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table-map

[no] table-map <policy-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Table-map policy used to filter routes and tune attributes before downloading to RIB
filter	(Optional) Filter the routes based on policy results
<i>policy-name</i>	A 'routing-rules' route-map name

Command Mode

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

table-map

[no] table-map <table-map-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Configure a table map
<i>table-map-name</i>	Table map name

Command Mode

- /exec/configure

table-map

table-map <default-tmap-enum-name>

Syntax Description

table-map	Configure a table map
<i>default-tmap-enum-name</i>	

Command Mode

- /exec/configure

table-map

[no] table-map <policy-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Table-map policy used to filter routes and tune attributes before downloading to RIB
filter	(Optional) Filter the routes based on policy results
<i>policy-name</i>	A 'routing-rules' route-map name

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common /exec/configure/router-isis/router-isis-af-ipv4

table-map

[no] table-map <policy-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Policy for filtering/modifying OSPFV3 routes before sending them to RIB
<i>policy-name</i>	Route-map name
filter	(Optional) To block the OSPFV3 routes from being sent to RIB

Command Mode

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

table-map

[no] table-map <map> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Configure Table Map information
<i>map</i>	Route-map name
filter	(Optional) Filter routes which are rejected by route-map

Command Mode

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

table-map

[no] table-map <policy-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Policy for filtering/modifying OSPF routes before sending them to RIB
<i>policy-name</i>	Route-map name
filter	(Optional) To block the OSPF routes from being sent to RIB

Command Mode

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

table-map

[no] table-map <rmap-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Apply table-map to filter routes downloaded into URIB
<i>rmap-name</i>	Route-map name
filter	(Optional) Selective route download

Command Mode

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

tac-pac

tac-pac [non-time-optimized] [<uri0>]

Syntax Description

tac-pac	save tac info in a compressed .gz file at specific location
non-time-optimized	(Optional) save tac info using less memory, but at the cost of more time
<i>uri0</i>	(Optional) Select destination filesystem

Command Mode

- /exec

tac-pac

```
tac-pac [ non-time-optimized ] [ <uri0> [ vrf <vrf-known-name> ] ]
```

Syntax Description

<code>tac-pac</code>	save tac info in a compressed .gz file at specific location
<code>non-time-optimized</code>	(Optional) save tac info using less memory, but at the cost of more time
<code>uri0</code>	(Optional) Select destination filesystem
<code>vrf</code>	(Optional) Display per-VRF information
<code>vrf-known-name</code>	(Optional) Known VRF name

Command Mode

- /exec

tacacs-server downtime

[no] tacacs-server downtime <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
downtime	duration for which non-reachable server is skipped
<i>i0</i>	Length of time, in minutes

Command Mode

- /exec/configure

tacacs-server directed-request

[no] tacacs-server directed-request

Syntax Description

no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
directed-request	enable direct authentication requests to server

Command Mode

- /exec/configure

tacacs-server host key 0 6 7

```
{ { [ no ] tacacs-server host { <hostipname> } { { key { 0 <s0> | 6 <s6> | 7 <s1> | <s2> } [ port <i1> ] [
timeout <i2> ] } } | { [ port1 <i3> ] [ timeout1 <i4> ] } } } | { no tacacs-server host <hostipname> key } }
```

Syntax Description

<i>key</i>	0
no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
host	TACACS+ server's DNS name or its IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
key	TACACS+ shared secret
0	TACACS+ shared secret(clear text)
<i>s0</i>	TACACS+ shared secret(clear text)
port	(Optional) TACACS+ server port
<i>i1</i>	(Optional) TACACS+ server port
timeout	(Optional) TACACS+ server timeout period in seconds
<i>i2</i>	(Optional) TACACS+ server timeout period in seconds
6	TACACS+ shared secret(type-6 encrypted)
<i>s6</i>	TACACS+ shared secret(encrypted)
7	TACACS+ shared secret(encrypted)
<i>s1</i>	TACACS+ shared secret(encrypted)
port1	(Optional) TACACS+ server port
<i>i3</i>	(Optional) TACACS+ server port
timeout1	(Optional) TACACS+ server timeout period in seconds
<i>i4</i>	(Optional) TACACS+ server timeout period in seconds
<i>s2</i>	TACACS+ shared secret(clear text)

Command Mode

- /exec/configure

tacacs-server host test

```
[no] tacacs-server host <hostipnam> test { { username <s0> { [ password <s1> [ idle-time <i1> ] ] } } [ idle-time <i1> ] } } | { password <s1> [ idle-time <i1> ] } | { idle-time <i1> } }
```

Syntax Description

<i>username</i>	<s0>
no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
host	TACACS+ server's DNS name or its IP address
<i>hostipnam</i>	IPV4/IPV6 address or DNS name
test	Parameters to send test packets
<i>s0</i>	user name
password	(Optional) user password in test packets
<i>s1</i>	(Optional) user password
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

Command Mode

- /exec/configure

tacacs-server key 0 6 7

```
{ { [ no ] tacacs-server key { 0 <s0> [ timeout <i0> ] | 6 <s6> [ timeout6 <i6> ] | 7 <s1> [ timeout1 <i1> ] | <s2> [ timeout2 <i2> ] } } | { no tacacs-server key } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
key	Global TACACS+ server shared secret
0	default TACACS+ shared secret(clear text)
<i>s0</i>	default TACACS+ shared secret(clear text)
timeout	(Optional) Global TACACS+ server timeout period in seconds
<i>i0</i>	(Optional) Global TACACS+ server timeout period in seconds
6	default TACACS+ shared secret(type-6 encrypted)
<i>s6</i>	default TACACS+ shared secret(type-6 encrypted)
timeout6	(Optional) Global TACACS+ server timeout period in seconds
<i>i6</i>	(Optional) Global TACACS+ server timeout period in seconds
7	default TACACS+ shared secret(encrypted)
<i>s1</i>	default TACACS+ shared secret(encrypted)
timeout1	(Optional) Global TACACS+ server timeout period in seconds
<i>i1</i>	(Optional) Global TACACS+ server timeout period in seconds
<i>s2</i>	default TACACS+ shared secret(clear text)
timeout2	(Optional) Global TACACS+ server timeout period in seconds
<i>i2</i>	(Optional) Global TACACS+ server timeout period in seconds

Command Mode

- /exec/configure

tacacs-server test

```
[no] tacacs-server test { { username <s0> { [ password <s1> [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password <s1> [ idle-time <i1> ] } | { idle-time <i1> } }
```

Syntax Description

<i>username</i>	<s0>
no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
test	Parameters to send test packets
<i>s0</i>	user name
password	(Optional) user password in test packets
<i>s1</i>	(Optional) user password
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

Command Mode

- /exec/configure

tacacs-server timeout

[no] tacacs-server timeout <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
timeout	Global TACACS+ server timeout period in seconds
<i>i0</i>	Global TACACS+ server timeout period in seconds

Command Mode

- /exec/configure

tacacs enable

[no] tacacs + enable

Syntax Description

no	(Optional) Negate a command or set its defaults
enable	Enable tacacs+

Command Mode

- /exec/configure

tag

```
{ { no | default } tag | tag <text> }
```

Syntax Description

no	
default	Set a command to its defaults
tag	User defined tag
<i>text</i>	Tag string line

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho
/exec/configure/ip-sla/http

tag happens in

