



# I Commands

---

- [idle-flow-timeout](#), on page 7
- [immediacy-immediate](#), on page 9
- [import-config](#), on page 10
- [inactivity-timer](#), on page 11
- [inband-mgmt](#), on page 12
- [inband-mgmt epg](#), on page 13
- [inherit-from-epg](#), on page 14
- [inherit](#), on page 16
- [inherit analytics-policy](#), on page 24
- [inherit bfd](#), on page 25
- [inherit bgp](#), on page 26
- [inherit bgp address-family](#), on page 27
- [inherit bgp dampening](#), on page 28
- [inherit dwdm](#), on page 29
- [inherit eigrp](#), on page 32
- [inherit fc-fabric-policy](#), on page 34
- [inherit fc-leaf-policy](#), on page 35
- [inherit hsrp](#), on page 36
- [inherit ipsla](#), on page 37
- [inherit ipv4](#), on page 38
- [inherit ipv6-nd](#), on page 39
- [inherit ipv6](#), on page 41
- [inherit isis-fabric](#), on page 44
- [inherit macsec-fabric](#), on page 45
- [inherit macsec](#), on page 46
- [inherit macsec security-policy auto-key-generation](#), on page 51
- [inherit macsec security-policy keychain](#), on page 52
- [inherit node-control-policy](#), on page 53
- [inherit node-only](#), on page 54
- [inherit ntp-fabric](#), on page 55
- [inherit pod-group](#), on page 56
- [inherit snmp-fabric](#), on page 57
- [inherit twamp-responder-policy](#), on page 58

- [inherit twamp-server-policy](#), on page 59
- [inherit vsan-attribute](#), on page 60
- [inst-pol](#), on page 61
- [instance](#), on page 62
- [interface](#), on page 63
- [interface ethernet](#), on page 66
- [interface fc-port-channel](#), on page 68
- [interface fc](#), on page 69
- [interface inband-mgmt0](#), on page 70
- [interface mgmt0](#), on page 71
- [interface port-channel](#), on page 72
- [interface vfc-po](#), on page 74
- [interface vfc](#), on page 75
- [interface vlan](#), on page 76
- [interface vpc](#), on page 77
- [interpod](#), on page 78
- [ip-filter-action](#), on page 79
- [ip-inspection-admin-status](#), on page 80
- [ip](#), on page 81
- [ip address-range](#), on page 85
- [ip address](#), on page 87
- [ip address tenant application](#), on page 92
- [ip address tenant external-l2](#), on page 94
- [ip address tenant external-l3](#), on page 95
- [ip bandwidth](#), on page 96
- [ip bfd](#), on page 100
- [ip dhcp relay address tenant application](#), on page 103
- [ip dhcp relay address tenant external-l2](#), on page 107
- [ip dhcp relay address tenant external-l3](#), on page 108
- [ip distribute-list eigrp](#), on page 109
- [ip dscp](#), on page 112
- [ip flow](#), on page 114
- [ip hello-interval](#), on page 118
- [ip hold-interval](#), on page 122
- [ip igmp](#), on page 126
- [ip igmp allow-v3-asm](#), on page 127
- [ip igmp fast-leave](#), on page 129
- [ip igmp group-timeout](#), on page 131
- [ip igmp inherit](#), on page 133
- [ip igmp last-member-query-count](#), on page 135
- [ip igmp last-member-query-response-time](#), on page 137
- [ip igmp querier-timeout](#), on page 138
- [ip igmp query-interval](#), on page 140
- [ip igmp query-max-response-time](#), on page 142
- [ip igmp report-link-local-groups](#), on page 144
- [ip igmp report-policy](#), on page 146

