	Enter device id (integer value) or a \$ prefixed parameter name
<i>errtype</i>	Enter error type
<i>type</i>	Error error type (integer value) or a \$ prefixed parameter name
<i>errcode</i>	Enter error code
<i>code</i>	Enter error code (hex value) or a \$ prefixed parameter name
<i>phylayer</i>	Enter phy layer
<i>phy</i>	Enter phy layer (integer value) or a \$ prefixed parameter name
<i>ports</i>	Enter failed ports
<i>list</i>	List of ports. Example: 1,3,7-15
<i>harderror</i>	Irrecoverable error?
<i>hard</i>	Error sub-category
<i>desc</i>	(Optional) Enter error description
<i>str</i>	(Optional) Error description

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

Syntax Description

<i>no</i>	(Optional) Negate a command or set its defaults
<i>action</i>	Configure the actions to be executed
<i>label2</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
<i>forceshut</i>	Force the entire switch to shut down
<i>module</i>	(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
<i>reset-reason</i>	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

Syntax Description		
no	(Optional)	Negate a command or set its defaults
action		Configure the actions to be executed
label		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)
module	(Optional)	please enter the module number
mod-str	(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

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 publish-event sub-system type

```
action <label> publish-event sub-system <sub-system-id> type <event-type> { [ arg1 <data1> ] [ arg2 <data2> ] [ arg3 <data3> ] [ arg4 <data4> ] }
```

Syntax Description

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>publish-event</code>	Publish an application specific event
<code>sub-system</code>	Sub-system ID to which the application event belongs
<code>sub-system-id</code>	Sub-system ID value
<code>type</code>	Event type value
<code>event-type</code>	Event type value
<code>arg1</code>	(Optional) User specified data to be passed when the event is published
<code>data1</code>	(Optional) User specified data value
<code>arg2</code>	(Optional) User specified data to be passed when the event is published
<code>data2</code>	(Optional) User specified data value
<code>arg3</code>	(Optional) User specified data to be passed when the event is published
<code>data3</code>	(Optional) User specified data value
<code>arg4</code>	(Optional) User specified data to be passed when the event is published
<code>data4</code>	(Optional) User specified data value

Command Mode

- /exec/configure/event-manager-applet

action reload

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

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
action	Configure the actions to be executed
label	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
module	(Optional) please enter the module number
mod-str	(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

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>snmp-trap</code>		Send
<code>intdata1</code>	(Optional)	Enter
<code>integer-data1</code>	(Optional)	Integer
<code>intdata2</code>	(Optional)	Enter
<code>integer-data2</code>	(Optional)	Integer
<code>strdata</code>	(Optional)	Enter
<code>string-data</code>	(Optional)	String

Command Mode

- /exec/configure/event-manager-applet

action syslog msg

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

Syntax Description

Syntax Description	
<i>action</i>	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
<i>syslog</i>	Generate a syslog message
<i>priority</i>	(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
<i>msg</i>	Enter the message for the syslog
<i>msg-text</i>	The message text

Command Mode

- /exec/configure/event-manager-applet

activate

[no] activate

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	activate	Activate configured virtual service

Command Mode

- /exec/configure/virt-serv

activate mode-100M

[no] activate mode-100M

Syntax Description

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

Command Mode

- /exec/configure

activity-timer

```
{ [ no ] activity-timer <seconds> }
```

Syntax Description

Syntax Description	<code>no</code>	(Optional) Negate a command or set its defaults
	<code>activity-timer</code>	Number of seconds where a dynamic-EID is considered active
	<code>seconds</code>	Timeout value in seconds

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

add cli commands

add cli commands <filename>

Syntax Description

Syntax Description

add add

cli cli

commands commands

filename filename

Command Mode

- /exec

additional-paths install backup

[no] additional-paths install backup

Syntax Description

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

additional-paths receive

[no] additional-paths receive

Syntax Description

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

additional-paths selection route-map

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

Syntax Description

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-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

additional-paths send

[no] additional-paths send

Syntax Description

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-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

address-family ip address port

[no] { address-family | ip address } <ip4> port <portnum> [protocol <proto> encoding <encoder>]

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
address-family		Set destination IP address
ip		Set destination IPv4 address
address		IP address
port		Set destination port
protocol	(Optional)	Set transport protocol
encoding	(Optional)	Set encoding format
<i>ip4</i>		Destination IPv4 Address
<i>portnum</i>		Destination port
<i>proto</i>	(Optional)	
<i>encoder</i>	(Optional)	

Command Mode

- /exec/configure/telemetry/destination-group

address-family ipv4 labeled-unicast

[no] address-family ipv4 labeled-unicast

Syntax Description

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

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

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

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

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

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] address-family ipv4 unicast

