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radius-server deadline

[no] radius-server deadline <i0>

Syntax Description

| | | |
|---------------------------|---------------|--|
| Syntax Description | no | (Optional) Negate a command or set its defaults |
| | radius-server | Configure RADIUS related parameters |
| | deadline | duration for which non-reachable server is skipped |
| | i0 | Length of time, in minutes |

Command Mode

- /exec/configure

radius-server directed-request

[no] radius-server directed-request

Syntax Description

| | | |
|---------------------------|------------------|---|
| 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

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> [ idle-time <i1> ] ] } | [ idle-time <i1> ] } } | { password <s1> [ idle-time <i1> ] } | { idle-time <i1> } }
```

Syntax Description

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 |
| idle-time | (Optional) time interval for monitoring the server |
| <i>i1</i> | (Optional) time period in minutes |

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

| 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) | |
| s0 | default RADIUS shared secret(clear text) | |
| 6 | default RADIUS shared secret(type-6 encrypted) | |
| s6 | default RADIUS shared secret(type-6 encrypted) | |
| 7 | default RADIUS shared secret(encrypted) | |
| s1 | default RADIUS shared secret(encrypted) | |
| s2 | default RADIUS shared secret(clear text) | |

Command Mode

- /exec/configure

radius-server pss-clean

[no] radius-server pss-clean

Syntax Description

| Syntax Description | |
|--------------------|---|
| no | (Optional) Negate a command or set its defaults |
| radius-server | Configure RADIUS related parameters |
| pss-clean | Erase PSS |

Command Mode

- /exec/configure

radius-server retransmit

[no] radius-server retransmit <i0>

Syntax Description

| | | |
|---------------------------|---------------|---|
| 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 test

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

Syntax Description

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 |
| 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

| | | |
|---------------------------|---------------|---|
| 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

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

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

| 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

| 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

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 cpu direction pps action log

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

Syntax Description

| Syntax Description | |
|--------------------|---|
| no | (Optional) 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 cpu direction pps action log

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

Syntax Description

| Syntax Description | |
|--------------------|---|
| no | (Optional) 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 packet_in burst

rate-limit packet_in <packetin-val> burst <burst-val> | no rate-limit

Syntax Description

| 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

rate-limit packet_in burst

rate-limit packet_in <packetin-val> burst <burst-val> | no rate-limit

Syntax Description

| 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-mode

rate-mode <ratemode> [force] | no rate-mode [<ratemode>] [force]

Syntax Description

Syntax Description

no Negate a command or set its defaults

rate-mode Enter the rate mode

force (Optional) This option will shutdown all ports in port-group momentarily

ratemode Interface port speed

Command Mode

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

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

| 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

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

Command Mode

- /exec/configure/evpn/evi

reconnect-interval

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

Syntax Description

| | | |
|---------------------------|--------------------|---|
| 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-route

[no] record-route

Syntax Description

| | | |
|---------------------------|--------------|---|
| Syntax Description | no | (Optional) Negate a command or set its defaults |
| | record-route | Record the route used by the LSP |

Command Mode

- /exec/configure/te/lsp-attr

record-route

[no] record-route

Syntax Description

| | | |
|---------------------------|--------------|---|
| Syntax Description | no | (Optional) Negate a command or set its defaults |
| | record-route | record the route used by the tunnel |

Command Mode

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

record

[no] record <recordname>

Syntax Description

Syntax Description

| | |
|--------|----------------------------|
| record | Specify Flow Record to use |
|--------|----------------------------|

recordname Name of record

Command Mode

- /exec/configure/nfm-monitor

record netflow-original

[no] record netflow-original

Syntax Description

| 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 { ipv4 { original-input | original-output } }

Syntax Description

| 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 |
| | original-output | Traditional IPv4 output NetFlow |

Command Mode

- /exec/configure/nfm-monitor

record netflow

```
[no] record netflow { ipv6 { original-input | original-output } }
```

Syntax Description

| Syntax Description | | |
|--------------------|--|--|
| record | | Specify Flow Record to use |
| netflow | | Traditional NetFlow collection schemes |
| ipv6 | | IPv6 collection schemes |
| original-input | | Input NetFlow |
| original-output | | Output NetFlow |

Command Mode

- /exec/configure/nfm-monitor

record netflow

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

Syntax Description

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

| 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 bgp

