A Commands

aaa accounting default

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

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 onep default group

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

Syntax Description

aaa	Configure aaa functions
accounting	configure accounting methods
grp_name	server group name

Command Mode

- /exec/configure

aaa authentication login ascii-authentication

[no] aaa authentication login ascii-authentication

Syntax Description

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

Command Mode

- /exec/configure

aaa authentication login console

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

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
console	Configure console methods
group	Specify server groups
s0	Server group name
none	(Optional) No authentication
s1	(Optional) Server group name
none	(Optional) No authentication
s2	(Optional) Server group name
none	(Optional) No authentication
s3	(Optional) Server group name
none	(Optional) No authentication
s4	(Optional) Server group name
none	(Optional) No authentication
s5	(Optional) Server group name
none	(Optional) No authentication
s6	(Optional) Server group name
none	(Optional) No authentication
s7	(Optional) Server group name
none	(Optional) No authentication
local	Use local username authentication
local1	(Optional) Use local username authentication

none	No authentication

Command Mode

- /exec/configure

aaa authentication login default

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

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
default	Configure default methods
group	Specify server groups
s0	Server group name
none	(Optional) No authentication
s1	(Optional) Server group name
none	(Optional) No authentication
s2	(Optional) Server group name
none	(Optional) No authentication
s3	(Optional) Server group name
none	(Optional) No authentication
s4	(Optional) Server group name
none	(Optional) No authentication
s5	(Optional) Server group name
none	(Optional) No authentication
s6	(Optional) Server group name
none	(Optional) No authentication
s7	(Optional) Server group name
none	(Optional) No authentication
local	Use local username authentication
local1	(Optional) Use local username authentication

none	No authentication

Command Mode

- /exec/configure

aaa authentication login default fallback error local

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

Syntax Description

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

Command Mode

- /exec/configure

aaa authentication login enable

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

Syntax Description

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

Command Mode

- /exec/configure

aaa authentication login error-enable

[no] aaa authentication login error-enable

Syntax Description

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

Command Mode

- /exec/configure

aaa authentication login invalid-username-log

[no] aaa authentication login invalid-username-log

Syntax Description

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

Command Mode

- /exec/configure

aaa authentication login password-aging enable

[no] aaa authentication login password-aging enable

Syntax Description

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

aaa	Configure aaa functions
authentication	Configure authentication methods
grp_name	server group name

Command Mode

- /exec/configure

aaa authentication rejected

[no] aaa authentication rejected

Syntax Description

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

Command Mode

- /exec/configure

aaa authentication rejected in ban

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

Syntax Description

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

Command Mode

- /exec/configure

aaa authorization commands console

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

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authorization	Configure authorization methods
commands	Authorization for all exec-mode commands
config-commands	Authorization for config commands
console	Configure methods console
group	Specify server groups
s0	Server group name
s1	(Optional) Server group name
s2	(Optional) Server group name
s3	(Optional) Server group name
s4	(Optional) Server group name
s5	(Optional) Server group name
s6	(Optional) Server group name
s7	(Optional) Server group name
local	(Optional) Use local RBACL based authorization
none	(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

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 ssh default group

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

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authorization	Configure authorization methods
ssh-publickey	Configure ssh publickey
ssh-certificate	Configure ssh certificate
default	Configure default ssh methods
group	Specify server groups
s0	Server group name
s1	(Optional) Server group name
s2	(Optional) Server group name
s3	(Optional) Server group name
s4	(Optional) Server group name
s5	(Optional) Server group name
s6	(Optional) Server group name
s7	(Optional) Server group name
local	Use local username authentication
local1	(Optional) Use local username authentication