```
[no] tag <tag_id> <op> <tag_id> [ <op> <tag_id> [ <op> <tag_id> ] ] happens <threshold> in <interval> |
no tag
```

Syntax Description

no	(Optional) Negate a command or set its defaults
tag	event tag identifier
<i>tag_id</i>	tag name
<i>op</i>	boolean operator
happens	The number of occurrences before raising the event
<i>threshold</i>	Occurs value
in	Number of occurrences must occur within this time period
<i>interval</i>	Enter seconds value

Command Mode

- /exec/configure/event-manager-applet

tahoe-python module

tahoe-python module <module>

Syntax Description

tahoe-python	enter python mode for tahoe systems
module	Module number of the linecard
<i>module</i>	Enter module number

Command Mode

- /exec

tahoe-python module quoted

tahoe-python module <module> quoted <quoted-cmd>

Syntax Description

tahoe-python	enter python mode for tahoe systems
module	Module number of the linecard
<i>module</i>	Enter module number
quoted	enter the command with quotes Add multiple commands separated by semi-colon
<i>quoted-cmd</i>	the command(s) to run in tahoe python

Command Mode

- /exec

tail

tail <uri0> [<i1>]

Syntax Description

tail	Display the last part of a file
<i>uri0</i>	Filename to be displayed
<i>i1</i>	(Optional) Enter the number of lines to be displayed

Command Mode

- /exec

tail

```
| tail [ -n <lines> ]
```

Syntax Description

	Pipe command output to filter
tail	Display last lines
-n	(Optional) modify number of lines (default 10)
<i>lines</i>	(Optional) number of lines to print

Command Mode

- /output

tar

```
tar { create <new-archive-file> [ gz-compress | bz2-compress | uncompressed ] + [ remove | absolute | verbose ] + <files> + | append <archive-file> [ remove | absolute | verbose ] + <files> + | extract <archive-file> [ screen | to <dest-dir> | keep-old | verbose ] + | list <archive-file> }
```

Syntax Description

tar	archiving operations
create	create an archive (merge several files together)
append	append some files to an existing archive
extract	extract files from archive (unmerge them)
verbose	(Optional) display files while merging/extracting
gz-compress	(Optional) compress archive with gzip, the default -> .tar.gz
bz2-compress	(Optional) compress archive with bzip2 -> .tar.bz2
uncompressed	(Optional) dont compress archive -> .tar
remove	(Optional) remove files after adding them to the archive
absolute	(Optional) don't strip leading '/'s from file names
keep-old	(Optional) don't replace existing files when extracting
screen	(Optional) extract files to screen
list	shows the list of files which are part of the archive
<i>new-archive-file</i>	the name of the archive (extension will be added if none of tar/tgz/tar.gz/tar.bz2/tbz2/tar.Z specified)
<i>archive-file</i>	the name of the archive (extension will be added if none of tar/tgz/tar.gz/tar.bz2/tbz2/tar.Z specified)
<i>files</i>	name of file to be added into archive
to	(Optional) extract to specific directory (default is bootflash)
<i>dest-dir</i>	(Optional) destination dir where to extract to (created if not exist), default is bootflash

Command Mode

- /exec

tclsh

tclsh <file> [<args>] +

Syntax Description

tclsh	source tclsh script
<i>file</i>	the file to run
<i>args</i>	(Optional) args to tcl script

Command Mode

- /exec

tclsh

tclsh

Syntax Description

tclsh	Execute tclsh
-------	---------------

Command Mode

- /exec

tcp-connect

```
[no] tcp-connect { <hostname> | <ip-address> | <ipv6-address> } <dest-port> { [ control { disable | enable } ] [ source-ip { <source-ip-hostname> | <source-ip-address> | <source-ipv6-address> } ] [ source-port <src-port> ] } +
```

Syntax Description

<code>no</code>	(Optional)
<code>control</code>	(Optional) enable
<code>source-ip-address</code>	(Optional) <source-ipv6-address>
<code>tcp-connect</code>	TCP Connect Operation
<code>hostname</code>	Destination hostname, broadcast disallowed
<code>ip-address</code>	Destination IP address, broadcast disallowed
<code>dest-port</code>	Port Number (Recommended port range between 1025-65534)
<code>enable</code>	(Optional) Enable control packets exchange (default)
<code>disable</code>	(Optional) Disable control packets exchange
<code>source-ip</code>	(Optional) Source address
<code>source-ip-hostname</code>	(Optional) source IP hostname, broadcast disallowed
<code>source-port</code>	(Optional) Source Port
<code>src-port</code>	(Optional) Port Number (Recommended port range between 1025-65534)

Command Mode

- /exec/configure/ip-sla

telemetry

[no] telemetry

Syntax Description

no	(Optional) Negate a command or set its default
telemetry	

Command Mode

- /exec/configure

telemetry conf-help monitor

telemetry conf-help [no] monitor { all | environment | interfaces | queuing } [no-prompt]

Syntax Description

telemetry	Telemetry
conf-help	Configure helper
no	(Optional) Negate a command or set its default
monitor	Monitor
all	All counters
environment	Environment counters
interfaces	Interface counters
queuing	IP-Qos queuing counters
no-prompt	(Optional) No confirmation prompt

Command Mode

- /exec

telemetry trace redirect telemetry trace

```
telemetry trace { redirect-to-file | redirect-to-tracebuf } | telemetry trace { tm-errors | tm-events | tm-logs } {  
enable | disable | clear }
```

Syntax Description

telemetry	Telemetry
trace	Telemetry trace buffer
redirect-to-file	Redirect trace output to file
redirect-to-tracebuf	Redirect trace output to tracebuffer
tm-errors	Error trace buffer
tm-events	Event trace buffer
tm-logs	Log trace buffer
enable	Enable trace buffers
disable	Disable trace buffers
clear	Clear trace buffers

Command Mode

- /exec

telemetry trigger subscription

telemetry trigger subscription <sub-id> [snsr-grp <snsr-grp-id>] [delay <time>]

Syntax Description

telemetry	Telemetry
trigger	Trigger
subscription	Trigger a Subscription
<i>sub-id</i>	Identifier
snsr-grp	(Optional) Sensor group
<i>snsr-grp-id</i>	(Optional) Identifier
delay	(Optional) Delay
<i>time</i>	(Optional) Time in milliseconds

Command Mode

- /exec

telnet

```
{ telnet { <so> | <host> } } [ <i0> ] [ [ source { <host_src> | <interface> } ] [ vrf { <vrf-name> | <vrf-known-name> } ] ]
```

Syntax Description

telnet	Telnet to another system
<i>so</i>	Enter hostname
<i>host</i>	Enter a valid IPv4 address
source	(Optional) Set source address in IPv4 header
<i>host_src</i>	(Optional) Set IPV4 address as source
<i>interface</i>	(Optional) Set interface to send IPv4 packet
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>i0</i>	(Optional) Enter the port number

Command Mode

- /exec

telnet6

```
{ telnet6 { <s1> | <host1> } } [ <i0> ] [ [ source { <host1_src> | <interface> } ] [ vrf { <vrf-name> | <vrf-known-name> } ] ]
```

Syntax Description

telnet6	Telnet6 to another system using IPv6 addressing
<i>s1</i>	Enter hostname
source	(Optional) Set source address in IPv6 header
<i>interface</i>	(Optional) Set interface to send IPv6 packet
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>i0</i>	(Optional) Enter the port number

Command Mode

- /exec

telnet login-attempts