```
{ redistribute { { bgp <as> } | { eigrp | isis | ospfv3 | rip } <ptag> | static | direct | amt | lisp } route-map {
<policy-name> | <rtr_pol_name> } } | { no redistribute { { bgp <as> } | { eigrp | isis | ospfv3 | rip } <ptag> |
static | direct | amt | lisp } [ route-map { <policy-name> | <rtr_pol_name> } ] }
```

Syntax Description

Syntax Description

| | |
|--------------|--|
| no | Negate a command or set its defaults |
| redistribute | Redistribute information from another routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| as | Autonomous system number |
| eigrp | Enhanced Interior Gateway Protocol (EIGRP) |
| isis | ISO Intermediate-to-Intermediate (IS-IS) |
| ospfv3 | Open Shortest Path First (OSPFv3) |
| rip | Routing Information Protocol (RIP) |
| ptag | Process Tag |
| static | Static |
| direct | Directly connected |
| amt | AMT anycast prefix |
| lisp | LISP EID-prefixes |
| route-map | Policy to constrain redistribution |
| policy-name | Route-map name |
| rtr_pol_name | An existing routing-rules policy |

Command Mode

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

redistribute bgp eigrp isis ospf rip static direct amt lisp route-map

```
{ redistribute { bgp <as> | { eigrp | isis | ospf | rip } <ptag> | static | direct | amt | lisp } route-map {
<policy-name> | <rtr_pol_name> } } | { no redistribute { bgp <as> | { eigrp | isis | ospf | rip } <ptag> | static
| direct | amt | lisp } [ route-map { <policy-name> | <rtr_pol_name> } ] }
```

Syntax Description

Syntax Description

| | |
|--------------|--|
| no | Negate a command or set its defaults |
| redistribute | Redistribute information from another routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| as | Autonomous system number |
| isis | ISO Intermediate-to-Intermediate (IS-IS) |
| ospf | Open Shortest Path First (OSPFv2) |
| eigrp | Enhanced Interior Gateway Protocol (EIGRP) |
| rip | Routing Information Protocol (RIP) |
| ptag | Protocol Tag |
| static | Static |
| direct | Directly connected |
| amt | AMT anycast prefix |
| lisp | LISP EID-prefixes |
| route-map | Policy to constrain redistribution |
| policy-name | Route-map name |
| rtr_pol_name | An existing routing-rules policy |

Command Mode

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

redistribute filter route-map

[no] redistribute filter route-map { <map-name> | <rtr_pol_name> }

Syntax Description

| 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 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

| 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 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

Syntax Description

| | |
|-----------------------------|--|
| <code>no</code> | Negate a command or set its defaults |
| <code>redistribute</code> | Redistribute information from another routing protocol |
| <code>maximum-prefix</code> | Max number of prefixes redistributed |
| <i>maximum</i> | max number |
| <i>threshold</i> | (Optional) Threshold in %, at which message is generated |
| <code>warning-only</code> | (Optional) Warning msg is logged when max is reached |
| <code>withdraw</code> | (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-vrf-common /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

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

| Syntax Description | | |
|-----------------------------|------------|--|
| <code>no</code> | | Negate a command or set its defaults |
| <code>redistribute</code> | | Redistribute information from another routing protocol |
| <code>maximum-prefix</code> | | 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 |
| <code>warning-only</code> | (Optional) | Log a warning message when limit is exceeded |
| <code>withdraw</code> | (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

Syntax Description

| | |
|-----------------------------|--|
| <code>no</code> | Negate a command or set its defaults |
| <code>redistribute</code> | Redistribute information from another routing protocol |
| <code>maximum-prefix</code> | Max number of prefixes redistributed |
| <i>maximum</i> | max number |
| <i>threshold</i> | (Optional) Threshold in %, at which message is generated |
| <code>warning-only</code> | (Optional) Warning msg is logged when threshold is reached |
| <code>withdraw</code> | (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 route-map

[no] redistribute { bgp <as> | { eigrp | isis | ospfv3 | rip } <tag> | static | direct | amt | lisp } route-map <map-name>

Syntax Description

| Syntax Description | |
|--------------------|---|
| no | (Optional) Negate a command or set its defaults |
| redistribute | RIP redistribute routes from other routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| as | Autonomous system number |
| eigrp | Enhanced Interior Gateway Routing Protocol (EIGRP) |
| isis | Intermediate-to-intermediate (ISIS) |
| rip | Routing Information Protocol (RIP) |
| ospfv3 | Open Shortest Path First (OSPFv3) |
| tag | Process tag |
| static | Static routes |
| direct | Directly connected routes |
| amt | AMT anycast prefix |
| lisp | LISP EID-prefixes |
| route-map | Policy to constrain redistribution |
| map-name | Route-map name |

Command Mode

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

redistribute route-map

[no] redistribute { bgp <as> | { eigrp | isis | ospf | rip } <tag> | static | direct | amt | lisp } route-map <map-name>

Syntax Description

Syntax Description

| | |
|--------------|---|
| no | (Optional) Negate a command or set its defaults |
| redistribute | RIP redistribute routes from other routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| eigrp | Enhanced Interior Gateway Routing Protocol (EIGRP) |
| as | Autonomous system number |
| isis | Intermediate-to-intermediate (ISIS) |
| rip | Routing Information Protocol (RIP) |
| ospf | Open Shortest Path First (OSPFv2) |
| tag | Process tag |
| static | Static routes |
| direct | Directly connected routes |
| amt | AMT anycast prefix |
| lisp | LISP EID-prefixes |
| route-map | Policy to constrain redistribution |
| map-name | Route-map name |

Command Mode

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

redistribute route-map

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

Syntax Description

Syntax Description

| | |
|------------------|---|
| no | (Optional) Negate a command or set its defaults |
| redistribute | Configure redistribution |
| static | Static routes |
| direct | Directly connected |
| isis | ISO IS-IS |
| ospf | Open Shortest Path First (OSPF) |
| rip | Routing Information Protocol (RIP) |
| eigrp | Enhanced Interior Gateway Protocol |
| amt | AMT anycast prefix |
| lisp | LISP EID-prefixes in the non-default VRF |
| am | AM routes (learned via ARP) |
| hmm | HMM prefix |
| 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-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4

redistribute route-map

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

Syntax Description

| 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 |
| am | AM routes (learned via ARP) |
| hmm | HMM prefix |
| 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

redistribute route-map

