



## R Commands

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# radius-server deadtime

[no] radius-server deadtime <i0>

## Syntax Description

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

## Command Mode

- /exec/configure

# radius-server directed-request

[no] radius-server directed-request

## Syntax Description

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

## Command Mode

- /exec/configure

## radius-server host key 0 6 7

```
{ { [ no ] radius-server host <hostipname> { { key { 0 <s0> | 6 <s6> | 7 <s1> | <s2> } [ pac ] { [ auth-port <i0> ] [ acct-port <i1> ] } } | { [ auth-port1 <i2> ] [ acct-port1 <i3> ] } } { [ authentication [ accounting [ timeout <i4> ] [ retransmit <i5> ] ] ] | { [ accounting1 [ timeout1 <i6> ] [ retransmit1 <i7> ] ] } } | no radius-server host <hostipname> key } }
```

### Syntax Description

<i>key</i>	0
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
host	RADIUS server's DNS name or its IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
key	RADIUS shared secret
pac	(Optional) Secure Radius Enable
0	RADIUS shared secret(clear text)
<i>s0</i>	RADIUS shared secret(clear text)
accounting	(Optional) Use for accounting
retransmit	(Optional) RADIUS server retransmit count
<i>i5</i>	(Optional) RADIUS server retransmit count
timeout	(Optional) RADIUS server timeout period in seconds
<i>i4</i>	(Optional) RADIUS server timeout period in seconds
retransmit1	(Optional) RADIUS server retransmit count
<i>i7</i>	(Optional) RADIUS server retransmit count
auth-port	(Optional) RADIUS server's port for authentication
<i>i0</i>	(Optional) port number
timeout1	(Optional) RADIUS server timeout period in seconds
<i>i6</i>	(Optional) RADIUS server timeout period in seconds
acct-port	(Optional) RADIUS server's port for accounting
<i>i1</i>	(Optional) port number
accounting1	(Optional) Use for accounting



authentication	(Optional) Use for authentication
6	Radius shared secret(type-6 encrypted)
<i>s6</i>	Tadius shared secret(encrypted)
7	RADIUS shared secret(encrypted)
<i>s1</i>	RADIUS shared secret(encrypted)
auth-port1	(Optional) RADIUS server's port for authentication
<i>i2</i>	(Optional) port number
<i>s2</i>	RADIUS shared secret(clear text)
acct-port1	(Optional) RADIUS server's port for accounting
<i>i3</i>	(Optional) port number

**Command Mode**

- /exec/configure

## radius-server host test

```
[no] radius-server host { <hostipname> } test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [
idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time
<i1> } } }
```

### Syntax Description

<i>username</i>	<s0>
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
host	RADIUS server's DNS name or its IP address
<i>hostipname</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
0	(Optional) RADIUS shared secret(clear text)
<i>s2</i>	(Optional) RADIUS shared secret(clear text)
7	(Optional) RADIUS shared secret(encrypted)
<i>s7</i>	(Optional) RADIUS shared secret(encrypted)
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

### Command Mode

- /exec/configure

## radius-server host tls idle

```
[no] radius-server host { <hostipname> } tls { { idle-timeout <i8> [ client-trustpoint <t0> ] } | { client-trustpoint <t0> [ idle-timeout <i8> ] } }
```

### Syntax Description

<i>client-trustpoint</i>	(Optional) <t0>
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
host	RADIUS server's DNS name or its IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
tls	TLS secure connection parameters
idle-timeout	Idle timeout for the TLS session
<i>i8</i>	Time period in seconds
client-trustpoint	Switch credentials to use for TLS handshake with server
<i>t0</i>	(Optional) trustpoint label

### Command Mode

- /exec/configure

# radius-server key 0 6 7

```
{ { [ no ] radius-server key { 0 <s0> | 6 <s6> | 7 <s1> | <s2> } } | { no radius-server key } }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
key	Global RADIUS server shared secret
0	default RADIUS shared secret(clear text)
<i>s0</i>	default RADIUS shared secret(clear text)
6	default RADIUS shared secret(type-6 encrypted)
<i>s6</i>	default RADIUS shared secret(type-6 encrypted)
7	default RADIUS shared secret(encrypted)
<i>s1</i>	default RADIUS shared secret(encrypted)
<i>s2</i>	default RADIUS shared secret(clear text)

## Command Mode

- /exec/configure

## radius-server retransmit

[no] radius-server retransmit <i0>

### Syntax Description

no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
retransmit	Global RADIUS server retransmit count
<i>i0</i>	Global RADIUS server retransmit count

### Command Mode

- /exec/configure

# radius-server secure tls

[no] radius-server secure | [ no ] radius-server secure tls

## Syntax Description

no	Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
secure	Secure connection mode to RADIUS servers
tls	TLS mode

## Command Mode

- /exec/configure

## radius-server test

```
[no] radius-server test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time <i1> } }
```

### Syntax Description

<i>username</i>	<s0>
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS 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
0	(Optional) RADIUS shared secret(clear text)
<i>s2</i>	(Optional) RADIUS shared secret(clear text)
7	(Optional) RADIUS shared secret(encrypted)
<i>s7</i>	(Optional) RADIUS shared secret(encrypted)
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

### Command Mode

- /exec/configure

# radius-server timeout

[no] radius-server timeout <i0>

## Syntax Description

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

## Command Mode

- /exec/configure



# random-detect

```
[no] random-detect [ { minimum-threshold <min-thresh> { packets | bytes | kbytes | mbytes }
maximum-threshold <max-thresh> { packets1 | bytes1 | kbytes1 | mbytes1 } drop-probability <drop-prob>
weight <weight> [ cap-average ] } | threshold { burst-optimized | mesh-optimized } ] [ ecn ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect	Configure WRED parameters
threshold	(Optional) Threshold
burst-optimized	(Optional) Threshold optimized for bursty traffic
mesh-optimized	(Optional) Threshold optimized for mesh traffic
minimum-threshold	(Optional) Specify minimum threshold for WRED
maximum-threshold	(Optional) Specify maximum threshold for WRED
<i>max-thresh</i>	(Optional) Maximum threshold value
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes
drop-probability	(Optional) Drop Probability at Maximum Threshold
<i>drop-prob</i>	(Optional) Drop Probability Value
weight	(Optional) Queue length weight
<i>weight</i>	(Optional) Queue length weight
cap-average	(Optional) If average queue length is more, replace average queue length with current queue length
ecn	(Optional) ECN

## Command Mode

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

## random-detect2 minimum-threshold2 maximum-threshold2

```
[no] random-detect2 minimum-threshold2 <min-thresh2> { packets2 | bytes2 | kbytes2 | mbytes2 }
maximum-threshold2 <max-thresh2> { packets3 | bytes3 | kbytes3 | mbytes3 } [ drop-probability2 <drop-prob2>
weight2 <weight2> [ cap-average2 ] ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect2	Configure WRED parameters
minimum-threshold2	Specify minimum threshold for WRED
maximum-threshold2	Specify maximum threshold for WRED
packets2	Packets
bytes2	Bytes
kbytes2	Kilo Bytes
mbytes2	Mega Bytes
packets3	Packets
bytes3	Bytes
kbytes3	Kilo Bytes
mbytes3	Mega Bytes
drop-probability2	(Optional) Drop Probability at Maximum Threshold
<i>drop-prob2</i>	(Optional) Drop Probability Value
weight2	(Optional) Queue length weight
<i>weight2</i>	(Optional) Queue length weight
cap-average2	(Optional) If average queue length is more, replace average queue length with current queue length

### Command Mode

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

## random-detect2 non-ecn minimum-threshold2 maximum-threshold2 drop