```
{ { telnet login-attempts <d0> } | { no telnet login-attempts [ <d0> ] } }
```

Syntax Description

no	Negate a command or set its defaults
telnet	telnet login
login-attempts	Set maximum login attempts
<i>d0</i>	Specify max-attempt number

Command Mode

- /exec/configure/

telnet server enable

[no] telnet server enable

Syntax Description

no	(Optional) Negate a command or set its defaults
telnet	Enable telnet
server	Enable telnet
enable	Enable telnet

Command Mode

- /exec/configure

template

template <res-mgr-template-known-name-all>

Syntax Description

template	Change the template for this vdc
<i>res-mgr-template-known-name-all</i>	Resource template for this vdc

Command Mode

- /exec/configure/vdc

template data timeout

{ [no] template data timeout <time> | no template data timeout }

Syntax Description

template	Version 9 Template
data	Data
timeout	Template Data resend time
<i>time</i>	Time in seconds

Command Mode

- /exec/configure/nfm-exporter-v9

template peer-policy

[no] template peer-policy <peer-policy-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
template	Enter template command mode
peer-policy	Template configuration for policy parameters
<i>peer-policy-template-name</i>	Name of peer-policy template

Command Mode

- /exec/configure/router-bgp

template peer-session

[no] template peer-session <peer-session-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
template	Enter template command mode
peer-session	Template configuration for session parameters
<i>peer-session-template-name</i>	Name of peer-session template

Command Mode

- /exec/configure/router-bgp

template peer

[no] template peer <peer-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
template	Enter template command mode
peer	Template configuration for peer parameters
<i>peer-template-name</i>	Neighbor template name

Command Mode

- /exec/configure/router-bgp

terminal

```
terminal { monitor | no { monitor1 | monitor-force } }
```

Syntax Description

terminal	Set terminal line parameters
monitor	Copy Syslog output to the current terminal line
no	Negate a command or set its defaults
monitor1	Copy Syslog output to the current terminal line
monitor-force	Copy Syslog output to the current terminal line

Command Mode

- /exec

terminal alias

[no] terminal alias [persist] [<alias-name> [<command>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
alias	show aliases (if no arguments) create 'exec' aliases (not persistent). Persistent aliases are in config mode, see 'cli alias
persist	(Optional) add terminal alias to <username>.rc.cli file (auto-executed at login time)
<i>alias-name</i>	(Optional) Name of the alias. (if last argument: shows the value of that alias) Command lines can start with an alias and it will be expanded before parsing. An alias can also be used right after a pipe. The substitution text can contain things like '\$1 \$2' and those \$<number> will be substituted by correspondingly numbered token from the command line starting the counting after the alias.
<i>command</i>	(Optional) Value of the alias (what the alias will be substituted with)

Command Mode

- /exec

terminal ask-on-term

[no] terminal ask-on-term <term>

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
ask-on-term	ask backend driven question on given terminal
<i>term</i>	the terminal (/dev/ptsX)

Command Mode

- /exec

terminal color

[no] terminal color [persist]

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
color	enable colorization of prompt(green if last command ok, red if error), command line (blue), output (default color)
persist	(Optional) add command to <username>.rc.cli file (auto-execed at login time)

Command Mode

- /exec

terminal context management

[no] terminal context management

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
context	set the vrf context
management	vrf context management

Command Mode

- /exec

terminal deep-help

[no] terminal deep-help

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
deep-help	enable cli syntax and list

Command Mode

- /exec

terminal dont-ask

[no] terminal dont-ask [persist]

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
dont-ask	Don't ask 'are you sure' questions, take default answer instead
persist	(Optional) add command to <username>.rc.cli file (auto-execed at login time)

Command Mode

- /exec

terminal edit-mode vi

[no] terminal edit-mode vi [persist]

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
edit-mode	set command line edition keys (vi or emacs emacs is default)
vi	edit like in vi by default in insert-mode, use ~ for command-mode
persist	(Optional) add command to <username>.rc.cli file (auto-execed at login time)

Command Mode

- /exec

terminal event-manager bypass

terminal [<noarg>] event-manager bypass

Syntax Description

terminal	Set terminal line parameters
<i>noarg</i>	(Optional)
event-manager	Event manager cli event
bypass	Bypass event manager cli event publish

Command Mode

- /exec

terminal history no-exec-in-config

[no] terminal history no-exec-in-config

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
history	configure terminal history properties
no-exec-in-config	don't recall exec commands while in config mode

Command Mode

- /exec

terminal history no-exec-in-config

[no] terminal history no-exec-in-config

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
history	configure terminal history properties
no-exec-in-config	don't recall exec commands while in config mode

Command Mode

- /exec

terminal history no-exec-in-config

[no] terminal history no-exec-in-config

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
history	configure terminal history properties
no-exec-in-config	don't recall exec commands while in config mode

Command Mode

- /exec

terminal home

terminal home

Syntax Description

terminal	Set terminal line parameters
home	go back to line 1 position 1 without erasing the screen (to be used in cli command loops)

Command Mode

- /exec

terminal length

terminal length <i0>

Syntax Description

terminal	Set terminal line parameters
length	Set number of lines on a screen
<i>i0</i>	Number of lines on screen (0 for no pausing)

Command Mode

- /exec

terminal length

terminal length <i0>

Syntax Description

terminal	Set terminal line parameters
length	Set number of lines on a screen
<i>i0</i>	Number of lines on screen (0 for no pausing)

Command Mode

- /exec/configure/console

terminal lock

terminal lock

Syntax Description

terminal	Set terminal line parameters
lock	Locks the CLI Config mode

Command Mode

- /exec

terminal log-all

[no] terminal log-all

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Configure terminal settings
log-all	Accounting log all commands including the show commands

Command Mode

- /exec/configure

terminal no

terminal no { length | terminal-type | width }

Syntax Description

terminal	Set terminal line parameters
no	Negate a command or set its defaults
length	Set number of lines on a screen
terminal-type	Set the terminal type
width	Set width of the display terminal

Command Mode

- /exec

terminal output xml

[no] terminal output xml

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
output	how output of show commands should be formatted
xml	xml output

Command Mode

- /exec

terminal output xml

[no] terminal output xml

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
output	how output of show commands should be formatted
xml	xml output

Command Mode

- /exec

terminal output xml

[no] terminal output xml <namespace-version>

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
output	how output of show commands should be formatted
xml	xml output
<i>namespace-version</i>	enter the version for xml output

Command Mode

- /exec

terminal password

terminal password <password> | no terminal password [<password>]

Syntax Description

no	Negate a command or set its defaults
terminal	Set terminal line parameters
password	set a password to be used in copy scp/ftp commands use online help on the argument to disable echo so you don't need to type control-x-e twice (to toggle echo), echo will be re-enabled after carriage-return
<i>password</i>	Enter the password (online help that you just did disabled echo so type your password and press return

Command Mode

- /exec

terminal prompt

[no] terminal prompt [fix [<name>] [with-cr] | mode | { fq-command | command } | status | exec-time | time | no-echo] +

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
prompt	configure how the prompt should look like
fix	(Optional) set the prompt to a fix name (default _prompt_)
with-cr	(Optional) add a carriage return at the end of the prompt
<i>name</i>	(Optional) name to use as a fix prompt
mode	(Optional) include the cli mode name (ex: config-if) into the prompt
fq-command	(Optional) include the fully qualified command just executed (formatted like in accounting log)
command	(Optional) include the previous command (not including the mode and mode instance)
status	(Optional) include the status of previous command (0=success)
exec-time	(Optional) include the time it took to execute previous command
time	(Optional) include the time when prompt was printed
no-echo	(Optional) dont echo the typed characters

Command Mode

- /exec

terminal redirection-mode

terminal redirection-mode <mode>

Syntax Description

terminal	Set terminal line parameters
redirection-mode	Set the redirection mode
<i>mode</i>	

Command Mode

- /exec

terminal reset-role

terminal reset-role <num>

Syntax Description

terminal	Set terminal line parameters
reset-role	Reset the privilege role to default
<i>num</i>	Enter the role num

Command Mode

- /exec

terminal reset vlan-config-mutex

terminal reset vlan-config-mutex

Syntax Description

terminal	Set terminal line parameters
reset	Force reset of the vlan config mode mutex
vlan-config-mutex	Vlan configuration mutex

Command Mode

- /exec

terminal session-timeout

terminal session-timeout <i0>

Syntax Description

terminal	Set terminal line parameters
session-timeout	Set session timeout
<i>i0</i>	Enter timeout in minutes, 0 to disable

Command Mode

- /exec

terminal sticky-mode

terminal [<noarg>] sticky-mode

Syntax Description

terminal	Set terminal line parameters
<i>noarg</i>	(Optional)
sticky-mode	Search for the command match in current mode only

Command Mode

- /exec

terminal terminal-type

terminal terminal-type <*s0*>

Syntax Description

terminal	Set terminal line parameters
terminal-type	Set the terminal type
<i>s0</i>	Terminal type

Command Mode

- /exec

terminal time

terminal time [<name>] [delta]

Syntax Description

terminal	Set terminal line parameters
time	save the current time under a variable
<i>name</i>	(Optional) the variable to store the time in
delta	(Optional) print the delta time to the currently saved time value

Command Mode

- /exec

terminal tree-update

terminal tree-update

Syntax Description

terminal	Set terminal line parameters
tree-update	Updates the main parse tree

Command Mode

- /exec

terminal unlock

terminal unlock

Syntax Description

terminal	Set terminal line parameters
unlock	Force unlocking of the CLI config mode

Command Mode

- /exec

terminal verify-only

terminal [<noarg>] verify-only [username <user>]

Syntax Description

terminal	Set terminal line parameters
<i>noarg</i>	(Optional)
verify-only	Verify command and do not execute
username	(Optional) Username for aaa authorization
<i>user</i>	(Optional) Username for aaa authorization

Command Mode

- /exec

terminal width

terminal width <*i0*>

Syntax Description

terminal	Set terminal line parameters
width	Set width of the display terminal
<i>i0</i>	Number of characters on a screen line

Command Mode

- /exec

terminal width

terminal width <*i0*>

Syntax Description

terminal	Set terminal line parameters
width	Set width of the display terminal
<i>i0</i>	Number of characters on a screen line

Command Mode

- /exec/configure/console

threshold-percent

