



## R Commands

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# radius-provider-group

**radius-provider-group** <arg>

**Description:** Set radius provider group

**Syntax:**

<i>arg</i>	
------------	--

**Command Mode:** policy-map type port-authentication : Create node level port authentication policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# policy-map type port-authentication <WORD>
(config-pmap-port-authentication)# radius-provider-group <>
```

# radius-server host

**radius-server host** <A.B.C.D|A:B::C:D|WORD>

**Description:** RADIUS server's DNS name or its IP address

**Syntax:**

<i>A.B.C.D/A:B::C:D/WORD</i>	Provide a hostname or IPV4/IPV6 address
------------------------------	---

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
```

# radius-server retries

**radius-server retries** <NUMBER>

**Description:** Global RADIUS server retransmit count

**Syntax:**

<0-5>	Global RADIUS server retransmit count. Number range from=0 to=5
-------	---

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# radius-server retries <NUMBER>
```

# radius-server timeout

**radius-server timeout** <NUMBER>

**Description:** Global RADIUS server timeout period in seconds

**Syntax:**

<1-60>	Global RADIUS server timeout period in seconds. Number range from=1 to=60
--------	---

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# radius-server timeout <NUMBER>
```

# rate

**rate** <arg>

**Description:** Set rate and burst-rate (Byte Per Second)

**Syntax:**

<i>arg</i>	. Number range from=10 to=4398046510080
------------	---

**Command Mode:** policy-protocol : Create policy protocol

**Command Path:**

```
# configure [['terminal', 't']]
(config)# policy-map type control-plane-if <WORD>
(config-pmap-copp-if)# policy-protocol <WORD>
(config-pmap-copp-if)# rate <>
```

# rbac role

**rbac role** <WORD>

**Description:** Create AAA role, attributes and privileges for user authorization

**Syntax:**

<i>WORD</i>	Provide AAA Security domain role name (Max Size 32)
-------------	---

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]  
(config)# rbac role <WORD>
```

# rbac rule

**rbac rule** <DN> <WORD>

**Description:** Create RBAC rule, security domain users can read subtree starting at specific object

**Syntax:**

<i>DN</i>	Provide RBAC Rule ObjectDN string
<i>WORD</i>	Provide RBAC Rule domain name (Max Size None)

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# rbac rule <DN> <WORD>
```

# rbac security-domain

**rbac security-domain <WORD>**

**Description:** Create AAA security domain for processing authentication requests.

**Syntax:**

<i>WORD</i>	Provide AAA Security domain name (Max Size 32)
-------------	--

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# rbac security-domain <WORD>
```

# readerr

**readerr** <500-2000>

**Description:** Set readErr for ssd flash config

**Syntax:**

<500-2000>	readErr
------------	---------

**Command Mode:** flash-config : Configure SSD Flash Config policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# flash-config <WORD>
(config-flash-config)# readerr <500-2000>
```

# realm

## realm <realm>

**Description:** Specify server realm

**Syntax:**

<realm>	<realm>
---------	---------

**Command Mode:** aaa authentication login console : Configure console methods

**Command Path:**

```
# configure [['terminal', 't']]
(config)# aaa authentication login console
(config-console)# realm <realm>
```

## realm <realm>

**Description:** Specify server realm

**Syntax:**

<realm>	<realm>
---------	---------

**Command Mode:** aaa authentication login default : Configure default methods

**Command Path:**

```
# configure [['terminal', 't']]
(config)# aaa authentication login default
(config-default)# realm <realm>
```

## realm <realm>

**Description:** Specify server realm

**Syntax:**

<realm>	<realm>
---------	---------

**Command Mode:** aaa authentication login domain : Configure domain methods

**Command Path:**

```
# configure [['terminal', 't']]
(config)# aaa authentication login domain <WORD>
(config-domain)# realm <realm>
```

# reconcile-dhcp-pool

**reconcile-dhcp-pool** <NUMBER> [['recover', 'fix']]

**Description:** Reconcile dhcp pool with IdMgr

**Syntax:**

<1-64>	Controller id. Number range from=1 to=64
recover	(Optional) Recover
fix	(Optional) Fix