```
[no] random-detect2 non-ecn minimum-threshold2 <min-thresh2> { packets2 | bytes2 | kbytes2 | mbytes2 }
maximum-threshold2 <max-thresh2> { packets3 | bytes3 | kbytes3 | mbytes3 } { drop-probability2 <drop-prob2>
}
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect2	Configure WRED parameters
non-ecn	Configure WRED parameters for non-ecn
minimum-threshold2	Specify minimum threshold for WRED
maximum-threshold2	Specify maximum threshold for WRED
packets2	Packets
bytes2	Bytes
kbytes2	Kilo Bytes
mbytes2	Mega Bytes
packets3	Packets
bytes3	Bytes
kbytes3	Kilo Bytes
mbytes3	Mega Bytes
drop-probability2	Drop Probability at Maximum Threshold
<i>drop-prob2</i>	Drop Probability Value

### Command Mode

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

## random-detect

```
[no] random-detect { cos <cos-list> [ minimum-threshold ] { <min-thresh> [ packets | bytes | kbytes | mbytes
| ms | us ] | percent <min-percent-of-qsize> } [ maximum-threshold ] { <max-thresh> [ packets1 | bytes1 |
kbytes1 | mbytes1 | ms1 | us1 ] | percent1 <max-percent-of-qsize> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect	Configure WRED parameters
cos	Parameters for each cos value
<i>cos-list</i>	List of class-of-service values
minimum-threshold	(Optional) Specify minimum threshold for WRED
maximum-threshold	(Optional) Specify maximum threshold for WRED
<i>max-thresh</i>	Maximum threshold value
percent	Specify thresholds in percent
percent1	Specify thresholds in percent
<i>min-percent-of-qsize</i>	Minimum threshold percent of queue size
<i>max-percent-of-qsize</i>	Maximum threshold percent of queue size
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes
ms1	(Optional) Milli second(s)
us1	(Optional) Micro second(s)

### Command Mode

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

## random-detect cos-based

[no] random-detect cos-based [ aggregate [ minimum-threshold ] { <min-thresh> [ packets | bytes | kbytes | mbytes | ms | us ] | percent <min-percent-of-qsize> } [ maximum-threshold ] { <max-thresh> [ packets1 | bytes1 | kbytes1 | mbytes1 | ms1 | us1 ] | percent1 <max-percent-of-qsize> } ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect	Configure WRED parameters
cos-based	Configure WRED parameters for cos-based mode
aggregate	(Optional) Configure WRED parameters to same value for all sub-classes
minimum-threshold	(Optional) Specify minimum threshold for WRED
maximum-threshold	(Optional) Specify maximum threshold for WRED
<i>max-thresh</i>	(Optional) Maximum threshold value
percent	(Optional) Specify thresholds in percent
percent1	(Optional) Specify thresholds in percent
<i>min-percent-of-qsize</i>	(Optional) Minimum threshold percent of queue size
<i>max-percent-of-qsize</i>	(Optional) Maximum threshold percent of queue size
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes
ms1	(Optional) Milli second(s)
us1	(Optional) Micro second(s)

### Command Mode

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



# rate-limit

rate-limit { auto | <rate\_value> } | no rate-limit

## Syntax Description

no	Negate a command or set its defaults
rate-limit	Set the Rate limit for SPAN packets
auto	Set the Rate limit using auto value
<i>rate_value</i>	Enter the percentage of the maximum rate for SPAN packets

## Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor  
/exec/configure/config-monitor-erspan-src

## rate-limit cpu direction input output both pps action log

```
{ rate-limit cpu direction { input | output | both } pps <pps-val> action log } | { no rate-limit cpu direction [
{ input | output | both } pps <pps-val> action log ] }
```

### Syntax Description

no	Negate a command or set its defaults
rate-limit	set packet per second rate limit
cpu	Supervisor CPU limits
direction	input/output direction
input	set max input packet rate
output	set max output packet rate
both	set max input and output packet rate
pps	packet per second
<i>pps-val</i>	pps value
action	log action
log	write a syslog message if PPS hits rate-limit

### Command Mode

- /exec/configure/if-eth-base /exec/configure/if-eth-any /exec/configure/if-mgmt-config

## rate-limit cpu direction input output both pps action log

```
{ rate-limit cpu direction { input | output | both } pps <pps-val> action log } | { no rate-limit cpu direction [
{ input | output | both } pps <pps-val> action log ] }
```

### Syntax Description

no	Negate a command or set its defaults
rate-limit	set packet per second rate limit
cpu	Supervisor CPU limits
direction	input/output direction
input	set max input packet rate
output	set max output packet rate
both	set max input and output packet rate
pps	packet per second
<i>pps-val</i>	pps value
action	log action
log	write a syslog message if PPS hits rate-limit

### Command Mode

- /exec/configure

## rate-limit packet\_in burst

rate-limit packet\_in <packetin-val> burst <burst-val> | no rate-limit

### Syntax Description

no	Negate a command or set its defaults
rate-limit	OpenFlow rate limit to controller
packet_in	packet in rate (pps)
<i>packetin-val</i>	packets per second
burst	Maximum number of packets to controller (pps)
<i>burst-val</i>	packets per second

### Command Mode

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

# rate-limit packet\_in burst

rate-limit packet\_in <packetin-val> burst <burst-val> | no rate-limit

## Syntax Description

no	Negate a command or set its defaults
rate-limit	OpenFlow rate limit to controller
packet_in	packet in rate (pps)
<i>packetin-val</i>	packets per second
burst	Maximum number of packets to controller (pps)
<i>burst-val</i>	packets per second

## Command Mode

- /exec/configure/openflow/switch

## rd

```
{ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } } | { no rd [ { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] }
```

**Syntax Description**

no	Negate a command or set its defaults
rd	VPN Route Distinguisher
<i>ext-comm-rd-aa4nn2</i>	VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	VPN route distinguisher in aa:nn format

**Command Mode**

- /exec/configure/evpn/evi-sr

# rd auto

```
{ rd { auto | <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } } | { no rd [ { auto | <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] }
```

## Syntax Description

no	Negate a command or set its defaults
rd	VPN Route Distinguisher
auto	Generate RD automatically
<i>ext-comm-rd-aa4nn2</i>	VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	VPN route distinguisher in aa:nn format

## Command Mode

- /exec/configure/vrf

# rd auto