Syntax Description

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

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 | multicast }

Syntax Description

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

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

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 ipv4 unicast

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

Syntax Description

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

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

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

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

Syntax Description

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 ipv6 labeled-unicast

[no] address-family ipv6 labeled-unicast

Syntax Description

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 labeled-unicast

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

Syntax Description

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 mvpn

[no] address-family ipv6 mvpn

Syntax Description

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

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

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

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 | multicast }

Syntax Description

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

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

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

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 ipv6 unicast

[no] { address-family ipv6 unicast }

Syntax Description

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

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

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

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

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

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 l2vpn evpn

[no] address-family l2vpn evpn

Syntax Description

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

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

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

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

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

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] address-family vpnv4 unicast

Syntax Description

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 vpnv4 unicast

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

Syntax Description

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 vpnv6 unicast

[no] address-family vpnv6 unicast

Syntax Description

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-family vpnv6 unicast

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

Syntax Description

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

[no] address <ip_addr> [primary]

Syntax Description

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 <ipv6_addr>

Syntax Description

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

Syntax Description

no (Optional) Negate a command or set its defaults

address IP Address configuration

ip_addr IP Address

Command Mode

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

address

[no] address <ipv6_addr>

Syntax Description

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

Command Mode

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

address

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

Syntax Description

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 <start-ip> <end-ip>

Syntax Description

Syntax Description	<i>no</i>	(Optional) Negate a command or set its defaults
	<i>address</i>	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 port-number

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

Syntax Description

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

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

[no] address <ip_addr> secondary

Syntax Description

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

address secondary

```
{ address <ip_address> secondary | no address <ip_address> secondary }
```

Syntax Description

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

adjacency-check

[no] adjacency-check

Syntax Description

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-common

adjacency-resolve

[no] adjacency-resolve

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	adjacency-resolve	Resolve L3->L2 address for ISIS adjacency

Command Mode

- /exec/configure/router-isis

advertise-labels

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

Syntax Description

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 <advrt-rmap-name> { exist-map | non-exist-map } <cond-rmap-name> } | default
advertise-map
```

Syntax Description

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>advrt-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

advertise-system-mac

[no] advertise-system-mac

Syntax Description

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 l2vpn evpn

[no] advertise l2vpn evpn

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	advertise	Configure advertise for this AF
	l2vpn	L2VPN
	evpn	EVPN

Command Mode

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

advertisement-interval

[no] advertisement-interval <adv-sec>

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	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

advertisement-interval

[no] advertisement-interval <adv-sec>

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
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-ipv4-mdt
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

advertisement-interval

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

Syntax Description

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

afd queue-desired

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

Syntax Description

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

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

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

[no] affinity | affinity <hex_value> [mask <mask_value>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
affinity		Specify attribute flags for links comprising LSP
<i>hex_value</i>		affinity value
mask		(Optional) mask on desired link attributes
<i>mask_value</i>		(Optional) affinity mask value

Command Mode

- /exec/configure/te/lsp-attr

affinity

[no] affinity | affinity <value> [mask <mask-value>]

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
affinity		desired link attributes for links comprising tunnel
<i>value</i>		affinity value
mask		(Optional) mask on desired link attributes
<i>mask-value</i>		(Optional) affinity mask value

Command Mode

- /exec/configure/if-te /exec/configure/tunnel-te/cbts-member

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

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

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

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

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
alert-group		alert group
user-def-cmd		configure a cli command for an alert group
s0		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

allocate-label all

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

Syntax Description

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

allocate1 interface2

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

Syntax Description

Syntax Description

allocate1	Assign interfaces to vdc
interface2	Assign interface range to vdc
<i>interface-id</i>	Assign interface range to vdc
force	(Optional) force
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

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)	vlan 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 port with the FCoE vdc

Command Mode

- /exec/configure/vdc

allocate3 shared interface3

[no] allocate3 shared interface3 <interface-id>

Syntax Description

Syntax Description		
no	(Optional)	Negate a command or set its defaults
allocate3		Assign interfaces to vdc
interface3		Assign interface range to vdc
<i>interface-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

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 delete boot-image

[no] allow delete boot-image [retain]

Syntax Description

Syntax Description	
no	(Optional) Negate a command or set its defaults
allow	allow kickstart or system image to be deleted
delete	allow delete or overwrite of image file
boot-image	image file
retain	(Optional) retain this command after reboot

Command Mode

- /exec

allow feature-set

[no] allow feature-set <fs>

Syntax Description

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
	fs	installed feature-sets

Command Mode

- /exec/configure/vdc

allowas-in

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

Syntax Description

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

allowas-in

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

Syntax Description

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-ipv4-mdt
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

allowed-locators

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

Syntax Description

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

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

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

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 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

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

anonymous-id