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# reconcile-dhcp-pool <NUMBER> [['recover', 'fix']]
```

# record

## record <WORD>

**Description:** Assign Netflow Record to the Monitor

**Syntax:**

<i>WORD</i>	Monitor Name (Max Size 64)
-------------	----------------------------

**Command Mode:** flow monitor : Configure Netflow Monitor

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow monitor <WORD>
(config-tn-flow-monitor)# record <WORD>
```

## record <WORD>

**Description:** Assign Netflow Record to the Monitor

**Syntax:**

<i>WORD</i>	Monitor Name (Max Size 64)
-------------	----------------------------

**Command Mode:** flow monitor : Configure Netflow Monitor

**Command Path:**

```
# configure [['terminal', 't']]
(config)# flow monitor <WORD>
(config-flow-monitor)# record <WORD>
```

# recurring

**recurring window <WORD>**

**Description:** Recurring window configuration mode

**Syntax:**

window	Configure a schedule window
<i>WORD</i>	Window name (Max size 31)

**Command Mode:** scheduler : Scheduler configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
```

# redir-dest

**redir-dest** <A.B.C.D|A:B::C:D> <XX:XX:XX:XX:XX:XX>

**Description:** Set ip and mac for service redirect destination

**Syntax:**

<i>A.B.C.D A:B::C:D</i>	IP address of the device
<i>XX:XX:XX:XX:XX:XX</i>	virtual mac address

**Command Mode:** svcredir-pol : Configure L4L7 service redirection policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# redir-dest <A.B.C.D|A:B::C:D> <XX:XX:XX:XX:XX:XX>
```

# redirect-health-group

**redirect-health-group <WORD>**

**Description:** Configure Redirect Health Group

**Syntax:**

<i>WORD</i>	Redirect HealthGroup name (Max Size 64)
-------------	---

**Command Mode:** tenant : Tenant configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# redirect-health-group <WORD>
```

# redirect

## redirect

**Description:** Enable the state of the HTTP redirect state

**Command Mode:** http : HTTP communication policy group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# redirect
```

# redistrib-metric

## redistrib-metric <NUMBER>

**Description:** Set the configuration of ISIS metric for redistributed routes

**Syntax:**

<1-63>	The configuration of ISIS metric for redistributed routes. Number range from=1 to=63
--------	--

**Command Mode:** isis : Intermediate System to Intermediate System (IS-IS)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# isis fabric
(config-pod-isis)# redistrib-metric <NUMBER>
```

## redistrib-metric <NUMBER>

**Description:** Set the configuration of ISIS metric for redistributed routes

**Syntax:**

<1-63>	The configuration of ISIS metric for redistributed routes. Number range from=1 to=63
--------	--

**Command Mode:** template isis-fabric : InterSystem-InterSystem Protocol (IS-IS)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template isis-fabric <WORD>
(config-template-isis-fabric)# redistrib-metric <NUMBER>
```

# redistribute

**redistribute ospf|eigrp|static|attached-host|direct route-map <WORD>**

**Description:** Redistribute route map

**Syntax:**

ospf	Redistribute OSPF
eigrp	Redistribute EIGRP
static	Redistribute Static Routes
attached-host	Redistribute Attached Host Routes
direct	Redistribute Direct Routes
route-map	Route map to redistribute to
<i>WORD</i>	Route Map Name (Max Size 63)

**Command Mode:** vrf : Virtual Router Context

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# redistribute ospf|eigrp|static|attached-host|direct route-map <WORD>
```

**redistribute ospf|eigrp|static|attached-host|direct route-map <WORD>**

**Description:** Redistribute route map

**Syntax:**

ospf	Redistribute OSPF
eigrp	Redistribute EIGRP
static	Redistribute Static Routes
attached-host	Redistribute Attached Host Routes
direct	Redistribute Direct Routes
route-map	Route map to redistribute to
<i>WORD</i>	Route Map Name (Max Size 63)

**Command Mode:** vrf : Virtual Router Context

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# redistribute ospf|eigrp|static|attached-host|direct route-map <WORD>
```