Command Mode

- /exec/configure

aaa bypass-user

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

Syntax Description

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

Command Mode

- /exec/configure

aaa group server ldap

[no] aaa group server ldap <s0>

Syntax Description

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

Command Mode

- /exec/configure

aaa group server radius

[no] aaa group server radius <s0>

Syntax Description

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

Command Mode

- /exec/configure

aaa group server tacacs

[no] aaa group server tacacs <s0>

Syntax Description

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

Command Mode

- /exec/configure

aaa test-authentication

[no] aaa test-authentication

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

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

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

Command Mode

- /exec/configure

abort

abort

Syntax Description

abort	Abort the current configuration session

Command Mode

- /exec/configure

abort

abort

Syntax Description

abort	Exit region configuration mode, aborting changes

Command Mode

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

abort

abort

Syntax Description

abort	abort itd session

Command Mode

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

abort

abort

Syntax Description

abort	abort plb session

Command Mode

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

absolute-timeout

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

Syntax Description

no	Negate a command or set its defaults
absolute-timeout	Configure absolute timeout
i0	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

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

Command Mode

• /exec/configure/timerange

A Commands

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 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

no	Negate a command or set its defaults
accept-lifetime	Set accept lifetime of key
local	(Optional) Specify time in local timezone
stime	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
etime	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	
sday	Day of the month to start

eday	Day of the month to end
syear	Year to start
eyear	Year to start
duration	Set key lifetime duration
dsec	Duration in seconds
infinite	Never Expires

Command Mode

- /exec/configure/keychain-key

access-class

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

Syntax Description

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

Command Mode

- /exec/configure/line

access-class

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

Syntax Description

no	Negate a command or set its defaults
access-class	Filter incoming connections based on ACL
aclname	ACL name
aclname-ignore	(Optional) ACL name

Command Mode

- /exe/configure/onep/tls

access-list

[no] access-list <acl-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
access-list	Configure access-list for PLB service
acl-name	Access-list name

Command Mode

- /exec/configure/plb

access-list

[no] access-list <acl-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
access-list	ITD access-list name
acl-name	ITD user ACL name

Command Mode

- /exec/configure/itd

access-list ipv6

[no] access-list ipv6 <acl-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
access-list	ITD access-list name
ipv6	ipv6 access-list
acl-name	ITD user ACL name

Command Mode

- /exec/configure/itd

access vlan

[no] access vlan <vlan>

Syntax Description

no	(Optional) Negate a command or set its defaults
access	access
vlan	vlan
vlan	Vlan

Command Mode

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

action

[no] action <label>

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

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

Syntax Description

no	(Optional) Negate a command or set its defaults
action	Specify the action clause
drop	Drop matched packets
log	(Optional) Log matched packets
forward	Forward matched packets
redirect	Redirect matched packets to the specified interface(s)
intf	Interface traffic is redirected to

Command Mode

- /exec/configure/vacl

action cli

action <label> cli [local] <vsh_cmd>

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

action	Configure the actions to be executed
label	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
counter-name	Name of the counter
value	Specify the value to be applied to the counter
counter-value	Enter an integer value or a $ prefixed name (parameter substitution)
op	Specify the operator to be applied
op-val	Enter the value of the operator

Command Mode

- /exec/configure/event-manager-applet

action eem test

action <label> eem test <param>

Syntax Description

action	Configure the actions to be executed
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

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

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
exceptionlog	Exception log
module	Enter a module number
mod	Enter module number (integer value) or a $ prefixed parameter name
syserr	Enter syserr
syserr	Enter syserr code (hex value) or a $ prefixed parameter name
devid	Enter device id
id	Enter device id (integer value) or a $ prefixed parameter name
errtype	Enter error type
type	Error error type (integer value) or a $ prefixed parameter name
errcode	Enter error code
code	Enter error code (hex value) or a $ prefixed parameter name
phylayer	Enter phy layer
phy	Enter phy layer (integer value) or a $ prefixed parameter name
ports	Enter failed ports
list	List of ports. Example: 1,3,7-15
harderror	Irrecoverable error?
hard	Error sub-category
desc	(Optional) Enter error description
str	(Optional) Error description