- [ip igmp robustness-variable](#), on page 148
- [ip igmp snooping](#), on page 150
- [ip igmp snooping access-group route-map leaf interface ethernet ethernet vlan](#), on page 151
- [ip igmp snooping access-group route-map leaf interface port-channel vlan](#), on page 152
- [ip igmp snooping access-group route-map vpc context interface vpc vlan](#), on page 153
- [ip igmp snooping fast-leave](#), on page 154
- [ip igmp snooping last-member-query-interval](#), on page 155
- [ip igmp snooping policy](#), on page 156
- [ip igmp snooping querier](#), on page 157
- [ip igmp snooping query-interval](#), on page 158
- [ip igmp snooping query-max-response-time](#), on page 159
- [ip igmp snooping startup-query-count](#), on page 160
- [ip igmp snooping startup-query-interval](#), on page 161
- [ip igmp snooping static-group leaf interface ethernet ethernet vlan](#), on page 162
- [ip igmp snooping static-group leaf interface port-channel vlan](#), on page 163
- [ip igmp snooping static-group vpc context interface vpc vlan](#), on page 164
- [ip igmp ssm-translate](#), on page 165
- [ip igmp startup-query-count](#), on page 166
- [ip igmp startup-query-interval](#), on page 168
- [ip igmp state-limit](#), on page 170
- [ip igmp state-limit reserved](#), on page 172
- [ip igmp static-oif](#), on page 175
- [ip igmp version](#), on page 178
- [ip multicast](#), on page 180
- [ip next-hop-self](#), on page 181
- [ip ospf authentication-key](#), on page 184
- [ip ospf authentication](#), on page 186
- [ip ospf bfd](#), on page 189
- [ip ospf cost](#), on page 191
- [ip ospf dead-interval](#), on page 193
- [ip ospf hello-interval](#), on page 196
- [ip ospf inherit](#), on page 198
- [ip ospf mtu-ignore](#), on page 201
- [ip ospf network](#), on page 203
- [ip ospf passive-interface](#), on page 206
- [ip ospf prefix-suppression](#), on page 208
- [ip ospf priority](#), on page 211
- [ip ospf retransmit-interval](#), on page 213
- [ip ospf transmit-delay](#), on page 215
- [ip passive-interface](#), on page 217
- [ip pim](#), on page 220
- [ip pim auto-rp forward](#), on page 221
- [ip pim auto-rp listen](#), on page 222
- [ip pim auto-rp mapping-agent-policy](#), on page 223
- [ip pim border](#), on page 224
- [ip pim bsr bsr-policy](#), on page 226

- ip pim bsr forward, on page 227
- ip pim bsr listen, on page 228
- ip pim dr-delay, on page 229
- ip pim dr-priority, on page 231
- ip pim fabric-rp-address, on page 233
- ip pim fast-convergence, on page 234
- ip pim hello-authentication, on page 235
- ip pim hello-interval, on page 237
- ip pim inherit, on page 239
- ip pim inter-vrf-src, on page 241
- ip pim jp-interval, on page 242
- ip pim jp-policy, on page 244
- ip pim mtu, on page 246
- ip pim neighbor-policy, on page 247
- ip pim passive, on page 249
- ip pim register-rate-limit, on page 251
- ip pim register-source, on page 252
- ip pim rp-address, on page 253
- ip pim sg-expiry-timer, on page 254
- ip pim sparse, on page 255
- ip pim ssm route-map, on page 256
- ip pim state-limit, on page 257
- ip pim state-limit reserved, on page 258
- ip pim strict-rfc-compliant, on page 259
- ip pim use-shared-tree-only, on page 261
- ip prefix-list, on page 262
- ip prefix-list permit le, on page 263
- ip prefix, on page 264
- ip prefix permit le, on page 265
- ip router eigrp, on page 266
- ip router ospf, on page 268
- ip router ospf default, on page 270
- ip shared address consumer, on page 271
- ip shared address provider, on page 272
- ip split-horizon, on page 273
- ip summary-address eigrp, on page 276
- ip throughput-delay, on page 279
- ip ttl, on page 283
- ipdataplanelearning, on page 285
- ipobtainmode, on page 286
- iprange, on page 288
- ipsla-pol, on page 289
- ipv6-router, on page 290
- ipv6, on page 291
- ipv6 address-range, on page 292
- ipv6 address, on page 294

- [ipv6 address tenant application, on page 299](#)
- [ipv6 address tenant external-l2, on page 301](#)
- [ipv6 address tenant external-l3, on page 302](#)
- [ipv6 bandwidth, on page 303](#)
- [ipv6 bfd, on page 306](#)
- [ipv6 dhcp relay address tenant application, on page 309](#)
- [ipv6 dhcp relay address tenant external-l2, on page 310](#)
- [ipv6 dhcp relay address tenant external-l3, on page 311](#)
- [ipv6 distribute-list eigrp, on page 312](#)
- [ipv6 flow, on page 315](#)
- [ipv6 hello-interval, on page 319](#)
- [ipv6 hold-interval, on page 322](#)
- [ipv6 link-local, on page 325](#)
- [ipv6 nd hop-limit, on page 328](#)
- [ipv6 nd managed-config-flag, on page 332](#)
- [ipv6 nd mtu, on page 335](#)
- [ipv6 nd ns-interval, on page 339](#)
- [ipv6 nd ns-retries, on page 343](#)
- [ipv6 nd other-config-flag, on page 347](#)
- [ipv6 nd policy, on page 350](#)
- [ipv6 nd prefix, on page 351](#)
- [ipv6 nd ra-interval, on page 355](#)
- [ipv6 nd ra-lifetime, on page 359](#)
- [ipv6 nd reachable-time, on page 363](#)
- [ipv6 nd retrans-timer, on page 367](#)
- [ipv6 nd suppress-ra-mtu, on page 371](#)
- [ipv6 nd suppress-ra, on page 374](#)
- [ipv6 next-hop-self, on page 377](#)
- [ipv6 ospf bfd, on page 380](#)
- [ipv6 ospf cost, on page 382](#)
- [ipv6 ospf dead-interval, on page 384](#)
- [ipv6 ospf hello-interval, on page 387](#)
- [ipv6 ospf inherit, on page 389](#)
- [ipv6 ospf mtu-ignore, on page 392](#)
- [ipv6 ospf network, on page 394](#)
- [ipv6 ospf passive-interface, on page 397](#)
- [ipv6 ospf prefix-suppression, on page 399](#)
- [ipv6 ospf priority, on page 402](#)
- [ipv6 ospf retransmit-interval, on page 404](#)
- [ipv6 ospf transmit-delay, on page 406](#)
- [ipv6 passive-interface, on page 408](#)
- [ipv6 router eigrp, on page 411](#)
- [ipv6 router ospf default, on page 413](#)
- [ipv6 shared address consumer, on page 416](#)
- [ipv6 shared address provider, on page 417](#)
- [ipv6 split-horizon, on page 418](#)