# redundancy-mode

**redundancy-mode combined|ps-redundant|redundant**

**Description:** Configure power supply redundancy mode

**Syntax:**

combined	Combined mode to use output of all available PS
ps-redundant	PS redundant mode (N+1) to enable power output redundancy
redundant	Redundant mode (N+N) for a single PS to power the system

**Command Mode:** power : Create a power supply redundancy policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# power redundancy-policy <WORD>
(config-power)# redundancy-mode combined|ps-redundant|redundant
```

# region

**region** <WORD>

**Description:** STP MST region configuration mode

**Syntax:**

<i>WORD</i>	MST region name
-------------	-----------------

**Command Mode:** spanning-tree : STP MST configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spanning-tree mst configuration
(config-stp)# region <WORD>
```

# reload controller

**reload controller** <NUMBER>

**Description:** Reload controller

**Syntax:**

<1-64>	Controller id. Number range from=1 to=64
--------	--

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# reload controller <NUMBER>
```

# reload switch

**reload switch** <NUMBER>

**Description:** Reload switch

**Syntax:**

<101-4000>	Switch id. Number range from=101 to=4000
------------	--

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# reload switch <NUMBER>
```

## remote-as

### remote-as <NUMBER>

**Description:** Specify Autonomous System Number of the neighbor

**Syntax:**

<1-4294967295>	The Remote autonomous system number. Number range from=1 to=4294967295
----------------	--

**Command Mode:** neighbor : Configure a BGP neighbor

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# remote-as <NUMBER>
```

### remote-as <NUMBER>

**Description:** Specify Autonomous System Number of the neighbor

**Syntax:**

<1-4294967295>	The Remote autonomous system number. Number range from=1 to=4294967295
----------------	--

**Command Mode:** neighbor : Configure a BGP neighbor

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# remote-as <NUMBER>
```

# remote-dest

**remote-dest** <A.B.C.D|A:B::C:D|WORD> port <port>

**Description:** TACACS Accounting remote destination's DNS name or its IP address

**Syntax:**

<i>A.B.C.D A:B::C:D WORD</i>	TACACS+ server's DNS name or its IP address
<i>port</i>	port number for the remote destination
<i>port</i>	Tacacs server port for accounting logs. Number range from=1 to=65535

**Command Mode:** tacacslog-group : configure tacacs group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tacacslog-group <WORD>
(config-tacacslog-group)# remote-dest <A.B.C.D|A:B::C:D|WORD> port <port>
```

# remote

## remote path <WORD>

**Description:** Remote path configuration mode

### Syntax:

path	Configure remote path
<i>WORD</i>	Remote path configuration name

**Command Mode:** configure : Configuration Mode

### Command Path:

```
# configure [['terminal', 't']]
(config)# remote path <WORD>
```

## remote path <WORD>

**Description:** Set the remote path configuration will get downloaded from

### Syntax:

path	Assign remote path
<i>WORD</i>	Remote path name

**Command Mode:** snapshot download : Configuration snapshot download setup mode

### Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot download <WORD>
(config-download)# remote path <WORD>
```

## remote path <WORD>

**Description:** Set the remote path configuration will get exported to

### Syntax:

path	Configure remote path
<i>WORD</i>	Remote path name

**Command Mode:** snapshot export : Configuration export setup mode

### Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot export <WORD>
```

```
(config-export)# remote path <WORD>
```

### remote path <WORD>

**Description:** Set the remote path configuration will get imported from

#### Syntax:

path	Assign remote path
<i>WORD</i>	Remote path name

**Command Mode:** snapshot import : Configuration import setup mode

#### Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot import <WORD>
(config-import)# remote path <WORD>
```

### remote path <WORD>

**Description:** Set the remote path configuration will get uploaded to

#### Syntax:

path	Assign remote path
<i>WORD</i>	Remote path name

**Command Mode:** snapshot upload : Configuration snapshot upload setup mode

#### Command Path:

```
# configure [['terminal', 't']]
(config)# snapshot upload <WORD>
(config-upload)# remote path <WORD>
```

# replace-controller replace

**replace-controller replace** <NUMBER> <standby-serial>

**Description:** Replace active controller with standby

**Syntax:**

<1-64>	Controller ID. Number range from=1 to=64
<standby-serial>	Backup serial number