```
{ [ no ] anonymous-id <id> }
```

Syntax Description

Syntax Description

anonymous-id anonymous identity associated with this profile

id identity name

Command Mode

- /exec/configure/dot1x-cred

append-after next

```
append-after <index> { next-address [ loose | strict ] <ipaddr> | exclude-address <ipaddr> }
```

Syntax Description

Syntax Description	
append-after	Append additional entry after specified index
<i>index</i>	Previous index number
next-address	Specify the next address in the path
loose	(Optional) Target address is loose
strict	(Optional) Target address is strict
exclude-address	Exclude an address from subsequent partial path segments
<i>ipaddr</i>	Enter IP address (A.B.C.D)

Command Mode

- /exec/configure/te/expl-path

apply profile

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

Syntax Description

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

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

```
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

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
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

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

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 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

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

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

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

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

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 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

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 range

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

Syntax Description

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 range

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

Syntax Description

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 sham-link

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

Syntax Description

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

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

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

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

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

area virtual-link

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

Syntax Description

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

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

arp access-list

[no] arp access-list <name>

Syntax Description

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

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

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

attach console module

attach console module <module>

Syntax Description

Syntax Description

attach Connect to a specific linecard

console Connect to the console

module Connect to the module
console

module Enter module number

Command Mode

- /exec

attach module

attach module <module>

Syntax Description

Syntax Description

attach Connect to a specific linecard

module Module number of the linecard

module Enter module number

Command Mode

- /exec

attach module node

attach module <module> node <i0>

Syntax Description

Syntax Description

attach Connect to a specific linecard

module Module number of the linecard

module Enter module number

node Avanti node number on the linecard

i0

Command Mode

- /exec

attach module port

```
attach module <module> port <i0>
```

Syntax Description

Syntax Description	attach Connect to a specific linecard
	module Module number of the linecard
	<i>module</i> Enter module number
	port Port number on the linecard
	<i>i0</i>

Command Mode

- /exec

auth-mechanism plain

[no] auth-mechanism { plain }

Syntax Description

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

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 level-1

[no] authentication-check level-1

Syntax Description

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

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

Syntax Description	
<code>no</code>	Negate a command or set its defaults
<code>authentication-key</code>	Configure the authentication key for the virtual-link
<code>key</code>	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

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

Syntax Description	<i>no</i>	(Optional) Negate a command or set its defaults
	<i>authentication-key</i>	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

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

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

Command Mode

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

authentication

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

Syntax Description

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 [message-digest | null]

Syntax Description

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

[no] authentication [message-digest | null]

Syntax Description

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

```
authentication { { md5 { { key-chain <word-chain> } | { key-string [ encrypted ] <word-string> } } } | { text
<word-text> } } | no authentication
```

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
authentication		Configure authentication
md5		MD5 authentication
key-chain		MD5 Key-chain authentication
<i>word-chain</i>		MD5 authentication key-chain
key-string		MD5 keyed authentication
encrypted		(Optional) Specifies an encrypted key will follow
<i>word-string</i>		MD5 authentication key
text		Plain text authentication
<i>word-text</i>		Plain text

Command Mode

- /exec/configure/if-eth-any/glbp

authentication

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

Syntax Description

Syntax Description		
no		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

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

Syntax Description

Syntax Description		
no		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

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

Syntax Description

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 bind

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

Syntax Description

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)
s1	(Optional)	append with dn value
compare		Change the default attribute
password-attribute	(Optional)	Change the default password attribute (userPassword)
s0	(Optional)	password attribute

Command Mode

- /exec/configure/ldap

authentication challenge

[no] authentication [neighbor <nbr>] challenge

Syntax Description

Syntax Description

authentication Configure RSVP neighbor cryptographic authentication

neighbor (Optional) Configure RSVP neighbor

nbr (Optional) RSVP Neighbor address

challenge Perform challenge/response handshake with new RSVP neighbors

Command Mode

- /exec/configure/ip-rsvp

authentication key-chain

authentication [neighbor <nbr>] key-chain <key-chain-name> | no authentication [neighbor <nbr>] key-chain

Syntax Description

Syntax Description	authentication	Configure RSVP neighbor cryptographic authentication
	neighbor	(Optional) Configure RSVP neighbor
	<i>nbr</i>	(Optional) RSVP Neighbor address
	key-chain	Authentication password key-chain
	<i>key-chain-name</i>	Key-chain name