```
threshold-percent { percent-threshold { percentup <up-percentage> [ percentdown<down-percentage> ] |
percentdown<down-percentage> [ percentup <up-percentage> ] } } | no threshold-percent { percent-threshold
}
```

Syntax Description

no	Negate a command or set its defaults
threshold-percent	Threshold parameters
percent-threshold	Percentage threshold
percentup	Up threshold
<i>up-percentage</i>	Up threshold percentage

Command Mode

- /exec/configure/tr-list-thrp

threshold

{ { no | default } threshold | threshold <milliseconds> }

Syntax Description

no	
default	Set a command to its defaults
threshold	Operation threshold
<i>milliseconds</i>	Millisecond threshold value

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho
/exec/configure/ip-sla/http

time-range

[no] time-range <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
time-range	Define time range entries
<i>name</i>	Time range name

Command Mode

- /exec/configure

timeout

{ no timeout | timeout <value> }

Syntax Description

no	
timeout	Inactivity timeout period
<i>value</i>	Session inactivity timeout in seconds (default 900)

Command Mode

- /exec/configure/config-twamp-ref

timeout

{ { no | default } timeout |

Syntax Description

no	
default	Set a command to its defaults
timeout	Timeout of an operation

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho
/exec/configure/ip-sla/http

timeout

```
{ timeout <timeout> }
```

Syntax Description

timeout	Specify
<i>timeout</i>	Timeout

Command Mode

- /exec/configure/configngoamconnectcheck

timer

timer <value> | no timer

Syntax Description

no	Negate a command or set its defaults
timer	Configure Bundle timer value
<i>value</i>	Hello timer value

Command Mode

- /exec/configure/anycast

timer inactivity

{ no timer inactivity | timer inactivity <value> }

Syntax Description

no	
timer	Timer configurations
inactivity	Inactivity timer
<i>value</i>	Max number of inactive seconds (default 900)

Command Mode

- /exec/configure/config-twamp-srvr

timers

```
[no] timers { nsf { route-hold <hold-interval> | converge <converge-interval> | signal <signal-interval> } |
active-time [ <max-active-time> | disabled ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Set EIGRP timers
nsf	EIGRP NSF timer
route-hold	EIGRP hold time for routes learned from nsf peer
<i>hold-interval</i>	Seconds
active-time	EIGRP time limit for active state
<i>max-active-time</i>	(Optional) EIGRP active-state time limit in minutes
disabled	(Optional) disable EIGRP time limit for active state
converge	EIGRP time limit for convergence after switchover
<i>converge-interval</i>	Seconds
signal	EIGRP time limit for signaling NSF restart
<i>signal-interval</i>	Seconds

Command Mode

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

timers

```
timers { <hello-time> { <hold-time> | msec-hold <msec-hold> } | msec-hello <msec-hello> { <hold-time> | msec-hold <msec-hold> } } | no timers
```

Syntax Description

no	Negate a command or set its defaults
timers	Hello and hold timers
<i>hello-time</i>	Hello interval in seconds
<i>hold-time</i>	Hold time in seconds
msec-hold	Specify hold interval in milliseconds
<i>msec-hold</i>	Hold interval in milliseconds
msec-hello	Specify hello interval in milliseconds
<i>msec-hello</i>	Hello interval in milliseconds

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

timers

timers <keepalive-interval> <hold-time> | { no | default } timers [<keepalive-interval> <hold-time>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
timers	Configure keepalive and hold timers
<i>keepalive-interval</i>	Keepalive interval (seconds)
<i>hold-time</i>	Holdtime (seconds)

Command Mode

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

timers advertise

[no] timers advertise | timers advertise <val>

Syntax Description

no	Negate a command or set its defaults
timers	Set the VRRP timers
advertise	Set the advertise timer
<i>val</i>	Advertisement interval in milliseconds

Command Mode

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

timers basic

timers basic <update> <invalid> <holddown> <garbage> | no timers basic [<update> <invalid> <holddown> <garbage>]

Syntax Description

no	Negate a command or set its defaults
timers	RIP set timers
basic	RIP set basic timers
<i>update</i>	RIP update period
<i>invalid</i>	RIP route timeout period
<i>holddown</i>	RIP route holddown period
<i>garbage</i>	RIP route garbage period

Command Mode

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

timers bestpath-defer maximum

[no] timers bestpath-defer <bestpath-defer-time> maximum <bestpath-defer-time-max>

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Configure bgp related timers
bestpath-defer	Configure bestpath defer timer value for batch prefix processing
<i>bestpath-defer-time</i>	Bestpath defer time (mseconds)
maximum	Configure bestpath defer timer maximum value
<i>bestpath-defer-time-max</i>	Maximum bestpath defer time (mseconds)

Command Mode

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

timers bestpath-limit

timers bestpath-limit <bestpath-timeout> [always] | no timers bestpath-limit [<bestpath-timeout>]

Syntax Description

no	Negate a command or set its defaults
timers	Configure bgp related timers
bestpath-limit	Configure timeout for first bestpath after restart
<i>bestpath-timeout</i>	Bestpath timeout (seconds)
always	(Optional) Configure update-delay-always option