Command Mode

action exceptionlog module syserr devid errtype errcode phylayer ports harderror

- /exec/configure/event-manager-applet

action forceshut reset-reason

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

Syntax Description

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

Command Mode

- /exec/configure/event-manager-applet

action overbudgetshut

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

Syntax Description

no	(Optional) Negate a command or set its defaults
action	Configure the actions to be executed
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

action	Configure the actions to be executed
label	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

action	Configure the actions to be executed
label	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
publish-event	Publish an application specific event
sub-system	Sub-system ID to which the application event belongs
sub-system-id	Sub-system ID value
type	Event type value
event-type	Event type value
arg1	(Optional) User specified data to be passed when the event is published
data1	(Optional) User specified data value
arg2	(Optional) User specified data to be passed when the event is published
data2	(Optional) User specified data value
arg3	(Optional) User specified data to be passed when the event is published
data3	(Optional) User specified data value
arg4	(Optional) User specified data to be passed when the event is published
data4	(Optional) User specified data value

Command Mode

- /exec/configure/event-manager-applet

action reload

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

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

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

Command Mode

- /exec/configure/event-manager-applet

action syslog msg

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

Syntax Description

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

Command Mode

- /exec/configure/event-manager-applet

activate

[no] activate

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

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

no	(Optional) Negate a command or set its defaults
activity-timer	Number of seconds where a dynamic-EID is considered active
seconds	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

add	add
cli	cli
commands	commands
filename	filename

Command Mode

- /exec

additional-paths install backup

[no] additional-paths install backup

Syntax Description

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

Command Mode

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

additional-paths receive

[no] additional-paths receive

Syntax Description

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

Command Mode

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

additional-paths selection route-map

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

Syntax Description

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

Command Mode

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

additional-paths send

[no] additional-paths send

Syntax Description

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

Command Mode

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

address-family ip address port

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

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
ip4	Destination IPv4 Address
portnum	Destination port
proto	(Optional)
encoder	(Optional)

Command Mode

- /exec/configure/telemetry/destination-group

address-family ipv4

[no] address-family ipv4

Syntax Description

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

Command Mode

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

address-family ipv4 labeled-unicast

[no] address-family ipv4 labeled-unicast

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family ipv4 labeled-unicast

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

Syntax Description

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

Command Mode

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

address-family ipv4 mdt

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

Syntax Description

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

Command Mode

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

address-family ipv4 mdt

[no] address-family ipv4 mdt

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family ipv4 mvpn

[no] address-family ipv4 mvpn

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family ipv4 mvpn

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

Syntax Description

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

Command Mode

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

address-family ipv4 unicast

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

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family ipv4 unicast

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

Syntax Description

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

Command Mode

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

address-family ipv4 unicast

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

Syntax Description

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

Command Mode

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

address-family ipv4 unicast

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

Syntax Description

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

Command Mode

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

address-family ipv4 unicast

[no] { address-family ipv4 unicast }

Syntax Description

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

Command Mode

- /exec/configure/mpls_static

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

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

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

Command Mode

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

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

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

Command Mode

- /exec/configure/router-rip

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

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

Command Mode

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

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

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

[no] address-family ipv6

Syntax Description

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

Command Mode

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

address-family ipv6 labeled-unicast

[no] address-family ipv6 labeled-unicast

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family ipv6 labeled-unicast

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

Syntax Description

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

Command Mode

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

address-family ipv6 mvpn

[no] address-family ipv6 mvpn

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family ipv6 mvpn

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

Syntax Description

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

Command Mode

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

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure 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 | multicast }

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family ipv6 unicast

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

Syntax Description

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

Command Mode

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

address-family ipv6 unicast

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

Syntax Description

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

Command Mode

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

address-family ipv6 unicast

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

Syntax Description

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

Command Mode

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

address-family ipv6 unicast

[no] { address-family ipv6 unicast }

Syntax Description

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

Command Mode

- /exec/configure/mpls_static

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

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

Command Mode

- /exec/configure/router-ospf3

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

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

Command Mode

- /exec/configure/vrf

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

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

Command Mode

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

address-family l2vpn evpn

[no] address-family l2vpn evpn

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family l2vpn evpn

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

Syntax Description

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

Command Mode

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

address-family l2vpn vpls

[no] address-family l2vpn vpls

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family l2vpn vpls

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

Syntax Description

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

Command Mode

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

address-family link-state

[no] address-family link-state

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family link-state

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

Syntax Description

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

Command Mode

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

address-family vpnv4 unicast

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

Syntax Description

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

Command Mode

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

address-family vpnv4 unicast

[no] address-family vpnv4 unicast

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address-family vpnv6 unicast