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# replace-controller replace <NUMBER> <standby-serial>
```

# replace-controller reset

**replace-controller reset <NUMBER>**

**Description:** Reset failover status of controller

**Syntax:**

<1-64>	Controller ID. Number range from=1 to=64
--------	--

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# replace-controller reset <NUMBER>
```

# req-data-size

**req-data-size** <NUMBER>

**Description:** Configure Request Data Size for IPSLA Monitoring Policy

**Syntax:**

<16-17512>	Configure Request Data Size for IPSLA Monitoring Policy. Number range from=16 to=17512
------------	--

**Command Mode:** ipsla-pol : Configure IPSLA Monitoring Policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# ipsla-pol <WORD>
(config-ipsla-pol)# req-data-size <NUMBER>
```

# request-status-count

## request-status-count <NUMBER>

**Description:** Set the maximum count of HTTP requests to track.

**Syntax:**

<code>&lt;count&gt;</code>	Set the maximum count of HTTP requests to track.. Number range from=0 to=1024
----------------------------	---

**Command Mode:** http : HTTP communication policy group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# http
(config-http)# request-status-count <NUMBER>
```

## request-status-count <NUMBER>

**Description:** Set the maximum count of HTTPS requests to track

**Syntax:**

<code>&lt;count&gt;</code>	Set the maximum count of HTTPS requests to track.. Number range from=0 to=1024
----------------------------	--

**Command Mode:** https : HTTPS communication policy group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# https
(config-https)# request-status-count <NUMBER>
```

# reset-to-factory

## reset-to-factory

**Description:** Reset role to factory default privileges

**Command Mode:** rbac role : Create AAA role, attributes and privileges for user authorization

### Command Path:

```
# configure [['terminal', 't']]
(config)# rbac role <WORD>
(config-role)# reset-to-factory
```

# response-incl

## response-incl <respincl>

**Description:** Configure response subtree which needs to be included

**Syntax:**

<respincl>	The response subtree to be included
------------	-------------------------------------

**Command Mode:** query : Configure Query profile Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# response-incl <respincl>
```

## response-incl <respincl>

**Description:** Configure response subtree which needs to be included

**Syntax:**

<respincl>	The response subtree to be included
------------	-------------------------------------

**Command Mode:** query : Configure Query profile Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# response-incl <respincl>
```

# response-subtree

## response-subtree no|children|full

**Description:** Configure response-subtree

**Syntax:**

no	No
children	Children
full	Full

**Command Mode:** query : Configure Query profile Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# response-subtree no|children|full
```

## response-subtree no|children|full

**Description:** Configure response-subtree

**Syntax:**

no	No
children	Children
full	Full

**Command Mode:** query : Configure Query profile Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# response-subtree no|children|full
```

# retransmit-interval

**retransmit-interval <NUMBER>**

**Description:** Set the interval between LSA retransmissions

**Syntax:**

<1-65535>	Interval in seconds. Number range from=1 to=65535
-----------	---

**Command Mode:** template ospf interface-policy : Configure OSPF Interface Policy Templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# retransmit-interval <NUMBER>
```

**retransmit-interval <NUMBER>**

**Description:** Set the interval between LSA retransmissions

**Syntax:**

<1-65535>	Interval in seconds. Number range from=1 to=65535
-----------	---

**Command Mode:** template ospf interface-policy : Configure OSPF Interface Policy Templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf interface-policy <WORD> tenant <WORD>
(config-interface-policy)# retransmit-interval <NUMBER>
```

# retries

## retries <NUMBER>

**Description:** LDAP server retries for authentication

**Syntax:**

<0-5>	LDAP server retries for authentication. Number range from=0 to=5
-------	--

**Command Mode:** ldap-server host : LDAP server DNS name or IP address

**Command Path:**

```
# configure [['terminal', 't']]
(config)# ldap-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# retries <NUMBER>
```

## retries <0-5>

**Description:** RADIUS server retries for authentication

**Syntax:**

<0-5>	RADIUS server retries for authentication
-------	--

**Command Mode:** radius-server host : RADIUS server's DNS name or its IP address

**Command Path:**

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# retries <0-5>
```

## retries <0-5>

**Description:** RSA server retries for authentication

**Syntax:**

<0-5>	RSA server retries for authentication
-------	---------------------------------------