Command Mode

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

timers bgp

[no] timers bgp <keepalive-interval> <hold-time>

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Configure bgp related timers
bgp	Configure different bgp keepalive and holdtimes
<i>keepalive-interval</i>	Keepalive interval (seconds)
<i>hold-time</i>	Holdtime (seconds)

Command Mode

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

timers lsa-arrival

```
{ { timers lsa-arrival <interval> } | { no timers lsa-arrival [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
lsa-arrival	Mimimum interval between arrival of a LSA
<i>interval</i>	Interval value (millisecond)

Command Mode

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

timers lsa-arrival

```
{ { timers lsa-arrival <interval> } | { no timers lsa-arrival [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
lsa-arrival	Mimimum interval between arrival of a LSA
<i>interval</i>	Interval value (milliseconds)

Command Mode

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

timers lsa-group-pacing

```
{ { timers lsa-group-pacing <interval> } | { no timers lsa-group-pacing [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
lsa-group-pacing	LSA group refresh/maxage interval
<i>interval</i>	Interval value (seconds)

Command Mode

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

timers lsa-group-pacing

```
{ { timers lsa-group-pacing <interval> } | { no timers lsa-group-pacing [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
lsa-group-pacing	LSA group refresh/maxage interval
<i>interval</i>	Interval value (seconds)

Command Mode

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

timers prefix-peer-timeout

timers prefix-peer-timeout <prefixpeer-timeout> | no timers prefix-peer-timeout [<prefixpeer-timeout>]

Syntax Description

no	Negate a command or set its defaults
timers	Configure bgp related timers
prefix-peer-timeout	Configure how long state for a prefix peer is maintained
<i>prefixpeer-timeout</i>	Prefix Peer timeout (seconds)

Command Mode

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

timers prefix-peer-wait

timers prefix-peer-wait <prefixpeer-wait> | no timers prefix-peer-wait [<prefixpeer-wait>]

Syntax Description

no	Negate a command or set its defaults
timers	Configure bgp related timers
prefix-peer-wait	Configure wait timer for a prefix peer
<i>prefixpeer-wait</i>	Prefix peer wait timer (seconds)

Command Mode

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

timers srgb cleanup

```
{ { timers srgb cleanup <interval> } | { no timers srgb cleanup [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
srgb	Configure SRGB related timer constants
cleanup	Interval for which SR will wait for SRGB cleanup ACK from clients
<i>interval</i>	Interval value (seconds)

Command Mode

- /exec/configure/config-sr-mpls

timers srgb retry

```
{ { timers srgb retry <interval> } | { no timers srgb retry [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
srgb	Configure SRGB related timer constants
retry	Interval for which SR will retry SRGB allocation with ULIB
<i>interval</i>	Interval value (seconds)

Command Mode

- /exec/configure/config-sr-mpls

timers throttle lsa

```
{ { timers throttle lsa <start-time> <hold-time> <max-time> } | { no timers throttle lsa [ <start-time> <hold-time> <max-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
throttle	Set rate-limiting values (milliseconds)
lsa	Set rate-limiting for LSA generation
<i>start-time</i>	Start interval (milliseconds)
<i>hold-time</i>	Hold interval (milliseconds)
<i>max-time</i>	Max interval (milliseconds)

Command Mode

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

timers throttle lsa

```
{ { timers throttle lsa <start-time> <hold-time> <max-time> } | { no timers throttle lsa [ <start-time>
<hold-time> <max-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
throttle	Set rate-limiting values (milliseconds)
lsa	Set rate-limiting for LSA generation
<i>start-time</i>	Start interval (milliseconds)
<i>hold-time</i>	Hold interval (milliseconds)
<i>max-time</i>	Max interval (milliseconds)

Command Mode

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

timers throttle spf

```
{ { timers throttle spf <start-time> <hold-time> <max-time> } | { no timers throttle spf [ <start-time> <hold-time> <max-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
throttle	Configure timer related constants
spf	OSPF SPF timers
<i>start-time</i>	Initial SPF schedule delay in milliseconds
<i>hold-time</i>	Minimum hold time between SPF calculations
<i>max-time</i>	Maximum wait time between SPF calculations

Command Mode

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

timers throttle spf

```
{ { timers throttle spf <start-time> <hold-time> <max-time> } | { no timers throttle spf [ <start-time>
<hold-time> <max-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
throttle	Configure timer related constants
spf	OSPF SPF timers
<i>start-time</i>	Initial SPF schedule delay in milliseconds
<i>hold-time</i>	Minimum hold time between SPF calculations
<i>max-time</i>	Maximum wait time between SPF calculations

Command Mode

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

tls trust-point local remote

tls trust-point local <tp_local> remote <tp_remote> | no tls trust-point

Syntax Description

no	Negate a command or set its defaults
tls	OpenFlow switch tls
trust-point	Configure local and remote trustpoints
local	Configure local trustpoint
<i>tp_local</i>	Local trustpoint name
remote	Configure remote trustpoint
<i>tp_remote</i>	Remote trustpoint name

Command Mode

- /exec/configure/openflow/switch/sub-switch

tls trust-point local remote

tls trust-point local <tp_local> remote <tp_remote> | no tls trust-point

Syntax Description

no	Negate a command or set its defaults
tls	OpenFlow switch tls
trust-point	Configure local and remote trustpoints
local	Configure local trustpoint
<i>tp_local</i>	Local trustpoint name
remote	Configure remote trustpoint
<i>tp_remote</i>	Remote trustpoint name

Command Mode

- /exec/configure/openflow/switch

topology

[no] topology <tpg-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
topology	Configure Layer-2 Topology for IS-IS
<i>tpg-id</i>	L2 Topology ID 1-63

Command Mode

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

topology holddown sigerr

[no] topology holddown sigerr | topology holddown sigerr <sec>

Syntax Description

no	Negate a command or set its defaults
topology	Topology Database Configuration
holddown	Topology Database hold down timers
sigerr	Link hold down time for signalling errors
<i>sec</i>	Hold down time in seconds

Command Mode

- /exec/configure/te

tos

{ { no | default } tos | tos <tos-value> }

Syntax Description

no	
default	Set a command to its defaults
tos	Type of Service
<i>tos-value</i>	Type of Service Value

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/http

tr

```
| tr [ -c | -d | -s | -t ] + <SET1> [ <SET2> ]
```

Syntax Description

	Pipe command output to filter
tr	Translate, squeeze, and/or delete characters
-c	(Optional) first complement SET1
-d	(Optional) delete characters in SET1, do not translate
-s	(Optional) replace each sequence of a repeated character from SET1 with single occurrence of that character
-t	(Optional) first truncate SET1 to length of SET2
<i>SET1</i>	character SET1: CHAR1-CHAR2 = all characters from CHAR1 to CHAR2 in ascending order special chars: (tab) (new line) [:alnum:] [:alpha:] [:digit:] [:graph:] (printable, no space) [:print:] (printable, with space) [:lower:] [:upper:] [:space:] (tab or space)
<i>SET2</i>	(Optional) character SET2 (for translation length is extended to length of SET1 by repeating last char, excess chars are ignored): format same as SET1 [CHAR*] = copies of CHAR until length of SET1 [CHAR*REPEAT] = REPEAT copies of CHAR

Command Mode

- /output

trace buffer size

trace buffer { error | warning | event } size <size>

Syntax Description

trace	MPLS static trace
buffer	MPLS static trace buffer
error	MPLS static error trace
warning	MPLS static warning trace
event	MPLS static event trace
size	trace buffer size in Kbytes
<i>size</i>	trace buffer size in Kbytes