```
[no] redistribute { bgp <as> | { eigrp | isis | ospf | rip } <tag> | static | direct | amt } route-map { <map-name>
| <rtr_pol_name> }
```

Syntax Description

| Syntax Description | | |
|--------------------|--|--|
| no | (Optional) Negate a command or set its defaults | |
| redistribute | Redistribute information from another routing protocol | |
| bgp | Border Gateway Protocol (BGP) | |
| as | Autonomous system number | |
| isis | IS-IS Routing for IPv4 | |
| ospf | Open Shortest Path First (OSPF) | |
| eigrp | Enhanced Interior Gateway Protocol | |
| rip | RIP for IPv4 | |
| tag | Process tag | |
| static | Static routes | |
| direct | Directly connected | |
| amt | AMT anycast prefix | |
| route-map | Route-map to constrain redistribution | |
| map-name | A 'routing-rules' route-map name | |
| rtr_pol_name | An existing routing-rules policy | |

Command Mode

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

redistribute route-map

```
[no] redistribute { bgp <as> | { eigrp | isis | ospfv3 | rip } <tag> | static | direct | amt } route-map { <map-name>
| <rtr_pol_name> }
```

Syntax Description

Syntax Description

| | |
|--------------|--|
| no | (Optional) Negate a command or set its defaults |
| redistribute | Redistribute information from another routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| as | Autonomous system number |
| isis | IS-IS Routing for IPv6 |
| ospfv3 | Open Shortest Path First (OSPF) V3 |
| eigrp | Enhanced Interior Gateway Protocol |
| rip | RIP for IPv6 (RIPNG) |
| tag | Process tag |
| static | Static routes |
| direct | Directly connected |
| amt | AMT anycast prefix |
| route-map | Route-map to constrain redistribution |
| map-name | A 'routing-rules' route-map name |
| rtr_pol_name | An existing routing-rules policy |

Command Mode

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

redistribute route-map

```
[no] redistribute { bgp <as> | { eigrp | isis | ospf | rip } <tag> | static | direct | amt | lisp } route-map {
<map-name> | <rtr_pol_name> }
```

Syntax Description

| Syntax Description | | |
|--------------------|--|--|
| no | (Optional) Negate a command or set its defaults | |
| redistribute | Redistribute information from another routing protocol | |
| bgp | Border Gateway Protocol (BGP) | |
| as | Autonomous system number | |
| isis | IS-IS Routing for IPv4 | |
| ospf | Open Shortest Path First (OSPF) | |
| rip | Routing Information Protocol (RIP) | |
| eigrp | Enhanced Interior Gateway Routing Protocol (EIGRP) | |
| tag | Process tag | |
| static | Static routes | |
| direct | Directly connected | |
| lisp | LISP EID-prefixes | |
| amt | AMT Anycast prefix | |
| route-map | Route-map to constrain redistribution | |
| map-name | Route-map name | |
| rtr_pol_name | An existing routing-rules policy | |

Command Mode

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

redistribute route-map