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

Syntax Description

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

Command Mode

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

address-family vpnv6 unicast

[no] address-family vpnv6 unicast

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

address

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

Syntax Description

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

Command Mode

- /exec/configure/ipnat-pool

address

[no] address <ip_addr> [primary]

Syntax Description

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

Command Mode

- /exec/configure/if-eth-any/vrrpv3_ipv4

address

[no] address <ipv6_addr>

Syntax Description

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

Command Mode

• /exec/configure/if-eth-any/vrrpv3_ipv6

address

[no] address <ip_addr>

Syntax Description

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

Command Mode

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

address

[no] address <ipv6_addr>

Syntax Description

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

Command Mode

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

address

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

Syntax Description

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

Command Mode

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

address port-number

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

Syntax Description

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

Command Mode

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

address primary

[no] address <ipv6_addr> primary

Syntax Description

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

Command Mode

- /exec/configure/if-eth-any/vrrpv3_ipv6

address secondary

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

Syntax Description

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

Command Mode

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

address secondary

[no] address <ip_addr> secondary

Syntax Description

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

Command Mode

- /exec/configure/if-eth-any/vrrpv3_ipv4

adjacency-check

[no] adjacency-check

Syntax Description

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

Command Mode

- /exec/configure/router-isis/router-isis-af-common

adjacency-resolve

[no] adjacency-resolve

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

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

Command Mode

- /exec/configure/ldp

advertise-map exist default advertise-map

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

Syntax Description

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

Command Mode

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

advertise-pip

[no] advertise-pip

Syntax Description

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

Command Mode

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

advertise-system-mac

[no] advertise-system-mac

Syntax Description

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

Command Mode

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

advertise evpn multicast

[no] advertise evpn multicast

Syntax Description

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

Command Mode

- /exec/configure

advertise l2vpn evpn

[no] advertise l2vpn evpn

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

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

Syntax Description

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

Command Mode

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

advertisement-interval

[no] advertisement-interval <adv-sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
advertisement-interval	Minimum interval between sending BGP routing updates
adv-sec	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

affinity-group

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

Syntax Description

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

Command Mode

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

affinity-group activate

affinity-group activate <affinity_group_id> | no affinity-group activate [<affinity_group_id>]

Syntax Description

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

Command Mode

- /exec/configure/router-bgp

affinity

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

Syntax Description

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

Command Mode

• /exec/configure/te/lsp-attr

affinity

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

Syntax Description

no	Negate a command or set its defaults
affinity	desired link attributes for links comprising tunnel
value	affinity value
mask	(Optional) mask on desired link attributes
mask-value	(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

no	(Optional) Negate a command or set its defaults
aggregate-address	Configure BGP aggregate prefixes
ip-addr	Aggregate address
ip-mask	Aggregate mask
ip-prefix	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
advertise-rmap	(Optional) Route-map name
suppress-rmap	(Optional) Route-map name
attribute-rmap	(Optional) Route-map name

Command Mode

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

aggregate-address

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

Syntax Description

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

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

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
rmap-name	Route-map name

Command Mode

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

allocate-label option-b

[no] allocate-label option-b

Syntax Description

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

Command Mode

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

allocate1 interface2

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

Syntax Description

allocate1	Assign interfaces to vdc
interface2	Assign interface range to vdc
interface-id	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 vdcs <vdc_names>] } | { no allocate2 fcoe-vlan-range [<vlan_range> | { from vdcs <vdc_names> }] }