```
{ rd { auto | <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } } | { no rd [ { auto | <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] }
```

## Syntax Description

no	Negate a command or set its defaults
rd	VPN Route Distinguisher
auto	Generate RD automatically
<i>ext-comm-rd-aa4nn2</i>	VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	VPN route distinguisher in aa:nn format

## Command Mode

- /exec/configure/evpn/evi



# rd dual

[no] rd dual [ id <value> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
rd	Secondary Route Distinguisher for vxlan multisite border gateway
dual	Generate Secondary RD for all VRFs and L2VNIs (Default is SITE-ID:VNI)
id	(Optional) Generate Secondary RD with ID:VNI format
<i>value</i>	(Optional) Specify 2 byte value for ID

## Command Mode

- /exec/configure/router-bgp

# read-only

[no] read-only

## Syntax Description

no	(Optional) Negate a command or set its defaults
read-only	Make the zone read-only

## Command Mode

- /exec/configure/attribute-group

# read-only

[no] read-only

## Syntax Description

no	(Optional) Negate a command or set its defaults
read-only	Make default-zone read-only

## Command Mode

- /exec/configure/default-zone/attribute-group

# receiver

[no] receiver

## Syntax Description

no	(Optional) Negate a command or set its defaults
receiver	Policies for a Local Receiver

## Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy

# receiver

[no] receiver

## Syntax Description

no	(Optional) Negate a command or set its defaults
receiver	Policies for a Local Receiver

## Command Mode

- /exec/configure/nbm-host-policy

# reconnect-interval

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

## Syntax Description

no	Negate a command or set its defaults
reconnect-interval	Configure connection reconnect interval
<i>interval</i>	Interval in seconds

## Command Mode

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

# record

[no] record <recordname>

## Syntax Description

record	Add a record
<i>recordname</i>	Name of record

## Command Mode

- /exec/configure/config-int-clone-md-source-monitor

# record

[no] record <recordname>

## Syntax Description

record	Specify INT Record to use
<i>recordname</i>	Name of record

## Command Mode

- /exec/configure/config-int-monitor



# record

[no] record <recordname>

## Syntax Description

record	Specify FTE Record to use
<i>recordname</i>	Name of record

## Command Mode

- /exec/configure/config-fte-monitor

# record

[no] record <recordname>

## Syntax Description

record	Specify Flow Record to use
<i>recordname</i>	Name of record

## Command Mode

- /exec/configure/nfm-monitor

# record

[no] record <recordname>

## Syntax Description

record	Specify Flow Record to use
<i>recordname</i>	Name of record

## Command Mode

- /exec/configure/analytics/monitor

# record

[no] record <recordname>

## Syntax Description

record	Add a record
<i>recordname</i>	Name of record

## Command Mode

- /exec/configure/config-buffer-latency-monitor

# record

[no] record <recordname>

## Syntax Description

record	Record to be monitored
<i>recordname</i>	Record name to be configured

## Command Mode

- /exec/configure/config-ssx-monitor

# record

[no] record <recordname>

## Syntax Description

record	Specify Flow Record to use
<i>recordname</i>	Name of record

## Command Mode

- /exec/configure/nfm-monitor

# record

[no] record <recordname>

## Syntax Description

record	Add a record
<i>recordname</i>	Name of record

## Command Mode

- /exec/configure/config-int-clone-md-sink-monitor

# record netflow-original

[no] record netflow-original

## Syntax Description

record	Specify Flow Record to use
netflow-original	Traditional IPv4 input NetFlow with origin ASs

## Command Mode

- /exec/configure/nfm-monitor



# record netflow

[no] record netflow { ipv6 { original-input } }

## Syntax Description

record	Specify Flow Record to use
netflow	Traditional NetFlow collection schemes
ipv6	IPv6 collection schemes
original-input	Input NetFlow

## Command Mode

- /exec/configure/nfm-monitor

# record netflow

```
[no] record netflow { ipv4 { original-input } }
```

## Syntax Description

record	Specify Flow Record to use
netflow	Traditional NetFlow collection schemes
ipv4	Traditional IPv4 NetFlow collection schemes
original-input	Traditional IPv4 input NetFlow

## Command Mode

- /exec/configure/nfm-monitor

# record netflow

[no] record netflow { layer2-switched { input } }

## Syntax Description

record	Specify Flow Record to use
netflow	Traditional NetFlow collection schemes
layer2-switched	Traditional L2 NetFlow collection schemes
input	Input NetFlow

## Command Mode

- /exec/configure/nfm-monitor

# record netflow protocol-port

[no] record netflow protocol-port

## Syntax Description

record	Specify Flow Record to use
netflow	Traditional NetFlow collection schemes
protocol-port	Protocol and Ports aggregation scheme

## Command Mode

- /exec/configure/nfm-monitor

## redistribute filter route-map

[no] redistribute filter route-map { <map-name> | <rtr\_pol\_name> }

### Syntax Description

no	(Optional) Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
filter	Filter redistributed routes
route-map	Route-map to constrain redistribution
<i>map-name</i>	A 'routing-rules' route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy

### Command Mode

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

# redistribute filter route-map

[no] redistribute filter route-map { <map-name> | <rtr\_pol\_name> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
filter	Filter redistributed routes
route-map	Route-map to constrain redistribution
<i>map-name</i>	A 'routing-rules' route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy

## Command Mode

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

# redistribute maximum-prefix

```
redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout>
] ] | no redistribute maximum-prefix [ <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries>
<timeout> ] ] ]
```

## Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Max number of prefixes redistributed
<i>maximum</i>	max number
<i>threshold</i>	(Optional) Threshold in %, at which message is generated
warning-only	(Optional) Warning msg is logged when max is reached
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) No of times to retry to get redist routes again
<i>timeout</i>	(Optional) Time between the retries

## Command Mode

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

# redistribute maximum-prefix

```
redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] | no redistribute maximum-prefix [ <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] ]
```

## Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Max number of prefixes redistributed
<i>maximum</i>	max number
<i>threshold</i>	(Optional) Threshold in %, at which message is generated
warning-only	(Optional) Warning msg is logged when max is reached
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) No of times to retry to get redist routes again
<i>timeout</i>	(Optional) Time between the retries

## Command Mode

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



## redistribute maximum-prefix

```
{ redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] } | { no redistribute maximum-prefix }
```

### Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Maximum number of prefixes redistributed to protocol
<i>maximum</i>	Maximum number of IP prefixes redistributed
<i>threshold</i>	(Optional) Threshold value (%) at which to generate a warning message
warning-only	(Optional) Log a warning message when limit is exceeded
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) Number of times to retry to get the redistributed routes again
<i>timeout</i>	(Optional) Timeout between each retries

### Command Mode

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

## redistribute maximum-prefix

```
redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] | no redistribute maximum-prefix [ <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] ]
```

### Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Max number of prefixes redistributed
<i>maximum</i>	max number
<i>threshold</i>	(Optional) Threshold in %, at which message is generated
warning-only	(Optional) Warning msg is logged when threshold is reached
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) Number of attempts to receive redistributed routes after max is reached
<i>timeout</i>	(Optional) Retry interval

### Command Mode

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

# redistribute maximum-prefix

```
{ redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout>
]] } | { no redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries>
<timeout> ] ] }
```

## Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Maximum number of prefixes redistributed to protocol
<i>maximum</i>	Maximum number of IP prefixes redistributed
<i>threshold</i>	(Optional) Threshold value (%) at which to generate a warning message
warning-only	(Optional) Log a warning message when limit is exceeded
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) Number of times to retry to get the redistributed routes again
<i>timeout</i>	(Optional) Timeout between each retries

## Command Mode

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

# redistribute route-map