**Command Mode:** rsa-server host : RSA server's DNS name or its IP address

**Command Path:**

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# retries <0-5>
```

**retries <NUMBER>**

**Description:** TACACS server retries for authentication

**Syntax:**

<0-5>	TACACS server retries for authentication. Number range from=0 to=5
-------	--

**Command Mode:** tacacs-server host : TACACS+ server's DNS name or its IP address

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tacacs-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# retries <NUMBER>
```

# reverse-port

## reverse-port

**Description:** Decide if the ports should be reverted on filters of type both

**Command Mode:** subject : Configuration a subject on the contract

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# contract <WORD> [type <type>]
(config-tenant-contract)# subject <WORD>
(config-tenant-contract-subj)# reverse-port
```

# revision

**revision** <NUMBER>

**Description:** Set the MST region revision number

**Syntax:**

<0-65535>	MST region revision number. Number range from=0 to=65535
-----------	--

**Command Mode:** region : STP MST region configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spanning-tree mst configuration
(config-stp)# region <WORD>
(config-stp-region)# revision <NUMBER>
```

# rfc-compliant

## rfc-compliant true|false

**Description:** Configure the rfc compliance

**Syntax:**

true	Enable rfc compliance
false	Disable rfc compliance

**Command Mode:** destination : Configure destination Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# rfc-compliant true|false
```

## rfc-compliant true|false

**Description:** Configure the rfc compliance

**Syntax:**

true	Enable rfc compliance
false	Disable rfc compliance

**Command Mode:** destination : Configure destination Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# destination <WORD>
(config-callhome-destnprof-destn)# rfc-compliant true|false
```

# rhev-domain

**rhev-domain** <WORD> [delimiter <WORD>]

**Description:** Create a VMM Redhat Domain

**Syntax:**

WORD	VMM Redhat Domain name
WORD	(Optional) Custom Delimiter

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# rhv-domain <WORD> [delimiter <WORD>]
```

**rhev-domain member** <WORD> [encap <WORD>] [primary-encap <WORD>] [deploy <WORD>] [push <WORD>] [delimiter <WORD>]

**Description:** Associate EPG to a Redhat Domain

**Syntax:**

member	Bind the EPG to a Redhat domain
WORD	Redhat Domain Name
WORD	(Optional) Enforce encap value. Secondary encap when EPG is isolated (For example vlan-10 or auto)
WORD	(Optional) Primary encap when EPG is isolated (For example vlan-11 or auto)
WORD	(Optional) Deployment mode
WORD	(Optional) Push mode
WORD	(Optional) Custom Delimiter

**Command Mode:** epq : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epq <WORD> [type <WORD>]
(config-tenant-app-epq)# rhv-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
[deploy <WORD>] [push <WORD>] [delimiter <WORD>]
```

# rhev

**rhev <arg> datacenter <WORD>**

**Description:** Configure an RHEV controller in the Redhat domain

**Syntax:**

<i>arg</i>	
datacenter	Datacenter Name
<i>WORD</i>	Datacenter Name

**Command Mode:** rhv-domain : Create a VMM Redhat Domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# rhv-domain <WORD> [delimiter <WORD>]
(config-redhat)# rhv <> datacenter <WORD>
```

# role

## role <WORD>

**Description:** Create the AAA domain role to set privilege bitmask of a user domain

### Syntax:

<i>WORD</i>	User role
-------------	-----------

**Command Mode:** domain : Create the AAA domain to which the user belongs.

### Command Path:

```
# configure [['terminal', 't']]
(config)# username <WORD>
(config-username)# domain <WORD>
(config-domain)# role <WORD>
```

## role <WORD>

**Description:** Create the AAA domain role to set privilege bitmask of a user domain

### Syntax:

<i>WORD</i>	User role
-------------	-----------

**Command Mode:** domain : Create the AAA domain to which the Group DN belongs.

### Command Path:

```
# configure [['terminal', 't']]
(config)# ldap-group-map-rule <WORD>
(config-ldap-group-map-rule)# domain <WORD>
(config-domain)# role <WORD>
```

# rotrigger snapshot export

**rotrigger snapshot export <WORD>**

**Description:** Read-only Trigger command for snapshot export

**Syntax:**

<i>WORD</i>	Snapshot export configuration name
-------------	------------------------------------

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# rotrigger snapshot export <WORD>
```