Command Mode

- /exec/configure/mpls_static

tracert

```
tracert { <host> | <hostname> } [ port <portnumber> ] [ [ source-interface <src-intf> ] | [ source { <host> | <hostname> | <interface> } ] ] [ vrf { <vrf-name> | <vrf-known-name> } ] ] ]
```

Syntax Description

tracert	Tracert
<i>host</i>	IP address of remote system
<i>hostname</i>	Hostname of remote system
port	(Optional) Set destination port
<i>portnumber</i>	(Optional) Enter destination port number
source	(Optional) Set source address in IP header
<i>interface</i>	(Optional) Interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source-interface	(Optional) Select source interface
<i>src-intf</i>	(Optional) Specify interface

Command Mode

- /exec

traceroute6

```
traceroute6 { <host> | <hostname> } [ [ [ source { <host> | <hostname> | <interface> } ] ] vrf { <vrf-name>
| <vrf-known-name> } ] ] [ source-interface <src-intf> ] ]
```

Syntax Description

traceroute6	Traceroute6
<i>hostname</i>	Hostname of remote system
source	(Optional) Set source address in IPv6 header
<i>interface</i>	(Optional) Interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source-interface	(Optional) Select source interface
<i>src-intf</i>	(Optional) Specify interface

Command Mode

- /exec

traceroute mpls

```
traceroute mpls [ { nil-fec labels <comma-separated-labels> } { output { ointerface <tx-interface> } nexthop
<nexthop-ip-addr> } [ { timeout <seconds> } | { destination <addr-start> [ <addr-end> [ <addr-incr-mask> |
<addr-incr> ] ] } | { source <addr> } | { exp <exp-value> } | { ttl <ttl-max> } | { verbose } | { reply { { mode
{ <reply-mode-ipv4> | router-alert | no-reply } } | { dscp { <dscp-bits> | af11 | af12 | af13 | af21 | af22 | af23
| af31 | af32 | af33 | af41 | af42 | af43 | cs1 | cs2 | cs3 | cs4 | cs5 | cs6 | cs7 | default | ef } } } + | {
force-explicit-null } | { flags { fec } } ] + ]
```

Syntax Description

traceroute	need
mpls	Test
nil-fec	(Optional) Target
labels	(Optional) A
<i>comma-separated-labels</i>	(Optional) A
timeout	(Optional) Timeout
<i>seconds</i>	(Optional) Timeout
destination	(Optional) Destination
<i>addr-start</i>	(Optional) Destination
<i>addr-end</i>	(Optional) Destination
<i>addr-incr-mask</i>	(Optional) Destination
<i>addr-incr</i>	(Optional) Destination
source	(Optional) Source
<i>addr</i>	(Optional) Source
exp	(Optional) EXP
<i>exp-value</i>	(Optional) EXP
ttl	(Optional) Maximum
<i>ttl-max</i>	(Optional) TTL
verbose	(Optional) Verbose
reply	(Optional) Reply
mode	(Optional) Reply
reply-mode-ipv4	(Optional) Send

router-alert	(Optional) Send
no-reply	(Optional) Send
dscp	(Optional) DSCP
<i>dscp-bits</i>	(Optional) Differentiated
af11	(Optional) Match
af12	(Optional) Match
af13	(Optional) Match
af21	(Optional) Match
af22	(Optional) Match
af23	(Optional) Match
af31	(Optional) Match
af32	(Optional) Match
af33	(Optional) Match
af41	(Optional) Match
af42	(Optional) Match
af43	(Optional) Match
cs1	(Optional) Match
cs2	(Optional) Match
cs3	(Optional) Match
cs4	(Optional) Match
cs5	(Optional) Match
cs6	(Optional) Match
cs7	(Optional) Match
default	(Optional) Match
ef	(Optional) Match
force-explicit-null	(Optional) Force
output	(Optional) Output
ointerface	(Optional) Echo
<i>tx-interface</i>	(Optional) Echo

nexthop	(Optional) Next
<i>nexthop-ip-addr</i>	(Optional) Next
flags	(Optional) Flag
fec	(Optional) Request

Command Mode

- /exec

traceroute nve

```
traceroute nve { { { ip { <numeric10> | <numeric11> | unknown } } [ vrf { <vrf-name> | <vrf-known-name>
} ] { <dot1qid1> } } } | mac <dmac> <dot1qid> [ <intfid> ] [ profile <pid> ] [ payload { [ mac-addr <dstmac>
<smac> ] [ dot1q <dot1q-id> ] [ ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6> ] [ port <sport> <dport> ] [
proto <proto-id> ] } payload-end ] [ source { <numeric1> | <numeric2> } ] |
```

Syntax Description

traceroute	Test
nve	network virtualization edge
<i>numeric10</i>	Ipv4 address of remote host / VTEP
unknown	Peer vtep ip is unknown, will be derived from payload
<i>intfid</i>	(Optional) Name of the interface for ngoam traceroute on which dot1q is configured
profile	(Optional) NGOAM profile to use
<i>pid</i>	(Optional) NGOAM profile id
mac	Mac
<i>dmac</i>	Destination mac address
<i>dot1qid</i>	Encapsulation dot1q/bd on which the mac is learnt
<i>dot1qid1</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source	(Optional) Source
<i>numeric1</i>	(Optional) IP
payload	(Optional) Enter customer payload
mac-addr	(Optional) Mac
<i>dstmac</i>	(Optional) Destination mac address
<i>smac</i>	(Optional) Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
<i>dot1q-id</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt
ip	ip address

<i>dstip</i>	(Optional) Destination ipv4 address
<i>srcip</i>	(Optional) source ipv4 address
<i>ipv6</i>	(Optional) ipv6 address
<i>port</i>	(Optional) L4 port info
<i>sport</i>	(Optional) Source port
<i>dport</i>	(Optional) Destination port
<i>proto</i>	(Optional) Protocol
<i>proto-id</i>	(Optional) IANA Protocol id
<i>payload-end</i>	(Optional) End payload info input

Command Mode

- /exec

track-adjacency-nexthop

[no] track-adjacency-nexthop

Syntax Description

no	(Optional) Negate a command or set its defaults
track-adjacency-nexthop	Track next-hop for same-site Overlay adjacencies

Command Mode

- /exec/configure/otv-isis

track

track <object-id>

Syntax Description

track	Object tracking deletion command
<i>object-id</i>	Tracked Object

Command Mode

- /exec/configure

track

[no] track <object-number> [decrement <value>]

Syntax Description

no	(Optional) Negate a command or set its defaults
track	Associates track object to HSRP group
<i>object-number</i>	Set the object number to the group
decrement	(Optional) Decrements when tracked object goes down
<i>value</i>	(Optional) Set the value to decrement from priority

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

track

track <object-number> | no track

Syntax Description

no	Negate a command or set its defaults
track	Associates track object to Anycast Bundle
<i>object-number</i>	Set the object number

Command Mode

- /exec/configure/anycast

track

[no] track <object-id> [force]

Syntax Description

no	Negate a command or set its defaults
track	Object tracking deletion command
<i>object-id</i>	Tracked Object
force	(Optional) Completely remove the object

Command Mode

- /exec/configure

track

```
track <object-id> { { ip_v4 route <route-prefix> reachability [ hmm ] } | { ip_v6 routev6 <v6route-prefix> reachability [ hmm ] } }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
ip_v4	IPv4 protocol
route	IPv4 route
<i>route-prefix</i>	Specify ipv4 route prefix
ip_v6	IPv6 protocol
routev6	IPv6 route
reachability	Route reachability state
hmm	(Optional) Track routes owned by hmm

Command Mode

- /exec/configure

track