```
[no] redistribute { static | direct | amt | lisp | am | hmm | { { eigrp | isis | ospfv3 | rip } <tag> } } route-map
<rmap-name>
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
redistribute	Configure redistribution
static	Static routes
direct	Directly connected
isis	ISO IS-IS
ospfv3	Open Shortest Path First, version 3 (OSPFv3)
rip	Routing Information Protocol (RIP)
eigrp	Enhanced Interior Gateway Protocol
amt	AMT anycast prefix
lisp	LISP EID-prefixes in the non-default VRF
hmm	HMM prefix
am	AM routes (learned via ARP)
route-map	Route-map applied to redistributed routes
<i>rmap-name</i>	Route-map name
<i>tag</i>	Source protocol tag

## Command Mode

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

# redundancy-group

[no] redundancy-group

## Syntax Description

no	(Optional) Negate a command or set its defaults
redundancy-group	Configure a redundancy-group node

## Command Mode

- /exec/configure/if-nve

# reference-bandwidth

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

## Syntax Description

no	(Optional) Negate a command or set its defaults
reference-bandwidth	Change reference bandwidth used for setting interface metric
<i>ref-bw-mbps</i>	Bandwidth in Mbps (Default)
Mbps	(Optional) Specify in Mbps
<i>ref-bw-gbps</i>	Bandwidth in Gbps
Gbps	Specify in Gbps

## Command Mode

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

# reference-bandwidth

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

## Syntax Description

no	(Optional) Negate a command or set its defaults
reference-bandwidth	Change reference bandwidth used for setting interface metric
<i>ref-bw-mbps</i>	Bandwidth in Mbps (Default)
Mbps	(Optional) Specify in Mbps
<i>ref-bw-gbps</i>	Bandwidth in Gbps
Gbps	Specify in Gbps

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common /exec/configure/l2mp-isis/l2mp-isis-l2-topo

# region

```
{ region <i0> | no region [ <i0> ] }
```

## Syntax Description

no	Negate a command or set its defaults
region	Configure the autonomous region for FSPF
<i>i0</i>	region ID

## Command Mode

- /exec/configure/(fspf-config)



# register-database-mapping

{ [ no ] register-database-mapping }

## Syntax Description

no	(Optional) Negate a command or set its defaults
register-database-mapping	Register database-mapping EID-prefix to Map-Server

## Command Mode

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

# register-route-notifications

{ [ no ] register-route-notifications }

## Syntax Description

no	(Optional) Negate a command or set its defaults
register-route-notifications	Register more-specific routes of the database-mapping EID-prefix to Map-Server

## Command Mode

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

# reload

reload [ e2fsck ]

## Syntax Description

e2fsck	(Optional) Set the e2fsck -y flag during reboot
reload	reboot the entire box

## Command Mode

- /exec

# reload cancel

reload cancel

## Syntax Description

reload	reboot the entire box
cancel	Cancel scheduling of the reload

## Command Mode

- /exec

# reload in

reload in <secs>

## Syntax Description

reload	reboot the entire box
in	Schedule a reload after some time
<i>secs</i>	Reload after n seconds

## Command Mode

- /exec

# reload module

reload module <lem-aware-module>

## Syntax Description

reload	reboot the entire box
module	reboot a specific module
<i>lem-aware-module</i>	please enter the module number

## Command Mode

- /exec

# reload module force-dnld

reload module <module> force-dnld

## Syntax Description

reload	reboot the entire box
module	reboot a specific module
<i>module</i>	please enter the module number
force-dnld	reboot a specific module to force NetBoot and image download

## Command Mode

- /exec

# reload non-interruptive

reload non-interruptive

## Syntax Description

reload	reboot the entire box
non-interruptive	Reboot without interruption

## Command Mode

- /exec



# reload power-cycle

reload power-cycle

## Syntax Description

reload	reboot the entire box
power-cycle	Power cycle ADM

## Command Mode

- /exec

# reload sync-adjacency

reload sync-adjacency

## Syntax Description

reload	reboot the entire box
sync-adjacency	Reload with sync adjacency

## Command Mode

- /exec

# reload timer

reload timer <secs>

## Syntax Description

reload	reboot the entire box
timer	reboot after a delay <5-3600> seconds
<i>secs</i>	delay in seconds

## Command Mode

- /exec

# reload vdc

reload vdc

## Syntax Description

vdc	Restart the current vdc
reload	Power cycle

## Command Mode

- /exec

# reload vdc

reload vdc <d-vdc>

## Syntax Description

vdc	Restart the current vdc
reload	Power cycle
<i>d-vdc</i>	Enter Virtual Device Context <vdc-id>

## Command Mode

- /exec

# remark

```
{ [ <seqno> ] | no } remark <comment>
```

## Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>seqno</code>	(Optional) Sequence number
<code>remark</code>	Access list entry comment
<code>comment</code>	Comment, up to 100 characters

## Command Mode

- /exec/configure/macacl

# remark

{ [ <seqno> ] | no } remark <comment>

## Syntax Description

no	Negate a command or set its defaults
<i>seqno</i>	(Optional) Sequence number
remark	Time range entry comment
<i>comment</i>	Comment, up to 100 characters

## Command Mode

- /exec/configure/arpacl /exec/configure/timerange

# remark

```
{ [ <seqno> ] | no } remark <comment>
```

## Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>seqno</code>	(Optional) Sequence number
<code>remark</code>	Access list entry comment
<code>comment</code>	Comment, up to 100 characters

## Command Mode

- `/exec/configure/ipacl /exec/configure/ipv6acl`



# remote-span

[no] remote-span

## Syntax Description

no	(Optional) Negate a command or set its defaults
remote-span	Enable remote span VLAN

## Command Mode

- /exec/configure/vlan

# remove-private-as

[ no | default ] remove-private-as [ all | replace-as ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
remove-private-as	Remove private AS number from outbound updates
all	(Optional) All
replace-as	(Optional) Replace

## Command Mode

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

# replay-protection

[no] replay-protection

## Syntax Description

replay-protection	Enable replay-protection (the default use the no form to disable)
-------------------	---

## Command Mode

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

# report

report

## Syntax Description

report	Show trigger report
--------	---------------------

## Command Mode

- /exec/elamns/se15

# report

report

## Syntax Description

report	Show trigger report
--------	---------------------

## Command Mode

- /exec/elamns/sel3

# report

report

## Syntax Description

report	Show trigger report
--------	---------------------

## Command Mode

- /exec/elamns/se14

# report

report

## Syntax Description

report	Show trigger report
--------	---------------------

## Command Mode

- /exec/elamns/sel6

# report

report

## Syntax Description

report	Show trigger report
--------	---------------------

## Command Mode

- /exec/elamns/sel7



# report

report

## Syntax Description

report	Show trigger report
--------	---------------------

## Command Mode

- /exec/elamns/outsel0

# report

report

## Syntax Description

report	Show trigger report
--------	---------------------

## Command Mode

- /exec/elamns/outsel5

# request-data-size

{ { no | default } request-data-size | request-data-size <bytes-in-payload> }

## Syntax Description

no	
default	Set a command to its defaults
request-data-size	Request data size
<i>bytes-in-payload</i>	Number of bytes in payload