Syntax Description

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

Command Mode

- /exec/configure/vdc

allocate3 shared interface3

[no] allocate3 shared interface3 <sinterface-id>

Syntax Description

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

Command Mode

- /exec/configure/vdc

allow-vni-in-ethertag

[no] allow-vni-in-ethertag

Syntax Description

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

Command Mode

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

allow delete boot-image

[no] allow delete boot-image [retain]

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

no	(Optional) Negate a command or set its defaults
allow	Used to change permisions 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

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
allowas-in-cnt	(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

allowas-in

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

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
allowas-in	Accept as-path with my AS present in it
allowas-in-cnt	(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

allowed-locators

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

Syntax Description

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

Command Mode

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

allowed-vlans

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

Syntax Description

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

Command Mode

- /exec/configure/vmt-conn

amt flush-routes

[no] amt flush-routes

Syntax Description

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

Command Mode

- /exec/configure /exec/configure/vrf

amt pseudo-interface

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

Syntax Description

no	Negate a command or set its defaults
amt	AMT global configuration commands
pseudo-interface	Tunnel to relay for forwarding IGMP/MLD messages
interface	Intername 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

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

Command Mode

- /exec/configure

anonymous-id

{ [no] anonymous-id <id> }

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

append-after	Append additional entry after specified index
index	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
ipaddr	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

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

Command Mode

- /exec/configure

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

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

Command Mode

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

area authentication

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

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
area-id-ip	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 default-cost

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

Syntax Description

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

Command Mode

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

area default-cost

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

Syntax Description

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

Command Mode

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

area filter-list route-map in

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

Syntax Description

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

Command Mode

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

area filter-list route-map in

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

Syntax Description

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

Command Mode

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

area nssa

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

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
area-id-ip	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
policy-name	(Optional) Route-map name

Command Mode

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

area nssa

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

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
area-id-ip	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
policy-name	(Optional) Route-map name

Command Mode

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

area nssa translate type7 always never supress-fa

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

Syntax Description

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

Command Mode

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

area nssa translate type7 always never supress-fa

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

Syntax Description

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

Command Mode

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

area range

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

Syntax Description

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

no	(Optional) Negate a command or set its defaults
area	Configure area properties
area-id-ip	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
conf-cost	(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

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

Command Mode

- /exec/configure/router-ospf/vrf

area stub

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

Syntax Description

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

Command Mode

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

area stub

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

Syntax Description

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

Command Mode

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

area virtual-link

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

Syntax Description

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

Command Mode

• /exec/configure/router-ospf3

area virtual-link

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

Syntax Description

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

Command Mode

- /exec/configure/router-ospf

area virtual-link

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

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
area-id-ip	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
routerid	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

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

Command Mode

- /exec/configure/router-ospf3/vrf

arp access-list

[no] arp access-list <name>

Syntax Description

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

Command Mode

- /exec/configure

as-format asdot

as-format asdot | no as-format

Syntax Description

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

Command Mode

- /exec/configure

as-override

[no | default] as-override

Syntax Description

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

Command Mode

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

attach module

attach module <module>

Syntax Description

attach	Connect to a specific linecard
module	Module number of the linecard
module	Enter module number

Command Mode

- /exec

auth-mechanism plain

[no] auth-mechanism { plain }

Syntax Description

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

Command Mode

- /exec/configure/ldap

authentication-check

[no] authentication-check

Syntax Description

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

Command Mode

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

authentication-check level-1

[no] authentication-check level-1

Syntax Description

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

Command Mode

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

authentication-check level-2

[no] authentication-check level-2

Syntax Description

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

Command Mode

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

authentication-key

{ [no] authentication-key <key> }

Syntax Description

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

Command Mode

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

authentication-key

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

Syntax Description

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

Command Mode

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

authentication-key

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

Syntax Description

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

Command Mode

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

authentication-type cleartext

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

Syntax Description

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

Command Mode

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

authentication-type cleartext

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

Syntax Description

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

Command Mode

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

authentication

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

Syntax Description

no	Negate a command or set its defaults
authentication	Enable Authentication
ipsec	IPSec
spi	Security Parameter Index
spi_id	SPI Value
md5	Use the MD5 algorithim
akey	Authentication Key
sha1	Use the SHA1 algorithim
akey	Authentication Key