# route-control

## **route-control import|export**

**Description:** Configure Route Control

**Syntax:**

import	Import Control
export	Export Control

**Command Mode:** l3out : Configuration for L3Out

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# route-control import|export
```

# route-map

**route-map <WORD> deny|permit <Sequence to insert to/delete from existing route-map entry>**

**Description:** Configure route-map

**Syntax:**

<i>WORD</i>	Route-map name
deny	deny
permit	permit
<i>Sequence to insert to/delete from existing route-map entry</i>	Sequence to insert to/delete from existing route-map entry. Number range from=0 to=65535

**Command Mode:** tenant : Tenant configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# route-map <WORD> deny|permit <Sequence to insert to/delete from existing route-map entry>
```

**route-map <WORD>**

**Description:** Create route-map or enter route-map command mode

**Syntax:**

<i>WORD</i>	Route-map name (Max Size 64)
-------------	------------------------------

**Command Mode:** vrf : Configure VRF parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
```

**route-map <WORD> in|out**

**Description:** Apply route-map to neighbor

**Syntax:**

<i>WORD</i>	Route Map Name (Max Size 63)
in	Apply policy to incoming routes

out	Apply policy to outgoing routes
-----	---------------------------------

**Command Mode:** neighbor : Configure a BGP neighbor

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# route-map <WORD> in|out
```

**route-map <WORD>**

**Description:** Create route-map or enter route-map command mode

**Syntax:**

WORD	Route-map name (Max Size 64)
------	------------------------------

**Command Mode:** vrf : Configure VRF parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# route-map <WORD>
```

**route-map <WORD> in|out**

**Description:** Apply route-map to neighbor

**Syntax:**

WORD	Route Map Name (Max Size 63)
in	Apply policy to incoming routes
out	Apply policy to outgoing routes

**Command Mode:** neighbor : Configure a BGP neighbor

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
(config-leaf-bgp)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-bgp-vrf)# neighbor A.B.C.D|A.B.C.D/LEN|A:B::C:D|A:B::C:D/LEN [evpn] [l3out
<WORD>]
(config-leaf-bgp-vrf-neighbor)# route-map <WORD> in|out
```

**route-map interpod-import****Description:** Import subnet from IPN**Syntax:**

interpod-import	Import subnet from IPN
-----------------	------------------------

**Command Mode:** fabric-external : Intrasite/Intersite Connectivity Profile**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# route-map interpod-import
```

# route-profile

## route-profile <WORD>

**Description:** Configure route-profile

**Syntax:**

<i>WORD</i>	Route profile name
-------------	--------------------

**Command Mode:** vrf : Configuration for vrf

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# route-profile <WORD>
```

## route-profile <WORD>

**Description:** Configure route-profile for bridge-domain

**Syntax:**

<i>WORD</i>	Route profile name
-------------	--------------------

**Command Mode:** interface : Configuration for interface bridge-domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# interface bridge-domain <WORD>
(config-tenant-interface)# route-profile <WORD>
```

## route-profile <WORD> export|import

**Description:** MPLS Label to Route Profile associations

**Syntax:**

<i>WORD</i>	route-profile name (Max Size 64)
export	export
import	import

**Command Mode:** label : MPLS Label to Route Profile and InstP associations

**Command Path:**

```
# configure [['terminal', 't']]
```

```
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# label <WORD>
(config-leaf-vrf-route-map-label)# route-profile <WORD> export|import
```

### route-profile <WORD> export|import

**Description:** MPLS Label to Route Profile associations

#### Syntax:

<i>WORD</i>	route-profile name (Max Size 64)
export	export
import	import

**Command Mode:** label : MPLS Label to Route Profile and InstP associations

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# label <WORD>
(config-leaf-vrf-route-map-label)# route-profile <WORD> export|import
```