```
[no] redistribute { bgp <as> | { eigrp | isis | ospfv3 | rip } <tag> | static | direct | amt | lisp } route-map {
<map-name> | <rtr_pol_name> }
```

Syntax Description

| Syntax Description | |
|--------------------|--|
| no | (Optional) Negate a command or set its defaults |
| redistribute | Redistribute information from another routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| as | Autonomous system number |
| isis | IS-IS Routing for IPv4 |
| ospfv3 | Open Shortest Path First (OSPF) V3 |
| rip | Routing Information Protocol (RIP) |
| eigrp | Enhanced Interior Gateway Routing Protocol (EIGRP) |
| tag | Process tag |
| static | Static routes |
| direct | Directly connected |
| amt | AMT Anycast prefix |
| lisp | LISP EID-prefixes |
| route-map | Route-map to constrain redistribution |
| map-name | Route-map name |
| rtr_pol_name | An existing routing-rules policy |

Command Mode

- /exec/configure/router-eigrp/router-eigrp-af-ipv6

redundancy-group

[no] redundancy-group

Syntax Description

| | | |
|---------------------------|------------------|---|
| 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

| | | |
|---------------------------|---------------------|--|
| 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

refresh profile-diff

```
refresh profile-diff <src-profile> <dest-profile> [ cleanup destination-profile ]
```

Syntax Description

Syntax Description

| | |
|---------------------|--|
| refresh | Refresh an applied config profile instance |
| profile-diff | Generate the diff between source and destination profile instances |
| cleanup | (Optional) Profile cleanup options after diff calculation |
| destination-profile | (Optional) Clean up destination profile after diff calculation |
| <i>src-profile</i> | Enter the name of the instance |
| <i>dest-profile</i> | Enter the name of the include profile |

Command Mode

- /exec

refresh profile

[no] refresh profile <profile> <dest-profile> [overwrite]

Syntax Description

| Syntax Description | |
|---------------------|---|
| no | (Optional) Negate a command or set its defaults |
| refresh | Refresh config-profile |
| profile | Refresh an applied config-profile |
| <i>profile</i> | Enter the name of an applied profile as the source profile |
| <i>dest-profile</i> | Enter the name of an unapplied profile as the destination profile |
| overwrite | (Optional) Override the source profile with the destination profile |

Command Mode

- /exec

register-database-mapping

{ [no] register-database-mapping }

Syntax Description

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

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

Syntax Description

Syntax Description

reload reboot the entire
box

Command Mode

- /exec

reload ascii

reload ascii [vdc-all]

Syntax Description

Syntax Description

reload Power cycle

ascii Reload with ASCII startup-configuration

vdc-all (Optional) Perform for all vdc

Command Mode

- /exec

reload force

reload force

Syntax Description

Syntax Description

reload reboot the entire box

force reload without
prompting

Command Mode

- /exec

reload kexec

reload kexec

Syntax Description

Syntax Description

`reload` reboot the entire
box

`kexec` reboot using kexec

Command Mode

- /exec

reload kexec

reload kexec <s0> <s1>

Syntax Description

Syntax Description

reload reboot the entire box

kexec reboot using kexec

s0 please enter the boot image name

s1 please enter the isan image name

Command Mode

- /exec

reload module

reload module <module>

Syntax Description

Syntax Description

reload reboot the entire box

module reboot a specific module

module please enter the module number

Command Mode

- /exec

reload module force-dnld

reload module <module> force-dnld

Syntax Description

Syntax Description

reload reboot the entire box

module reboot a specific module

module please enter the module number

force-dnld reboot a specific module to force NetBoot and image download

Command Mode

- /exec

reload module hard

reload module <module> hard

Syntax Description

Syntax Description

reload reboot the entire box

module reboot a specific module

module please enter the module number

hard hard reboot a specific module

Command Mode

- /exec

reload non-interruptive

reload non-interruptive

Syntax Description

| | | |
|---------------------------|------------------|-----------------------------|
| Syntax Description | reload | reboot the entire box |
| | non-interruptive | Reboot without interruption |

Command Mode

- /exec

reload power-cycle

reload power-cycle

Syntax Description

| Syntax Description | |
|--------------------|-----------------------|
| reload | reboot the entire box |
| power-cycle | Power cycle ADM |

Command Mode

- /exec

reload restore

reload restore [delay <time-out>] | no reload restore

Syntax Description

Syntax Description

| | |
|-----------------|--|
| no | Negate a command or set its defaults |
| reload | Settings for vpc action on reload with vpc configs |
| restore | restore vpcs assuming peer is not functional |
| delay | (Optional) Duration to wait before assuming peer dead and restoring vpcs |
| <i>time-out</i> | (Optional) Time-out for restoring vPC links (in seconds) |

Command Mode

- /exec/configure/vpc-domain

reload sync-adjacency

reload sync-adjacency

Syntax Description

| Syntax Description | | |
|--------------------|--|----------------------------|
| reload | | reboot the entire box |
| sync-adjacency | | Reload with sync adjacency |

Command Mode

- /exec

reload sync-adjacency

reload sync-adjacency

Syntax Description

| Syntax Description | reload | reload with sync adjacency |
|--------------------|----------------|-----------------------------------|
| | sync-adjacency | Reload with ARP/ND sync adjacency |

Command Mode

- /exec

reload vdc

reload vdc <d-vdc>

Syntax Description

Syntax Description

vdc Restart the current vdc

reload Power cycle

d-vdc Enter Virtual Device Context <vdc-id>

Command Mode

- /exec

reload vdc

reload vdc

Syntax Description

Syntax Description

vdc Restart the current
vdc

reload Power cycle

Command Mode

- /exec

remark

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

Syntax Description

| | | |
|---------------------------|----------------|--------------------------------------|
| Syntax Description | <i>no</i> | Negate a command or set its defaults |
| | <i>seqno</i> | (Optional) Sequence number |
| | <i>remark</i> | Access list 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

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

Command Mode

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

remark

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

Syntax Description

| | | |
|---------------------------|----------------|--------------------------------------|
| Syntax Description | no | Negate a command or set its defaults |
| | seqno | (Optional) Sequence number |
| | remark | Access list entry comment |
| | comment | Comment, up to 100 characters |

Command Mode

- /exec/configure/macac1

remote-as