Command Mode

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

authentication

[no] authentication [message-digest | null]

Syntax Description

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

Command Mode

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

authentication

[no] authentication [message-digest | null]

Syntax Description

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

Command Mode

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

authentication

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

Syntax Description

no	Negate a command or set its defaults
authentication	Authentication
text	(Optional) Plain text authentication
secret	Plain text authentication string
md5	Use MD5 authentication
key-chain	Set key chain
chain-name	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
key-name	Key string (64 chars max)
compatibility	(Optional) Operate in compatibility mode for MD5 type-7 authentication
timeout	(Optional) Set timeout
sec	(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

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

Syntax Description

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

Command Mode

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

authentication

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

Syntax Description

no	Negate a command or set its defaults
authentication	Enable Authentication
disable	Disable Authentication
ipsec	IPSec
spi	Security Parameter Index
spi_id	SPI Value
md5	Use the MD5 algorithim
akey	Authentication Key
sha1	Use the SHA1 algorithim
akey	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

no	(Optional) Negate a command or set its defaults
authentication	Configures EIGRP authentication subcommands
key-chain	key-chain
chain	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

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

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

Syntax Description

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

Command Mode

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

authentication key-chain

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

Syntax Description

authentication	Configure RSVP neighbor cryptographic authentication
neighbor	(Optional) Configure RSVP neighbor
nbr	(Optional) RSVP Neighbor address
key-chain	Authentication password key-chain
key-chain-name	Key-chain name

Command Mode

- /exec/configure/ip-rsvp

authentication key-chain

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

Syntax Description

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

Command Mode

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

authentication key-chain

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

Syntax Description

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

Command Mode

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

authentication key-chain

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

Syntax Description

no	Negate a command or set its defaults
authentication	Set authentication keychain string
key-chain	Set authentication keychain string
auth-keychain	authentication keychain
level	IS-IS level

Command Mode

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

authentication lifetime

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

Syntax Description

authentication	Configure RSVP neighbor cryptographic authentication
neighbor	(Optional) Configure RSVP neighbor
nbr	(Optional) RSVP Neighbor address
lifetime	Maximum lifetime of neighbor authentication state
time	Lifetime value(in seconds)

Command Mode

- /exec/configure/ip-rsvp

authentication text

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

Syntax Description

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

Command Mode

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

authentication type md5

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

Syntax Description

authentication	Configure RSVP neighbor cryptographic authentication
neighbor	(Optional) Configure RSVP neighbor
nbr	(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

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

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

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

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

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
ref-bw-mbps	Rate in Mbps (bandwidth) (Default)
ref-bw-gbps	Rate in Gbps (bandwidth)

Command Mode

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

auto-cost reference-bandwidth

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

Syntax Description

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

Command Mode

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

auto-recovery

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

Syntax Description

no	Negate a command or set its defaults
auto-recovery	vPC settings to enable auto recovery if peer is presumed non-operational
reload-delay	(Optional) Duration to wait before assuming peer dead and restoring vpcs
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

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

Command Mode

- /exec/configure/if-nve

autonomous-system

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

Syntax Description

no	Negate a command or set its defaults
autonomous-system	Specify AS number for Address Family
local-as	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

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

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

Command Mode

- /exec/configure/if-te

autostate

[no] autostate

Syntax Description

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

Command Mode

• /exec/configure/if-vlan

autovlan enable

[no] autovlan enable

Syntax Description

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

Command Mode

- /exec/configure/vmt-conn

awk

| awk <expr>

Syntax Description

		Pipe command output to filter
awk	Mini AWK
expr	Edition command (script)

Command Mode

- /output

awk