# route-reflector

**route-reflector spine <LIST> [description <TEXT>]**

**Description:** Configure BGP route-reflectors

**Syntax:**

spine	Configure Spines as route-reflectors
<i>LIST</i>	Route-reflector spine node name or ID list. Ex. spine1 or 103,105
<i>TEXT</i>	(Optional) Description

**Command Mode:** bgp-fabric : Border Gateway Protocol (BGP)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# bgp-fabric
(config-bgp-fabric)# route-reflector spine <LIST> [description <TEXT>]
```

**route-reflector spine <LIST> [description <TEXT>]**

**Description:** Configure BGP route-reflectors

**Syntax:**

spine	Configure Spines as route-reflectors
<i>LIST</i>	Route-reflector spine node name or ID list. Ex. spine1 or 103,105
<i>TEXT</i>	(Optional) Description

**Command Mode:** bgp : Border Gateway Protocol (BGP)

**Command Path:**

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# bgp fabric
(config-pod-bgp)# route-reflector spine <LIST> [description <TEXT>]
```

# route-target

**route-target <WORD> <WORD>**

**Description:** Route-Target

**Syntax:**

<i>WORD</i>	Route-Target mode
<i>WORD</i>	Route-Target Extended Community in format <AS(4bytes)>:<NN(2bytes)> (Max Size None)

**Command Mode:** address-family : Address Family

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# address-family ipv4|ipv6 unicast
(config-leaf-vrf-af)# route-target <WORD> <WORD>
```

**route-target <WORD> <WORD>**

**Description:** Route-Target

**Syntax:**

<i>WORD</i>	Route-Target mode
<i>WORD</i>	Route-Target Extended Community in format <AS(4bytes)>:<NN(2bytes)> (Max Size None)

**Command Mode:** address-family : Address Family

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# address-family ipv4|ipv6 unicast
(config-leaf-vrf-af)# route-target <WORD> <WORD>
```

**route-target extended <value>**

**Description:** Global EVPN Route Target

**Syntax:**

extended	Route-Target as extended community
<i>value</i>	Community value in aa:nn format

**Command Mode:** fabric-external : Intrasite/Intersite Connectivity Profile

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# route-target extended <value>
```

# router-advertisement-guard-admin-status

**router-advertisement-guard-admin-status enabled|disabled**

**Description:** Config router advertisement administrative status in first hop security bridge domain policy

**Syntax:**

enabled	Enable router advertisement guard
disabled	Disable router advertisement guard

**Command Mode:** security-policy : Configuration for security policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard-admin-status enabled|disabled
```

# router-advertisement-guard

## router-advertisement-guard

**Description:** Configuration for router advertisement guard policy

**Command Mode:** security-policy : Configuration for security policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# security-policy <WORD>
(config-tenant-fhs-secpol)# router-advertisement-guard
```

# router-advertisement

## router-advertisement

**Description:** Config trust router advertisement in trust control policy

**Command Mode:** trust-control : Configuration for trust control policy

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# first-hop-security
(config-tenant-fhs)# trust-control <WORD>
(config-tenant-fhs-trustctrl)# router-advertisement
```

# router-id

**router-id <A.B.C.D|A:B::C:D>**

**Description:** Set router-id for peer l4l7 device

**Syntax:**

<i>A.B.C.D A:B::C:D</i>	IP address for the l4l7 peer
-------------------------	------------------------------

**Command Mode:** rtr-cfg : Configure L4-L7 router configuration parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# rtr-cfg <WORD>
(rtr-cfg)# router-id <A.B.C.D|A:B::C:D>
```

**router-id <A.B.C.D>**

**Description:** Configure Router ID

**Syntax:**

<i>A.B.C.D</i>	Router ID Value
----------------	-----------------

**Command Mode:** vrf : Configure VRF parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# router-id <A.B.C.D>
```

**router-id <A.B.C.D>**

**Description:** Configure Router ID

**Syntax:**

<i>A.B.C.D</i>	Router ID Value
----------------	-----------------

**Command Mode:** vrf : Configure VRF parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
(config-leaf-vrf)# router-id <A.B.C.D>
```

# router bgp

## router bgp <fabric-ASN>

**Description:** Border Gateway Protocol (BGP)

**Syntax:**

<fabric-ASN>	Autonomous System Number
--------------	--------------------------

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
```