```
{ remote-as <asn> } | { { no | default } remote-as [ <asn> ] }
```

Syntax Description

| Syntax Description | | |
|--------------------|--|--|
| no | | Negate a command or set its defaults |
| default | | Inherit values from a peer template |
| remote-as | | Specify Autonomous System Number of the neighbor |
| asn | | Autonomous System Number |

Command Mode

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

remote

```
remote { { ip address { <ipaddress> } | hostname <host_name> } [ port <port_no> ] [ vrf { <vrf-name> |
<vrf-known-name> } ] | port <port_no> | vrf { <vrf-name> | <vrf-known-name> } } | no remote { ip address
| hostname | port }
```

Syntax Description

Syntax Description

| | |
|-----------------------|--|
| no | Negate a command or set its defaults |
| remote | Configure remote machine information |
| ip | Configure IP features |
| address | Configure IP address |
| <i>ipaddress</i> | Enter ipv4 address information |
| hostname | Configure remote host name |
| <i>host_name</i> | Enter name of the remote host |
| port | (Optional) Configure remote host tcp port |
| <i>port_no</i> | (Optional) Configure the host tcp port number |
| vrf | (Optional) vrf via which the vCenter Server is reachable |
| <i>vrf-name</i> | (Optional) Specify the vrf-name |
| <i>vrf-known-name</i> | (Optional) Known VRF name |

Command Mode

- /exec/configure/vmt-conn

remove-private-as

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

Syntax Description

| 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

remove-routes vni