## Command Mode

- /exec/configure/ip-sla/udp

# request-data-size

{ { no | default } request-data-size | request-data-size <bytes-in-payload> }

## Syntax Description

no	
default	Set a command to its defaults
request-data-size	Request data size
<i>bytes-in-payload</i>	Number of bytes in payload

## Command Mode

- /exec/configure/ip-sla/icmpEcho

# request-data-size

{ { no | default } request-data-size | request-data-size <bytes-in-payload> }

## Syntax Description

no	
default	Set a command to its defaults
request-data-size	Request data size
<i>bytes-in-payload</i>	Number of bytes in payload

## Command Mode

- /exec/configure/ip-sla/jitter

## resequence access

```
resequence { { <ip_ipv6_mac_arp> access-list } | time-range } <name> <number> <increment>
```

### Syntax Description

resequence	Resequence a list with sequence numbers
<i>ip_ipv6_mac_arp</i>	IP/IPv6/MAC/ARP
access-list	Resequence an access list
time-range	Resequence a time-range
<i>name</i>	List name
<i>number</i>	Starting sequence number
<i>increment</i>	Step to increment the sequence number

### Command Mode

- /exec/configure

# reset

reset

## Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

## Command Mode

- /exec/elamns/sel6

# reset

reset

## Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

## Command Mode

- /exec/elamns/se13



# reset

reset

## Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

## Command Mode

- /exec/elamns/sel4

# reset

reset

## Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

## Command Mode

- /exec/elamns/se15

# reset

reset

## Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

## Command Mode

- /exec/elamns/sel7

# reset

reset

## Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

## Command Mode

- /exec/elanms/outsel0

# reset

reset

## Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

## Command Mode

- /exec/elamns/outsel5

# restart amt

restart amt

## Syntax Description

restart	Manually restart a component
amt	Restart the AMT multicast routing protocol

## Command Mode

- /exec

# restart bgp

restart bgp { <as> | auto }

## Syntax Description

restart	Manually restart a component
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous
auto	Generate Autonomous System Number automatically

## Command Mode

- /exec

# restart eigrp

restart eigrp <eigrp-ptag>

## Syntax Description

restart	Manually restart a component
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>eigrp-ptag</i>	Process tag

## Command Mode

- /exec



# restart fabric\_mcast

```
restart { fabric_mcast | ngmvpn }
```

## Syntax Description

restart	Manually restart a component
fabric_mcast	Restart NGMVPN
ngmvpn	Restart NGMVPN

## Command Mode

- /exec

# restart fabricpath domain

restart fabricpath domain

## Syntax Description

restart	Manually restart a component
fabricpath	Data Center Intermediate System to Intermediate System (L2MP-IS-IS)
domain	Fabricpath IS-IS domain

## Command Mode

- /exec

# restart igmp

restart igmp

## Syntax Description

restart	Manually restart a component
igmp	Restart the IGMP multicast routing protocol

## Command Mode

- /exec

# restart isis

restart isis <tag>

## Syntax Description

restart	Manually restart a component
isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Routing process tag

## Command Mode

- /exec

# restart mld

restart mld

## Syntax Description

restart	Manually restart a component
mld	Restart the MLD routing protocol

## Command Mode

- /exec

# restart msdp

restart msdp

## Syntax Description

restart	Manually restart a component
msdp	Restart the MSDP multicast routing protocol

## Command Mode

- /exec

# restart ospf

restart ospf <tag>

## Syntax Description

restart	Manually restart a component
ospf	Open Shortest Path First (OSPF)
<i>tag</i>	Process tag

## Command Mode

- /exec

# restart ospfv3

restart ospfv3 <tag>

## Syntax Description

restart	Manually restart a component
ospfv3	Open Shortest Path First (OSPF) (Version 3)
<i>tag</i>	Process tag

## Command Mode

- /exec



# restart otv-isis

restart otv-isis <tag>

## Syntax Description

restart	Manually restart a component
otv-isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Routing process tag

## Command Mode

- /exec

# restart pim

restart pim

## Syntax Description

restart	Manually restart a component
pim	Restart the PIM multicast routing protocol

## Command Mode

- /exec

# restart pim6

restart pim6

## Syntax Description

restart	Manually restart a component
pim6	Restart the PIM6 multicast routing protocol

## Command Mode

- /exec

# restart rip

restart rip <tag>

## Syntax Description

restart	Manually restart a component
rip	Routing Information Protocol (RIP)
<i>tag</i>	Process ID

## Command Mode

- /exec

# resync-database

resync-database

## Syntax Description

resync-database	Re-synchronize switch-profile database
-----------------	--

## Command Mode

- /exec/configure

# retain route-target all

[no] retain route-target { all | route-map <rmap-name> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
retain	Retain the routes based on Target VPN Extended Communities
route-target	Specify Target VPN Extended Communities
all	All the routes regardless of Target-VPN community
route-map	Apply route-map to filter routes
<i>rmap-name</i>	Route-map name

## Command Mode

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

# retain route-target all

[no] retain route-target { all | route-map <rmap-name> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
retain	Retain the routes based on Target VPN Extended Communities
route-target	Specify Target VPN Extended Communities
all	All the routes regardless of Target-VPN community
route-map	Apply route-map to filter routes
<i>rmap-name</i>	Route-map name

## Command Mode

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

# retransmit-interval

{ { retransmit-interval <interval> } | { no retransmit-interval [ <interval> ] } }

## Syntax Description

no	Negate a command or set its defaults
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

## Command Mode

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



# retransmit-interval

{ { retransmit-interval <interval> } | { no retransmit-interval [ <interval> ] } }

## Syntax Description

no	Negate a command or set its defaults
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

## Command Mode

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

# retransmit-interval

{ { retransmit-interval <interval> } | { no retransmit-interval [ <interval> ] } }

## Syntax Description

no	Negate a command or set its defaults
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

## Command Mode

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

# reverse

[no] reverse { { ip <rev-ip-addr> | ipv6 <rev-ipv6-addr> | interface <revinterface> } + }

## Syntax Description

no	(Optional) Negate a command or set its defaults
reverse	Details of reverse service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	Interface through which service is connected
<i>rev-ip-addr</i>	IPv4 address in format i.i.i.i
<i>revinterface</i>	Interface

## Command Mode

- /exec/configure/epbr-sess/fwd-svc

## reverse

[no] reverse { { ip <rev-ip-addr> | ipv6 <rev-ipv6-addr> | interface <revinterface> } + }

### Syntax Description

no	(Optional) Negate a command or set its defaults
reverse	Details of reverse service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	Interface through which service is connected
<i>rev-ip-addr</i>	IPv4 address in format i.i.i.i
<i>revinterface</i>	Interface

### Command Mode

- /exec/configure/epbr/fwd-svc

# revision

revision <rev-id> | no revision [ <rev-id> ]

## Syntax Description

no	Negate a command or set its defaults
revision	Set configuration revision number
<i>rev-id</i>	Configuration revision number