## router bgp <fabric-ASN>

**Description:** Border Gateway Protocol (BGP)

**Syntax:**

<fabric-ASN>	Autonomous System Number
--------------	--------------------------

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router bgp <fabric-ASN>
```

# router eigrp

## router eigrp default

**Description:** Enhanced Interior Gateway Routing Protocol (EIGRP)

**Syntax:**

default	EIGRP process tag
---------	-------------------

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
```

## router eigrp default

**Description:** Enhanced Interior Gateway Routing Protocol (EIGRP)

**Syntax:**

default	EIGRP process tag
---------	-------------------

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
```

# router mpls

## router mpls default

**Description:** Multiprotocol Label Switching(MPLS)

**Syntax:**

default	MPLS process tag
---------	------------------

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router mpls default
```

## router mpls default

**Description:** Multiprotocol Label Switching(MPLS)

**Syntax:**

default	MPLS process tag
---------	------------------

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router mpls default
```

# router ospf

## router ospf default|multipod-internal

**Description:** Open Shortest Path First (OSPF and OSPF Version3)

**Syntax:**

default	Process tag for default ospf and ospfv3
multipod-internal	Process tag for multipod-internal ospf (used for forwarding traffic from local leaf across pod to remote leaf in remote pod)

**Command Mode:** leaf : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
```

## router ospf default|multipod-internal

**Description:** Open Shortest Path First (OSPF and OSPF Version3)

**Syntax:**

default	Process tag for default ospf and ospfv3
multipod-internal	Process tag for multipod-internal ospf (used for forwarding traffic from local leaf across pod to remote leaf in remote pod)

**Command Mode:** spine : Configure Spine Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
```

# rsa-server host

**rsa-server host** <A.B.C.D|A:B::C:D|WORD>

**Description:** RSA server's DNS name or its IP address

**Syntax:**

<i>A.B.C.D/A:B::C:D/WORD</i>	Provide a hostname or IPV4/IPV6 address
------------------------------	---

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
```

## rsa-server retries

**rsa-server retries** <NUMBER>

**Description:** Global RSA server retransmit count

**Syntax:**

<0-5>	Global RSA server retransmit count. Number range from=0 to=5
-------	--

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# rsa-server retries <NUMBER>
```

## rsa-server timeout

**rsa-server timeout** <NUMBER>

**Description:** Global RSA server timeout period in seconds

**Syntax:**

<1-60>	Global RSA server timeout period in seconds. Number range from=1 to=60
--------	--

**Command Mode:** configure : Configuration Mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# rsa-server timeout <NUMBER>
```

# rsptime

**rsptime** <NUMBER>

**Description:** Set the requested response time

**Syntax:**

<40-85000>	Set the requested response time. Number range from=40 to=85000
------------	--

**Command Mode:** performance : Nginx Requested Response Time Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# comm-policy <WORD>
(config-comm-policy)# performance
(config-performance)# rsptime <NUMBER>
```

# rtr-cfg

## rtr-cfg <WORD>

**Description:** Configure router configuration association for a L4-L7 service.

### Syntax:

<i>WORD</i>	router configuration name (Max Size 64)
-------------	---

**Command Mode:** service : Configure L4-L7 Service

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l4l7 graph <WORD> [contract <contract-option>]
(config-graph)# service <WORD> [device-cluster-tenant <WORD>] [device-cluster <WORD>] [mode
<Available Modes>] [svcredir <Service Redirection>] [service-type <Service Type>]
(config-service)# rtr-cfg <WORD>
```

## rtr-cfg <WORD>

**Description:** Configure L4-L7 router configuration parameters

### Syntax:

<i>WORD</i>	router configuration name (Max Size 64)
-------------	---

**Command Mode:** tenant : Tenant configuration mode

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# rtr-cfg <WORD>
```

# run-mode

## **run-mode pause-never|pause-on-failure**

**Description:** Set run-mode

**Syntax:**

pause-never	Do not pause on failure
pause-on-failure	Pause upgrade if upgrade of current set of nodes fail

**Command Mode:** switch-group : Create switch firmware upgrade policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# switch-group <WORD>
(config-firmware-switch)# run-mode pause-never|pause-on-failure
```