```
remove-routes vni <vni-id>
```

Syntax Description

Syntax Description

```
remove-routes NVE Peer
```

```
vni          Virtual Network  
             Identifier
```

```
vni-id     VNI
```

Command Mode

- /exec/configure/if-nve

remove cli commands

remove cli commands <filename>

Syntax Description

Syntax Description

remove remove

cli cli

commands commands

filename filename

Command Mode

- /exec

reoptimize events link-up

[no] reoptimize events link-up | no reoptimize timers { delay { cleanup | installation } | frequency } | reoptimize timers { delay { cleanup <clean_sec> | installation <inst_sec> } | frequency <freq_sec> }

Syntax Description

Syntax Description

| | |
|------------------|---|
| no | (Optional) Negate a command or set its defaults |
| reoptimize | Reoptimization parameters |
| events | Reoptimization triggers |
| link-up | Reoptimize tunnels on link up events |
| timers | Reoptimization timers |
| delay | Delay reoptimization action |
| cleanup | Delay cleanup of reoptimized LSP |
| <i>clean_sec</i> | seconds to delay cleanup of replaced tunnel LSP |
| installation | Delay replacement of current LSP by reoptimized LSP |
| <i>inst_sec</i> | seconds to delay replacement of tunnel LSP |
| frequency | Interval between reoptimization scans |
| <i>freq_sec</i> | seconds between reoptimizations (0 disables reoptimization) |

Command Mode

- /exec/configure/te

replay-protection

[no] replay-protection

Syntax Description

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

replication-server

[no] replication-server <addr>

Syntax Description

| | | |
|---------------------------|--------------------|---|
| Syntax Description | <i>no</i> | (Optional) Negate a command or set its defaults |
| | replication-server | Configure a replication server |
| | <i>addr</i> | Replication Server IP Address |

Command Mode

- /exec/configure/if-nve

report

report

Syntax Description

Syntax Description

report Show trigger
report

Command Mode

- /exec/elamns/se13

report

report

Syntax Description

Syntax Description

report Show trigger
report

Command Mode

- /exec/elamns/sel4

report

report

Syntax Description

Syntax Description

report Show trigger
report

Command Mode

- /exec/elamns/se15

report

report

Syntax Description

Syntax Description

report Show trigger
report

Command Mode

- /exec/elamns/sel6

report

report

Syntax Description

Syntax Description

report Show trigger
report

Command Mode

- /exec/elamns/sel7

report

report

Syntax Description

Syntax Description

report Show trigger
report

Command Mode

- /exec/eamns/outsel0

report

report

Syntax Description

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

| | |
|---------------------------|--|
| 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

| 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

| | |
|---------------------------|--|
| 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

| 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

Syntax Description

`reset` Reset Trigger conditions

Command Mode

- /exec/elamns/sel3

reset

reset

Syntax Description

Syntax Description

`reset` Reset Trigger conditions

Command Mode

- /exec/elamns/se14

reset

reset

Syntax Description

Syntax Description

`reset` Reset Trigger conditions

Command Mode

- /exec/elamns/sel5

reset

reset

Syntax Description

Syntax Description

`reset` Reset Trigger conditions

Command Mode

- /exec/elamns/sel6

reset

reset

Syntax Description

Syntax Description

`reset` Reset Trigger conditions

Command Mode

- /exec/elamns/sel7

reset

reset

Syntax Description

Syntax Description

`reset` Reset Trigger conditions

Command Mode

- /exec/elamns/outsel0

reset

reset

Syntax Description

Syntax Description

`reset` Reset Trigger conditions

Command Mode

- /exec/elamns/outsel5

restart amt

restart amt

Syntax Description

Syntax Description

restart Manually restart a component

amt Restart the AMT multicast routing protocol

Command Mode

- /exec

restart bgp

```
restart bgp <as>
```

Syntax Description

| Syntax Description | |
|----------------------|-------------------------------|
| <code>restart</code> | Manually restart a component |
| <code>bgp</code> | Border Gateway Protocol (BGP) |
| <code>as</code> | Autonomous |

Command Mode

- /exec

restart ecp

restart ecp

Syntax Description

Syntax Description

restart Manually restart
ECP

ecp Restart ECP

Command Mode

- /exec

restart eigrp

```
restart eigrp <eigrp-ptag>
```

Syntax Description

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

Command Mode

- /exec

restart igmp

restart igmp

Syntax Description

Syntax Description

restart Manually restart a component

igmp Restart the IGMP multicast routing protocol

Command Mode

- /exec

restart isis

restart isis <tag>

Syntax Description

Syntax Description

restart Manually restart a component

isis Intermediate System to Intermediate System (IS-IS)

tag Routing process tag

Command Mode

- /exec

restart l3vm

restart l3vm

Syntax Description

Syntax Description

restart Manually restart a component

l3vm Display VRF information

Command Mode

- /exec

restart lisp

restart lisp

Syntax Description

Syntax Description

restart Manually restart a component

lisp Restart the LISP Locator/ID Separation Protocol

Command Mode

- /exec

restart msdp

restart msdp

Syntax Description

Syntax Description

restart Manually restart a component

msdp Restart the MSDP multicast routing protocol

Command Mode

- /exec

restart orib

restart orib

Syntax Description

Syntax Description

restart Manually restart a component

orib OTV RIB (ORIB)

Command Mode

- /exec

restart ospf