## Command Mode

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

# revocation-check

```
[no] revocation-check { crl [ { none | ojsp [ none ] } ] | none | ojsp [ { crl [ none ] | none } ] }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
revocation-check	Configure trustpoint revocation check methods
crl	Configure revocation check using crl
none	(Optional) Configure revocation check using none
ocsp	(Optional) Configure revocation check using ocsp
none	(Optional) Configure revocation check using none
none	Configure revocation check using none
ocsp	Configure revocation check using ocsp
crl	(Optional) Configure revocation check using crl
none	(Optional) Configure revocation check using none
none	(Optional) Configure revocation check using none

## Command Mode

- /exec/configure/trustpoint

# rewrite-evpn-rt-asn

[ no | default ] rewrite-evpn-rt-asn

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
rewrite-evpn-rt-asn	Auto generate RTs for EBGP neighbor

## Command Mode

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

# rewrite-rt-asn

[ no | default ] rewrite-rt-asn

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
rewrite-rt-asn	Auto generate RTs for EBGP neighbor

## Command Mode

- /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



# rfc1583compatibility

[no] rfc1583compatibility [ ios-compatibility ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
rfc1583compatibility	Configure 1583 compatibility for external path preferences
ios-compatibility	(Optional) Option for IOS XE/XR compatibility: [intra asbr path preferred over cost]

## Command Mode

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

# rib verification-report

[no] rib verification-report { label module <i0> | multicast module1 <i1> | unicast module2 <i2> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
rib	Configure RIB parameters
verification-report	Generate RIB route verification report
label	Generate label report
module	Line card module number
<i>i0</i>	Enter module number
multicast	Generate multicast report
module1	Line card module number
<i>i1</i>	Enter module number
unicast	Generate unicast report
module2	Line card module number
<i>i2</i>	Enter module number

## Command Mode

- /exec/configure

# rip shutdown

[no] rip shutdown

## Syntax Description

no	(Optional) Negate a command or set its defaults
rip	RIP configuration commands
shutdown	Shutdown RIP on this interface

## Command Mode

- /exec/configure/if-igp

# rmdir

rmdir { <uri0> | <uri1> }

## Syntax Description

rmdir	Delete a directory
<i>uri0</i>	Delete a directory
<i>uri1</i>	Delete a directory on expansion flash

## Command Mode

- /exec

## rmon alarm absolute rising-threshold falling-threshold

```
rmon alarm <i0> <s0> <i1> { absolute | delta } rising-threshold <i2> [ <i3> ] falling-threshold <i4> [ <i5> ]
[ owner <s1> ] | no rmon alarm <i0>
```

### Syntax Description

no	Negate a command or set its defaults
rmon	Remote Monitoring
alarm	Configure an RMON alarm
<i>i0</i>	Alarm number
<i>s0</i>	MIB object to monitor
<i>i1</i>	Sample interval
absolute	Test each sample directly
delta	Test delta between samples
rising-threshold	Configure the rising threshold
<i>i2</i>	Rising threshold value
<i>i3</i>	(Optional) Event to fire on rising threshold crossing
falling-threshold	Configure the falling threshold
<i>i4</i>	Falling threshold value
<i>i5</i>	(Optional) Event to fire on falling threshold crossing
owner	(Optional) Specify an owner for the alarm
<i>s1</i>	(Optional) Alarm owner

### Command Mode

- /exec/configure

## rmon event

rmon event <i0> [ log ] [ trap <s0> ] [ description <s1> ] [ owner <s2> ] | no rmon event <i0>

### Syntax Description

no	Negate a command or set its defaults
rmon	Remote Monitoring
event	Configure an RMON event
<i>i0</i>	Event number
log	(Optional) Generate RMON log when the event fires
trap	(Optional) Generate SNMP trap when event fires
<i>s0</i>	(Optional) SNMP community string
description	(Optional) Specify a description of the event
<i>s1</i>	(Optional) Event description
owner	(Optional) Specify an owner for the event
<i>s2</i>	(Optional) Event owner

### Command Mode

- /exec/configure

# rmon hcalarm absolute startupalarm rising-threshold falling-threshold owner

rmon hcalarm <i0> <s0> <i1> { absolute | delta } startupalarm <i2> rising-threshold <i3> <i4> falling-threshold <i5> <i6> owner <s1> | no rmon hcalarm <i0>

## Syntax Description

no	Negate a command or set its defaults
rmon	Remote Monitoring
hcalarm	Configure an High Capacity RMON alarm
<i>i0</i>	Alarm number
<i>s0</i>	MIB object to monitor
<i>i1</i>	Sample interval
absolute	Test each sample directly
delta	Test delta between samples
startupalarm	Configure alarm type
<i>i2</i>	Startup alarm type, rising(1) falling(2) risingorfalling(3)
rising-threshold	Configure the rising threshold
<i>i3</i>	Rising threshold value in bytes
<i>i4</i>	Event to fire on rising threshold crossing
falling-threshold	Configure the falling threshold
<i>i5</i>	Falling threshold value in bytes
<i>i6</i>	Event to fire on falling threshold crossing
owner	Specify an owner for the alarm
<i>s1</i>	Alarm owner

## Command Mode

- /exec/configure

## roaming-eid-prefix

```
{ [ no ] roaming-eid-prefix { <eid-prefix> | <eid-prefix6> } }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
roaming-eid-prefix	Configures what EID-prefixes allowed to roam
<i>eid-prefix</i>	IPv4 roaming EID-prefix

### Command Mode

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



# role feature-group name

[no] role feature-group name <arg6>

## Syntax Description

no	(Optional) Negate a command or set its defaults
role	Configure roles
feature-group	Configure role feature-group
name	Feature-group name
<i>arg6</i>	Enter feature-group name

## Command Mode

- /exec/configure

# role name

[no] role name <arg2>

## Syntax Description

no	(Optional) Negate a command or set its defaults
role	Configure roles
name	Enter the role name
<i>arg2</i>	Enter the role name

## Command Mode

- /exec/configure

# role priority

role priority <priority\_value> | no role priority

## Syntax Description

no	Negate a command or set its defaults
role	Role related configuration
priority	Configure priority to be used during vPC role (primary/secondary) election
<i>priority_value</i>	specify priority value

## Command Mode

- /exec/configure/vpc-domain

# rollback configuration to

rollback configuration to <conf-commit-id>

## Syntax Description

rollback	Rollback configuration
configuration	committed configuration
to	to choose a committed ID
<i>conf-commit-id</i>	commit ID

## Command Mode

- /exec

# rollback running-config checkpoint

```
rollback running-config { checkpoint <chkpoint_name> | file <file_uri> } [ best-effort | stop-at-first-failure | atomic ] [ verbose ]
```

## Syntax Description

rollback	Rollback configuration
running-config	Rollback running configuration
checkpoint	Rollback running configuration to checkpoint
<i>chkpoint_name</i>	Checkpoint name
file	Rollback running configuration to configuration file
<i>file_uri</i>	Checkpoint file path
best-effort	(Optional) Skip errors and proceed with rollback
stop-at-first-failure	(Optional) Stop rollback at the first error
atomic	(Optional) Stop rollback and revert to original configuration (default)
verbose	(Optional) Show the execution log

## Command Mode

- /exec

# root-priority

[no] root-priority <root-pri>

## Syntax Description

no	(Optional) Negate a command or set its defaults
root-priority	Set priority with which nodes becomes root
<i>root-pri</i>	Root priority value per topology