```
track <object-id> { ip_v4 sla <sla-id> [ sla_reachability | sla_state ] }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
ip_v4	IPv4 protocol
sla	IP Service Level Agreement
<i>sla-id</i>	Entry number
sla_reachability	(Optional) Reachability
sla_state	(Optional) return code state

Command Mode

- /exec/configure

track

```
track <object-id> { list { boolean <bool-val> } }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
list	Object tracking list
boolean	boolean list type
<i>bool-val</i>	boolean list type

Command Mode

- /exec/configure

track

```
track <object-id> { list threshold <weight-val> }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
list	Object tracking list
threshold	threshold type
<i>weight-val</i>	threshold weight type

Command Mode

- /exec/configure

track

```
track <object-id> { list threshold <percentage-val> }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
list	Object tracking list
threshold	threshold type
<i>percentage-val</i>	threshold percentage type

Command Mode

- /exec/configure

track

track <track-obj> | no track <track-obj>

Syntax Description

no	Negate a command or set its defaults
track	Tracking object to suspend vPC if object goes down
<i>track-obj</i>	Tracked object

Command Mode

- /exec/configure/vpc-domain

track data

[no] track data <loc-uri>

Syntax Description

no	(Optional) Negate a command or set its defaults
data	User files to preserve
track	Track file uri
<i>loc-uri</i>	Enter file uri

Command Mode

- /exec/configure/personality

track interface

```
track <object-id> interface <ifnum> { line-protocol | ipv4 routing | ipv6 routingv6 }
```

Syntax Description

track	Object tracking configuration commands
<i>object-id</i>	Tracked Object
interface	Interface to track
<i>ifnum</i>	Interface type and number
line-protocol	Track interface line-protocol
ipv4	IPv4 parameters
routing	Track interface ipv4 routing
ipv6	IPv6 parameters
routingv6	Track interface ipv6 routing

Command Mode

- /exec/configure

track interface priority

```
{ { track { { interface <intf_num> priority <priority_value> } | { <object-num> [ decrement <decrement-value> ] } } } | { no track [ { { interface <intf_num> priority <priority_value> } | { <object-num> [ decrement <decrement-value> ] } } ] } }
```

Syntax Description

no	Negate a command or set its defaults
track	Track the availability of another interface/object
interface	Select the tracked interface(Native tracking)
<i>intf_num</i>	
priority	Vr priority used when the tracked interface is down
<i>priority_value</i>	
<i>object-num</i>	Set the object number to the group(Object tracking)
decrement	(Optional) Decrements priority when tracked object goes down
<i>decrement-value</i>	(Optional) Set the value to decrement from priority

Command Mode

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

track running-state track startup-state

[no] track running-state | [no] track startup-state

Syntax Description

no	(Optional) Negate a command or set its defaults
track	Track file uri
running-state	active patches, third-party RPMs, and running-config
startup-state	committed patches, third-party RPMs, and startup-config

Command Mode

- /exec/configure/personality

tracking enable

```
[no] tracking { enable [ reachable-lifetime { <reach_secs> | infinite } ] | disable [ stale-lifetime { <stale_secs> | infinite } ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>reach_secs</i>	(Optional) Seconds
<i>stale_secs</i>	(Optional) Seconds
infinite	(Optional) Keep entry in chosen state forever

Command Mode

- /exec/configure/config-snoop-policy

traffic-class

```
{ { no | default } traffic-class | traffic-class <traffic-class> }
```

Syntax Description

no	
default	Set a command to its defaults
traffic-class	Traffic Class
<i>traffic-class</i>	Traffic Class Value

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/http

traffic-engineering

[no] traffic-engineering

Syntax Description

no	(Optional) Negate a command or set its defaults
traffic-engineering	Configure Traffic Engineering related configurations

Command Mode

- /exec/configure/sr

traffic-share

[no] traffic-share { balanced | { min across-interfaces } }

Syntax Description

no	(Optional) Negate a command or set its defaults
traffic-share	How to compute traffic share over alternate paths
balanced	Share inversely proportional to metric
min	All traffic shared among min metric paths
across-interfaces	Use different interfaces for equal-cost paths

Command Mode

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

transmit-delay

```
{ { transmit-delay <delay> } | { no transmit-delay [ <delay> ] } }
```

Syntax Description

no	Negate a command or set its defaults
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

Command Mode

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

transmit-delay

```
{ { transmit-delay <delay> } | { no transmit-delay [ <delay> ] } }
```

Syntax Description

no	Negate a command or set its defaults
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

Command Mode

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

transmit-delay

```
{ { transmit-delay <delay> } | { no transmit-delay [ <delay> ] } }
```

Syntax Description

no	Negate a command or set its defaults
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

Command Mode

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

transport connection-mode passive

[no | default] transport connection-mode passive

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
transport	BGP transport connection
connection-mode	Specify type of connection
passive	Allow passive connection setup only

Command Mode

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

transport email

```
{ transport email { from <s0> | reply-to <s1> | smtp-server { <hostipv4> | <hostipv6> | <hostname> } [ port <i1> ] [ use-vrf <s2> ] } | no transport email smtp-server | no transport email { from | reply-to } }
```

Syntax Description

no	Negate a command or set its defaults
transport	Configure transport related configuration
email	Configure email transport related configuration
from	Configure from email address
<i>s0</i>	Provide from email address, example: SJ-9500-1@xyz.com
reply-to	Configure replyto email address
<i>s1</i>	Provide reply-to email address, example: admin@xyz.com
smtp-server	Configure SMTP server address
<i>hostname</i>	SMTP server(DNS name or IPv4 or IPv6 address)
<i>hostipv4</i>	IPV4 address of SMTP server
port	(Optional) Configure SMTP server port (default:25)
<i>i1</i>	(Optional) SMTP server port
use-vrf	(Optional) Configure vrf name
<i>s2</i>	(Optional) vrf name

Command Mode

- /exec/configure/callhome

transport email mail-server

```
{ [ no ] transport email mail-server { <hostipv4> | <hostipv6> | <hostname> } [ port <i1> ] [ priority <i2> ]
[ use-vrf <s2> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
transport	Configure transport related configuration
email	Configure email transport related configuration
mail-server	Configure SMTP server address (for supporting multiple SMTP-servers)
<i>hostname</i>	SMTP server(DNS name or IPv4 or IPv6 address)
<i>hostipv4</i>	IPV4 address of SMTP server
port	(Optional) Configure SMTP server port (default:25)
<i>i1</i>	(Optional) SMTP server port
use-vrf	(Optional) Configure vrf name
<i>s2</i>	(Optional) vrf name
priority	(Optional) Configure SMTP server priority (1-100) (default:50)
<i>i2</i>	(Optional) SMTP server priority

Command Mode

- /exec/configure/callhome

transport http proxy enable

[no] transport http proxy enable

Syntax Description

no	(Optional) Negate a command or set its defaults
transport	Configure transport related configuration
http	Configure transport option for http urls
proxy	Configure proxy for http transport
enable	Enable the usage of proxy server for messages sent over http(s)

Command Mode

- /exec/configure/callhome

transport http proxy server