```
restart ospf <tag>
```

Syntax Description

Syntax Description

restart Manually restart a component

ospf Open Shortest Path First (OSPF)

tag Process tag

Command Mode

- /exec

restart ospfv3

```
restart ospfv3 <tag>
```

Syntax Description

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

Command Mode

- /exec

restart otv-isis

restart otv-isis <tag>

Syntax Description

Syntax Description

restart Manually restart a component

otv-isis Intermediate System to Intermediate System (IS-IS)

tag Routing process tag

Command Mode

- /exec

restart otv

restart otv

Syntax Description

Syntax Description

restart Manually restart a component

otv Overlay Transport Virtualization (OTV)

Command Mode

- /exec

restart pim

restart pim

Syntax Description

Syntax Description

restart Manually restart a component

pim Restart the PIM multicast routing protocol

Command Mode

- /exec

restart pim6

restart pim6

Syntax Description

Syntax Description

restart Manually restart a component

pim6 Restart the PIM6 multicast routing protocol

Command Mode

- /exec

restart pim stateless

restart pim stateless

Syntax Description

Syntax Description

restart Manually restart a component

pim Restart the PIM multicast routing protocol

stateless Restart PIM in stateless mode

Command Mode

- /exec

restart rip

restart rip <tag>

Syntax Description

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

Command Mode

- /exec

restart rpm

restart rpm

Syntax Description

Syntax Description

restart Manually restart a component

rpm Route Policy Manager
(RPM)

Command Mode

- /exec

restart rsvp

restart rsvp

Syntax Description

Syntax Description

restart Manually restart a process

rsvp RSVP process

Command Mode

- /exec

resync-database

resync-database

Syntax Description

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

| 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-l2vpn-evpn

retain route-target all

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

Syntax Description

| 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

| | | |
|---------------------------|---------------------|--------------------------------------|
| 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

| 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

retransmit-interval

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

Syntax Description

| | | |
|---------------------------|----------------------------|--------------------------------------|
| 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

revision

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

Syntax Description

Syntax Description

no Negate a command or set its defaults

revision Set configuration revision number

rev-id Configuration revision number

Command Mode

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

revocation-check crl

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

Syntax Description

| 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 |
| none | Configure revocation check using none |

Command Mode

- /exec/configure/trustpoint

rewrite-evpn-rt-asn

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

Syntax Description

| 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 in EVPN AF |

Command Mode

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

rfc1583compatibility

[no] rfc1583compatibility

Syntax Description

| Syntax Description | |
|----------------------|--|
| no | (Optional) Negate a command or set its defaults |
| rfc1583compatibility | Configure 1583 compatibility for external path preferences |

Command Mode

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

rip shutdown

[no] rip shutdown

Syntax Description

| 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

Syntax Description

rmdir Delete a directory

uri0 Delete a directory

uri1 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

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

| 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

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

| | | |
|---------------------------|--------------------|---|
| 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

| | | |
|---------------------------|---------------|---|
| 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

| | |
|---------------------------|---|
| Syntax Description | <i>no</i> (Optional) Negate a command or set its defaults |
| | <i>role</i> Configure roles |
| | <i>name</i> 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

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 progress stats

[no] rollback progress stats

Syntax Description

| Syntax Description | |
|--------------------|--------------------------------|
| no | (Optional) negate the command |
| rollback | Rollback configuration |
| progress | Rollback progress |
| stats | Enable rollback progress stats |

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

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

route-map

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

Syntax Description

| | | |
|---------------------------|-------------------|--|
| 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

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

Syntax Description

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

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

Syntax Description

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

| 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

| 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

| 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

| 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

route-reflector-client

[no | default] route-reflector-client

Syntax Description

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

route-target both auto

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

Syntax Description

| 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 |
| <i>ext-comm-rt-aa2nn4</i> | | RT extcommunity in aa:nn format |
| <i>ext-comm-rt-aa4nn2</i> | | RT extcommunity in aa4:nn or ip:nn format |

Command Mode

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

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

| 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-aa2nn4</i> | | RT extcommunity in aa:nn format |
| <i>ext-comm-rt-aa4nn2</i> | | RT extcommunity in aa4:nn or ip:nn format |

Command Mode

- /exec/configure/evpn/evi

route-target export

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

Syntax Description

| 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 |
| <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 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

| 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-aa2nn4</i> | | RT extcommunity in aa:nn format |
| <i>ext-comm-rt-aa4nn2</i> | | RT extcommunity in aa4:nn or ip:nn format |

Command Mode

- /exec/configure/evpn/evi

route-target import

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

Syntax Description

| 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 |
| <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

| 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-aa2nn4</i> | | RT extcommunity in aa:nn format |
| <i>ext-comm-rt-aa4nn2</i> | | RT extcommunity in aa4:nn or ip:nn format |

Command Mode

- /exec/configure/evpn/evi

route delete dampen interval

[no] route delete dampen interval <time>

Syntax Description

Syntax Description

| | |
|----------|---|
| no | (Optional) Negate a command or set its defaults |
| route | Display routing information |
| delete | Dampen route delete update to hardware |
| dampen | Dampen update to hardware |
| interval | Dampen interval |
| time | Dampen interval in seconds |

Command Mode

- /exec/configure

router-id

[no] router-id <router-id>

Syntax Description

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

Command Mode

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

router-id

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

Syntax Description

| | | |
|---------------------------|-----------|--------------------------------------|
| 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

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

Syntax Description

| 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

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

Syntax Description

| | | |
|---------------------------|-----------|--------------------------------------|
| 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

Syntax Description

| | |
|-----------|--|
| no | Negate a command or set its defaults |
| eigrp | (Optional) EIGRP router configuration commands |
| 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 bgp

[no] router bgp <as>

Syntax Description

| Syntax Description | |
|--------------------|---|
| no | (Optional) Negate a command or set its defaults |
| router | Enable a routing process |
| bgp | Border Gateway Protocol (BGP) |
| as | Autonomous |

Command Mode

- /exec/configure

router eigrp

[no] router eigrp <eigrp-ptag>

Syntax Description

| 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

Syntax Description

no (Optional) Negate a command or set its defaults

router Enable a routing process

isis Intermediate System to Intermediate System (IS-IS)

tag Routing process tag

Command Mode

- /exec/configure

router ospf

[no] router ospf <tag>

Syntax Description

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

Command Mode

- /exec/configure

router ospfv3

[no] router ospfv3 <tag>

Syntax Description

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

Command Mode

- /exec/configure

router rip

[no] router rip <tag>

Syntax Description

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

Command Mode

- /exec/configure

routing-context vrf