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common /exec/configure/l2mp-isis/l2mp-isis-l2-topo

# route-map

```
route-map <rtmap-name> [ permit | deny ] <seq>
```

## Syntax Description

route-map	Create route-map or enter route-map command mode
<i>rtmap-name</i>	Route-map name
permit	(Optional) Route map permits set operations
deny	(Optional) Route map denies set operations
<i>seq</i>	Sequence to insert to/delete from existing route-map entry

## Command Mode

- /exec/configure

# route-map

route-map <rtmap-name> [ permit | deny ]

## Syntax Description

route-map	Create route-map or enter route-map command mode
<i>rtmap-name</i>	Route-map name
permit	(Optional) Route map permits set operations
deny	(Optional) Route map denies set operations

## Command Mode

- /exec/configure



# route-map

[no] route-map { <rtmap-name> | <rtmap-name> } [ permit | deny ]

## Syntax Description

no	Negate a command or set its defaults
route-map	Create route-map or enter route-map command mode
<i>rtmap-name</i>	Route-map name
<i>rtmap-name</i>	Known route-map name
permit	(Optional) Route map permits set operations
deny	(Optional) Route map denies set operations

## Command Mode

- /exec/configure

# route-map

[no] route-map { <rtmap-name> | <rtmap-name> } [ permit | deny ] <seq>

## Syntax Description

no	Negate a command or set its defaults
route-map	Create route-map or enter route-map command mode
<i>rtmap-name</i>	Route-map name
<i>rtmap-name</i>	Known route-map name
permit	(Optional) Route map permits set operations
deny	(Optional) Route map denies set operations
<i>seq</i>	Sequence to insert to/delete from existing route-map entry

## Command Mode

- /exec/configure

## route-map out

[ no | default ] route-map <rmap-name> { out | in }

### Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
route-map	Apply route-map to neighbor
<i>rmap-name</i>	Route-map name
out	Apply policy to outgoing routes
in	Apply policy to incoming routes

### 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-ipv4-mdt
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-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

## route-map pbr-statistics

```
route-map <route-map-name> pbr-statistics | no route-map { <route-map-name> | <route-map-name> }  
pbr-statistics
```

### Syntax Description

no	Negate a command or set its defaults
route-map	Create route-map or enter route-map command mode
<i>route-map-name</i>	Route-map name
<i>route-map-name</i>	Route-map name
<i>route-map-name</i>	Known route-map name
pbr-statistics	Statistics for policy based routing

### Command Mode

- /exec/configure

# route-reflector-client

[ no | default ] route-reflector-client

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
route-reflector-client	Configure a neighbor as Route reflector client

## Command Mode

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

# route-reflector-client

[ no | default ] route-reflector-client

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
route-reflector-client	Configure a neighbor as Route reflector client

## Command Mode

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

# route-target both

```
{ route-target both { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target both { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

## Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
both	Export and Import Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

## Command Mode

- /exec/configure/evpn/evi-sr

## route-target both auto

```
{ route-target both { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target both { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

### Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
auto	Generate RT automatically
both	Export and Import Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

### Command Mode

- /exec/configure/evpn/evi



## route-target both auto

```
{ route-target both { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] } | { no route-target
both [ auto [ evpn | mvpn ] | <ext-comm-rt-aa2nn4> [ evpn | mvpn ] | <ext-comm-rt-aa4nn2> [ evpn | mvpn
]] }
```

### Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
both	Export And Import Target-VPN community
auto	Generate route target automatically
evpn	(Optional) Specify Target for EVPN routes
mvpn	(Optional) Specify Target for MVPN routes
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

### Command Mode

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

## route-target export

```
{ route-target export { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] } | { no route-target
export { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] }
```

### Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
export	Export Target-VPN community
evpn	(Optional) Specify Target for EVPN routes
mvpn	(Optional) Specify Target for MVPN routes
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

### Command Mode

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

## route-target export

```
{ route-target export { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target export {  
<ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

### Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
export	Export Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

### Command Mode

- /exec/configure/evpn/evi-sr

## route-target export auto

```
{ route-target export { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target export {
auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

### Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
auto	Generate RT automatically
export	Export Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

### Command Mode

- /exec/configure/evpn/evi

# route-target import

```
{ route-target import { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target import { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

## Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
import	Import Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

## Command Mode

- /exec/configure/evpn/evi-sr

## route-target import

```
{ route-target import { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] } | { no route-target
import { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] }
```

### Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
import	Import Target-VPN community
evpn	(Optional) Specify Target for EVPN routes
mvpn	(Optional) Specify Target for MVPN routes
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

### Command Mode

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

## route-target import auto

```
{ route-target import { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target import
{ auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

### Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
import	Import Target-VPN community
auto	Generate RT automatically
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

### Command Mode

- /exec/configure/evpn/evi

# route

```
[no] route { vrf { <vrf-name> | <vrf-known-name> } } { <ip-addr> <ip-mask> | <ip-prefix> | <ipv6-prefix>
} { <next-hop> [ next-hop-vrf { <nh-vrf-name> | <nh-vrf-known-name> | default } ] { vni <id> { dest-vtep-mac
<next-hop-mac> } } | remote-locator <remote-loc> function <function> [ via policy { name <te-policy> |
color <color> endpoint <end-point> } ] | via policy { name <te-policy> | color <color> endpoint <end-point>
} [ remote-locator <remote-loc> function <function> ] }
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
route	Route information
vrf	VRF for host route
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
<i>ip-addr</i>	IP prefix in format i.i.i.i
<i>ip-mask</i>	IP network mask in format m.m.m.m
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
<i>next-hop</i>	IP next-hop address in format i.i.i.i
next-hop-vrf	(Optional) VRF for next-hop. Default is vrf 'default
default	(Optional) Default next hop VRF
<i>nh-vrf-name</i>	(Optional) VRF name
<i>nh-vrf-known-name</i>	(Optional) Known VRF name
dest-vtep-mac	Remote VTEP MAC address
<i>next-hop-mac</i>	MAC Address of remote VTEP
vni	Virtual Network Identifier
via	(Optional) Via Srv6 TE policy
policy	(Optional) Traffic engineering-policy
name	(Optional) Te-policy policy
<i>te-policy</i>	(Optional) policy Name
color	(Optional) Te-policy color
<i>color</i>	(Optional) color name
endpoint	(Optional) SRv6 End-point



remote-locator	Ipv6 locator of remote srv6 peer
function	Function
<i>function</i>	Function in the remote sid
<i>id</i>	vni, Example: 4096,6099

**Command Mode**

- /exec/configure/tunnel-profile

# router-guard ip multicast

[no] router-guard ip multicast [ vlan <vlan\_id> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
router-guard	Configures router guard for all interfaces
ip	Configure IP features
multicast	router-guard for multicast packet processing
vlan	(Optional) Configures router guard for specified vlan only(only in trunk ports)
<i>vlan_id</i>	(Optional) Specify vlan-id

## Command Mode

- /exec/configure/if-switching

# router-guard ip multicast switchports

[no] router-guard ip multicast switchports

## Syntax Description

no	(Optional) Negate a command or set its defaults
router-guard	Configures router guard for all interfaces
ip	Configure IP features
multicast	router-guard for multicast packet processing
switchports	configures on all switchports globally

## Command Mode

- /exec/configure

# router-guard ipv6 multicast

[no] router-guard ipv6 multicast [ vlan <vlan\_id> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
router-guard	Configures router guard for all interfaces
ipv6	Configure IPv6 features
multicast	router-guard for multicast packet processing
vlan	(Optional) Configures router guard for specified vlan only(only in trunk ports)
<i>vlan_id</i>	(Optional) Specify vlan-id

## Command Mode

- /exec/configure/if-switching

# router-guard ipv6 multicast switchports

[no] router-guard ipv6 multicast switchports

## Syntax Description

no	(Optional) Negate a command or set its defaults
router-guard	Configures router guard for all interfaces
ipv6	Configure IPv6 features
multicast	router-guard for multicast packet processing
switchports	configures on all switchports globally

## Command Mode

- /exec/configure

# router-id

{ { router-id <id> } | { no router-id [ <id> ] } }

## Syntax Description

no	Negate a command or set its defaults
router-id	Set OSPF process router-id
<i>id</i>	Router ID Value

## Command Mode

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

# router-id

[no] router-id { <interface> | <rid> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
router-id	Router-ID
<i>interface</i>	Interface to provide IP address for router-id
<i>rid</i>	IP address to become router-id

## Command Mode

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

# router-id

{ { router-id <id> } | { no router-id [ <id> ] } }

## Syntax Description

no	Negate a command or set its defaults
router-id	Set OSPFv3 process router-id
<i>id</i>	Router ID Value

## Command Mode

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



# router-id