```
{ transport http proxy server { <hostname> } [ port <i1> ] } | { no transport http proxy server }
```

Syntax Description

no	Negate a command or set its defaults
transport	Configure transport related configuration
http	Configure transport option for http urls
proxy	Configure proxy for http transport
server	Configure proxy server address and port
<i>hostname</i>	Proxy server name or IP address(DNS name or IPv4 or IPv6 address)
port	(Optional) Configure Proxy server port (default:8080)
<i>i1</i>	(Optional) Proxy server port

Command Mode

- /exec/configure/callhome

transport http use-vrf

transport http use-vrf <s2> | no transport http use-vrf

Syntax Description

no	Negate a command or set its defaults
transport	Configure transport related configuration
http	Configure transport option for http urls
use-vrf	Configure vrf name
s2	vrf name

Command Mode

- /exec/configure/callhome

transport udp

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

Syntax Description

transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

Command Mode

- /exec/configure/nfm-exporter

transport udp

[no] transport udp { src-port <srcport> dst-port <dstport> | dst-port <dstport> src-port <srcport> | src-port <srcport> | dst-port <dstport> }

Syntax Description

transport	Transport configurations
udp	UDP Port
src-port	Src UDP port
<i>srcport</i>	UDP port to be configured, default 49153
dst-port	Dest UDP port
<i>dstport</i>	UDP port to be configured for destination, default 49153

Command Mode

- /exec/configure/config-ssx-exporter

transport udp source-port

```
{ [ no ] transport udp source-port <intf> }
```

Syntax Description

transport	Transport protocol config
udp	UDP Port
source-port	source-port
<i>intf</i>	UDP port to be configured

Command Mode

- /exec/configure/config-fte-exporter

trigger forwarding distribution module

trigger forwarding distribution module <module>

Syntax Description

trigger	Trigger
forwarding	Trigger related to forwarding
distribution	Trigger distribution of forwarding data to LCs
module	distribute to a particular module
<i>module</i>	module number

Command Mode

- /exec

trigger init

```
trigger init [ asic <asic-no> ] [ slice <slice-no> ] [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger reset

trigger reset

Syntax Description

trigger	Define A Trigger
reset	Reset triggers

Command Mode

- /exec/elamns

trigger route download vrf ipv4

```
trigger route download vrf <vrf-name> { ipv4 <route4> | ipv6 <route6> } [ module <slot-num> ]
```

Syntax Description

trigger	Trigger
route	IP route related
download	Download
vrf	vrf
<i>vrf-name</i>	vrf name
ipv4	ipv4
<i>route4</i>	ipv4 prefix
ipv6	ipv6
module	(Optional) Module
<i>slot-num</i>	(Optional) Slot number of the module

Command Mode

- /exec

trunk protocol

[no] trunk protocol [enable]

Syntax Description

no	(Optional) Negate a command or set its defaults
trunk	Configure Switch wide trunk protocol
protocol	enable trunk protocol
enable	(Optional) enable trunk protocol

Command Mode

- /exec/configure

trusted-port

[no] trusted-port

Syntax Description

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

Command Mode

- /exec/configure/config-snoop-policy

trusted-port

[no] trusted-port

Syntax Description

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

Command Mode

- /exec/configure/config-dhcp-guard

trusted-port

[no] trusted-port

Syntax Description

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

Command Mode

- /exec/configure/config-ra-guard

ttag-marker-interval

[no] ttag-marker-interval <seconds>

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-marker-interval	Marker packet interval
<i>seconds</i>	Interval in seconds

Command Mode

- /exec/configure

ttag-marker-interval

[no] ttag-marker-interval <seconds>

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-marker-interval	Marker packet interval
<i>seconds</i>	Interval in seconds

Command Mode

- /exec/configure

ttag-marker enable

[no] ttag-marker enable

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-marker	Enable/Disable marker packet on interface
enable	Enable/Disable marker packet on interface

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-eth-l2-non-member
/exec/configure/if-eth-port-channel /exec/configure/if-ethernet-all

ttag-marker enable

[no] ttag-marker enable

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-marker	Enable/Disable marker packet on interface
enable	Enable/Disable marker packet on interface

Command Mode

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

ttag-strip

[no] ttag-strip

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-strip	strip ttag from egress packet on this interface

Command Mode

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

ttag

[no] ttag

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag	enable ingress packet with ttag on this interface

Command Mode

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

ttag

[no] ttag

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag	hardware ttag timestamp

Command Mode

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

ttl-security hops

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

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
ttl-security	Enable TTL Security Mechanism
hops	Specify hop count for remote peer
<i>ebgp-ttl</i>	EBGP hop count value

Command Mode

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

tunnel destination

tunnel destination { { <ip-addr> | <ip-prefix> | { <ip-addr> <ip-mask> } } | <ipv6-addr> } | no tunnel destination
 [<ip-addr> | <ip-prefix> | { <ip-addr> <ip-mask> } | <ipv6-addr>]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
destination	destination of tunnel packets
<i>ip-addr</i>	IPv4 address (A.B.C.D)
<i>ip-prefix</i>	IPv4 mask (A.B.C.D/LEN)
<i>ip-mask</i>	IPv4 mask A.B.C.D

Command Mode

- /exec/configure/if-gre-tunnel

tunnel mode

tunnel mode { { gre [ip | ipv6] } | { ipip [ip | ipv6] } | { ipip decapsulate-any [ip | ipv6] } | { ipv6ip [decapsulate-any] } | { ipv6ipv6 [decapsulate-any] } } | no tunnel mode

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
mode	tunnel encapsulation method
gre	generic route encapsulation protocol
ipip	IP in IP protocol
decapsulate-any	decapsulate any
ip	(Optional) over IP
ipv6	(Optional) over IPv6
ipv6ip	IPv6 in IPv4 protocol
ipv6ipv6	IPv6 in IPv6 protocol

Command Mode

- /exec/configure/if-any-tunnel

tunnel path-mtu-discovery

[no] tunnel path-mtu-discovery

Syntax Description

no	(Optional) Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
path-mtu-discovery	Enable Path MTU Discovery on tunnel

Command Mode

- /exec/configure/if-any-tunnel

tunnel path-mtu-discovery age-timer

tunnel path-mtu-discovery age-timer { <age-time> | infinite } | no tunnel path-mtu-discovery age-timer [{ <age-time> | infinite }]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
path-mtu-discovery	Enable Path MTU Discovery on tunnel
age-timer	Set PMTUD aging timer
<i>age-time</i>	Aging time
infinite	Disable pathmtu aging timer

Command Mode

- /exec/configure/if-any-tunnel

tunnel path-mtu-discovery min-mtu

tunnel path-mtu-discovery min-mtu <mtu> | no tunnel path-mtu-discovery min-mtu [<mtu>]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
path-mtu-discovery	Enable Path MTU Discovery on tunnel
min-mtu	Min pmtud mtu allowed
<i>mtu</i>	Bytes

Command Mode

- /exec/configure/if-any-tunnel

tunnel source

tunnel source { <intf> | <ip-prefix> | { <ip-addr> [<ip-mask>] } | <ipv6-addr> | direct } | no tunnel source [<intf> | <ip-prefix> | { <ip-addr> [<ip-mask>] } | <ipv6-addr> | direct]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
source	source of tunnel packets
<i>intf</i>	interface
<i>ip-addr</i>	IPv4 address (A.B.C.D)
<i>ip-prefix</i>	IPv4 address (A.B.C.D/LEN)
<i>ip-mask</i>	(Optional) IPv4 mask A.B.C.D
direct	all directly connected IP

Command Mode

- /exec/configure/if-gre-tunnel

tunnel ttl

tunnel ttl <ttl_val> | no tunnel ttl [<ttl_val>]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
ttl	set time to live
<i>ttl_val</i>	time to live value

Command Mode

- /exec/configure/if-any-tunnel

tunnel use-vrf

```
tunnel use-vrf { <vrf-name> | <vrf-known-name> } | no tunnel use-vrf [ { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
use-vrf	set tunnel vrf membership
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/if-any-tunnel