```
routing-context vrf <vrf-known-name>
```

Syntax Description

| 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

routing ipv4 unicast nexthop-sorting

[no] routing ipv4 unicast nexthop-sorting

Syntax Description

| Syntax Description | | |
|--------------------|------------|--------------------------------------|
| no | (Optional) | Negate a command or set its defaults |
| routing | | Routing events |
| ipv4 | | IP events |
| unicast | | unicast |
| nexthop-sorting | | Sort nhs while storing |

Command Mode

- /exec/configure

routing ipv6 unicast nexthop-sorting

[no] routing ipv6 unicast nexthop-sorting

Syntax Description

| Syntax Description | | |
|--------------------|------------------------|--------------------------------------|
| no | (Optional) | Negate a command or set its defaults |
| routing | | Routing events |
| ipv6 | | Configure IPv6 features |
| unicast | unicast | |
| nexthop-sorting | Sort nhs while storing | |

Command Mode

- /exec/configure

rsakeypair

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

Syntax Description

| | | |
|---------------------------|------------|---|
| Syntax Description | no | (Optional) Negate a command or set its defaults |
| | rsakeypair | Configure trustpoint rsa key-pair details |
| | s0 | key-pair label |
| | i0 | (Optional) key-pair size |

Command Mode

- /exec/configure/trustpoint

rtr etr eid

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

Syntax Description

| 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

| 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

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

| 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-script

run-script <uri0>

Syntax Description

Syntax Description

run-script Run shell scripts

uri0 Enter script file name

Command Mode

- /exec

run-show-tech-script

run-show-tech-script <s0>

Syntax Description

| | | |
|---------------------------|----------------------|----------------------|
| Syntax Description | run-show-tech-script | Run show tech script |
|---------------------------|----------------------|----------------------|

| | |
|-----------|-------|
| <i>s0</i> | fname |
|-----------|-------|

Command Mode

- /exec

run2 guestshell

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

Syntax Description

| | | |
|---------------------------|-------------------------|-----------------------------------|
| Syntax Description | <code>run2</code> | execute/run program!!! |
| | <code>guestshell</code> | The guest shell Linux-bash |
| | <code>cmd_args</code> | (Optional) The command to execute |

Command Mode

- /exec

run bash

run bash [<cmd>]

Syntax Description

Syntax Description

run execute/run program

bash linux-bash

cmd (Optional) the command to execute

Command Mode

- /exec