```
{ { [ eigrp ] router-id <id> } | { no [ eigrp ] router-id [ <id> ] } }
```

## Syntax Description

no	Negate a command or set its defaults
eigrp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
router-id	router-id for this EIGRP process
<i>id</i>	EIGRP Router-ID in IP address format

## Command Mode

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

# router-id

```
router-id [ vrf { <vrf-name> | <vrf-known-name> } ] <interface> [ force ] | no router-id [ { vrf { <vrf-name> | <vrf-known-name> } | <interface> [ force ] } ]
```

## Syntax Description

no	Negate a command or set its defaults
router-id	Select interface to prefer for LDP identifier address
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>interface</i>	
force	(Optional) Forcibly change the LDP router id

## Command Mode

- /exec/configure/ldp

# router-id

[no] router-id { auto | <router-id> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
router-id	Specify the IP address to use as router-id
auto	Automatically configured router identifier
<i>router-id</i>	Manually configured router identifier

## Command Mode

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

# router-preference maximum

[no] router-preference maximum <prefopts>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>prefopts</i>	

## Command Mode

- /exec/configure/config-ra-guard

# router bgp

[no] router bgp { <as> | auto }

## Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
bgp	Border Gateway Protocol (BGP)
as	Autonomous
auto	Automatically generate 4-Byte Private Autonomous System Number based on system MAC address

## Command Mode

- /exec/configure

# router eigrp

[no] router eigrp <eigrp-ptag>

## Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>eigrp-ptag</i>	Process tag

## Command Mode

- /exec/configure

# router isis

[no] router isis <tag>

## Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Routing process tag

## Command Mode

- /exec/configure

# router ospf

[no] router ospf <tag>

## Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
ospf	Open Shortest Path First (OSPF)
<i>tag</i>	Process tag

## Command Mode

- /exec/configure



# router ospfv3

[no] router ospfv3 <tag>

## Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
ospfv3	Open Shortest Path First (OSPF) (Version 3)
<i>tag</i>	Process tag

## Command Mode

- /exec/configure

# router rip

[no] router rip <tag>

## Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
rip	Routing Information Protocol (RIP)
<i>tag</i>	Process ID

## Command Mode

- /exec/configure

# routing-context vrf

routing-context vrf <vrf-known-name>

## Syntax Description

routing-context	Set the routing context
vrf	The new routing-context VRF
<i>vrf-known-name</i>	Known VRF name

## Command Mode

- /exec

# rsakeypair

[no] rsakeypair <s0> [ <i0> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
rsakeypair	Configure trustpoint rsa key-pair details
<i>s0</i>	key-pair label
<i>i0</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

## Command Mode

- /exec/configure/trustpoint

# rtr etr eid

[no] { rtr | etr | eid } { <locator> | <locator6> } [ strict | probe ] + <seq>

## Syntax Description

no	(Optional) Negate a command or set its defaults
rtr	Configure RTR in ELP ordered list
etr	Configure ETR in ELP ordered list
eid	Configure EID in ELP ordered list
<i>locator</i>	IPv4 locator for RTR/ETR or EID
strict	(Optional) ELP hop must be used in Explicit Locator Path
probe	(Optional) RLOC-probe next-hop in ELP
<i>seq</i>	Sequence to insert or delete RTR/ETR/EID ELP entry

## Command Mode

- /exec/configure/lisp-elp /exec/configure/vrf/lisp-elp

# rule

```
rule <number> { <action> } { { <permission> [ <featuretype> <name> ] } } | no rule <number>
```

## Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>rule</code>	Enter the rule number
<i>number</i>	Enter the rule number
<i>action</i>	Action
<i>permission</i>	Permission
<i>featuretype</i>	(Optional) Feature type
<i>name</i>	(Optional) Enter the access entity name

## Command Mode

- /exec/configure/role

# rule command

rule <number> { <action> } { command <cmd\_line> } | no rule <number>

## Syntax Description

no	Negate a command or set its defaults
rule	Enter the rule number
<i>number</i>	Enter the rule number
<i>action</i>	Action
command	Command line
<i>cmd_line</i>	Enter the command (use space+' ' for command separator) e.g. config t role *

## Command Mode

- /exec/configure/role

# rule oid

rule <number> <action> <permission> oid <snmp\_oid> | no rule <number>

## Syntax Description

no	Negate a command or set its defaults
rule	Enter the rule number
<i>number</i>	Enter the rule number
<i>action</i>	Action
<i>permission</i>	Permission
oid	SNMP oid (up to 32 elements)
<i>snmp_oid</i>	Enter snmp oid instance name

## Command Mode

- /exec/configure/role



# run-opts

```
{ run-opts <index> <docker-opt> | no run-opts <index> [ <docker-opt> ] }
```

## Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>run-opts</code>	Multi-line docker run options with line index and string
<i>index</i>	Index number
<i>docker-opt</i>	Docker run-time options

## Command Mode

- `/exec/configure/app-hosting-docker`

# run-script

run-script <uri0>

## Syntax Description

run-script	Run shell scripts
<i>uri0</i>	Enter script file name

## Command Mode

- /exec

# run2 guestshell

```
run2 guestshell [ { <cmd_args> } ]
```

## Syntax Description

run2	execute/run program
guestshell	The guest shell Linux-bash
<i>cmd_args</i>	(Optional) The command to execute

## Command Mode

- /exec

# run bash

run bash [ <cmd> ]

## Syntax Description

run	execute/run program
bash	linux-bash
<i>cmd</i>	(Optional) the command to execute

## Command Mode

- /exec

# run cid

run cid

## Syntax Description

run	execute/run debug shell
cid	Cisco Interactive Debug shell

## Command Mode

- /exec