Command Mode

- /exec/configure/ip-rsvp

authentication key-chain

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

Syntax Description

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 key-chain

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

Syntax Description

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

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

Syntax Description

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
<code>auth-keychain</code>		authentication keychain
<code>level</code>		IS-IS level

Command Mode

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

authentication lifetime

[no] authentication [neighbor <nbr>] lifetime <time>

Syntax Description

Syntax Description	
authentication	Configure RSVP neighbor cryptographic authentication
neighbor	(Optional) Configure RSVP neighbor
<i>nbr</i>	(Optional) RSVP Neighbor address
lifetime	Maximum lifetime of neighbor authentication state
<i>time</i>	Lifetime value(in seconds)

Command Mode

- /exec/configure/ip-rsvp

authentication text

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

Syntax Description

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

authentication type md5

```
[no] authentication [ neighbor <nbr> ] type { md5 | sha-1 }
```

Syntax Description

Syntax Description	
authentication	Configure RSVP neighbor cryptographic authentication
neighbor	(Optional) Configure RSVP neighbor
<i>nbr</i>	(Optional) RSVP Neighbor address
type	Type of authentication algorithm
md5	RSA Message Digest 5 hash algorithm (default)
sha-1	NIST Secure Hash Algorithm 1

Command Mode

- /exec/configure/ip-rsvp

authentication window-size

[no] authentication [neighbor <nbr>] window-size <value>

Syntax Description

Syntax Description

authentication Configure RSVP neighbor cryptographic authentication

neighbor (Optional) Configure RSVP neighbor

nbr (Optional) RSVP Neighbor address

window-size Receive window size for authenticated messages

value Maximum number of messages allowed in receive window

Command Mode

- /exec/configure/ip-rsvp

auto-bw

[no] auto-bw | auto-bw [{ [collect-bw | frequency <sec>] + } | { [frequency <sec> | min-bw <min-kbps> | max-bw <max-kbps>] + }]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
auto-bw	Specify automatic bandwidth configuration
collect-bw	(Optional) Just collect bandwidth info
frequency	(Optional) frequency to change LSP bandwidth
sec	(Optional) seconds between applying auto-bw
max-bw	(Optional) Set the maximum bandwidth for auto-bw
max-kbps	(Optional) Maximum bandwidth to apply (kbps)
min-bw	(Optional) Set the minimum bandwidth for auto-bw
min-kbps	(Optional) Minimum bandwidth to apply (kbps)

Command Mode

- /exec/configure/te/lsp-attr

auto-bw

[no] auto-bw | auto-bw [{ [collect-bw | frequency <sec>] + } | { [frequency <sec> | min-bw <min-kbps> | max-bw <max-kbps>] + }]

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
auto-bw	Specify mpls tunnel should automatically change bw
collect-bw	(Optional) Just collect Bandwidth info on this tunnel
frequency	(Optional) Frequency to change tunnel BW
sec	(Optional) seconds between applying auto-bw
max-bw	(Optional) Set the Maximum Bandwidth for auto-bw on this tunnel
max-kbps	(Optional) Maximum kb/s that tunnel can be auto set to
min-bw	(Optional) Set the Minimum Bandwidth for auto-bw on this tunnel
min-kbps	(Optional) Min kb/s that tunnel can be auto set to

Command Mode

- /exec/configure/if-te

auto-bw timers frequency

[no] auto-bw timers { frequency } | auto-bw timers { frequency <sec> }

Syntax Description

Syntax Description		
no		Negate a command or set its defaults
auto-bw		auto-bw parameters
timers		Enable auto-bw timers
frequency		Interval between auto-bw data collection
sec		Seconds between auto-bw data collection

Command Mode

- /exec/configure/te

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

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-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

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-recovery

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

Syntax Description

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

time-out (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

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

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

autoroute announce

[no] autoroute announce

Syntax Description

Syntax Description	no	(Optional) Negate a command or set its defaults
	autoroute	parameters for IGP routing over tunnel
	announce	announce tunnel to IGP

Command Mode

- /exec/configure/if-te

autoroute metric

[no] autoroute metric | autoroute metric { <value> | relative <rel-value> }

Syntax Description

Syntax Description	
no	Negate a command or set its defaults
autoroute	parameters for IGP routing over tunnel
metric	Specify mpls tunnel metric
<i>value</i>	Set tunnel metric for autoroutes
relative	Adjust tunnel metric for autoroutes relative to IGP
<i>rel-value</i>	Relative metric value

Command Mode

- /exec/configure/if-te

autostate

[no] autostate

Syntax Description

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

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

Syntax Description

| Pipe command output to filter

awk Mini AWK

expr Edition command (script)

Command Mode

- /output