- [ipv6 summary-address eigrp](#), on page 421
- [ipv6 throughput-delay](#), on page 424
- [isis](#), on page 427
- [isis bfd](#), on page 428
- [isolation](#), on page 429

# idle-flow-timeout

## idle-flow-timeout <idleFlowTimeout>

**Description:** Configure Idle Flow TimeOut

**Syntax:**

<i>idleFlowTimeout</i>	Configure Idle Flow TimeOut. Number range from=10 to=600
------------------------	--

**Command Mode:** flow exporter : Configure NetFlow Exporter Policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
(config-vmware)# configure-dvs
(config-vmware-dvs)# flow exporter <WORD>
(config-vmware-dvs-flow-exporter)# idle-flow-timeout <idleFlowTimeout>
```

## idle-flow-timeout <idleFlowTimeout>

**Description:** Configure Idle Flow TimeOut

**Syntax:**

<i>idleFlowTimeout</i>	Configure Idle Flow TimeOut. Number range from=10 to=600
------------------------	--

**Command Mode:** flow exporter : Configure NetFlow Exporter Policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
(config-vmware)# configure-avs
(config-vmware-avs)# flow exporter <WORD>
(config-None)# idle-flow-timeout <idleFlowTimeout>
```

## idle-flow-timeout <idleFlowTimeout>

**Description:** Configure Idle Flow TimeOut

**Syntax:**

<i>idleFlowTimeout</i>	Configure Idle Flow TimeOut. Number range from=10 to=600
------------------------	--

**Command Mode:** flow exporter : Configure NetFlow Exporter Policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
(config-vmware)# configure-ave
(config-vmware-ave)# flow exporter <WORD>
```

```
(config-None)# idle-flow-timeout <idleFlowTimeout>
```



# immediacy-immediate

## immediacy-immediate enable

**Description:** Enable/disable immediate immediacy on trunk

**Syntax:**

enable	enable
--------	--------

**Command Mode:** trunk-portgroup : Configure a trunk port group in the VMWare domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD> [delimiter <WORD>] [access-mode <access-mode>]
(config-vmware)# trunk-portgroup <>
(config-vmware-trunk)# immediacy-immediate enable
```

# import-config

**import-config** <WORD>

**Description:** Import Configuration

**Syntax:**

<i>WORD</i>	Filename(absolute path)
-------------	-------------------------

**Command Mode:** exec : Exec Mode

**Command Path:**

```
# import-config <WORD>
```

# inactivity-timer

**inactivity-timer <arg>**

**Description:** Inactivity Timer for TWAMP Server

**Syntax:**

<i>arg</i>	Configure Inactivity Timer for TWAMP Server. Number range from=1 to=65535
------------	---

**Command Mode:** template twamp server-policy : Configure twamp server policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template twamp server-policy <WORD>
(config-twamp-server-policy)# inactivity-timer <>
```

# inband-mgmt

## inband-mgmt epg <WORD>

**Description:** Enter Inside In-band management mode to modify inband properties or create new inband

### Syntax:

epg	inband mgmt epg label, usage inband-mgmt epg
<i>WORD</i>	epg name for inband epg, it can be existing inband epg or new one

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

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
```

# inband-mgmt epg

## inband-mgmt epg <WORD>

**Description:** Associate node to a Inband EPG

**Syntax:**

<i>WORD</i>	Inband End Point Group Name (Max Size 64)
-------------	---

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# inband-mgmt epg <WORD>
```

## inband-mgmt epg <WORD>

**Description:** Associate node to a Inband EPG

**Syntax:**

<i>WORD</i>	Inband End Point Group Name (Max Size 64)
-------------	---

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# inband-mgmt epg <WORD>
```

# inherit-from-epg

## inherit-from-epg application <WORD> epg <WORD>

**Description:** EPG settings inheritance

**Syntax:**

application	Application for the EPG where to inherit settings
<i>WORD</i>	Application for the EPG where to inherit settings (Max Size 64)
epg	EPG where to inherit settings
<i>WORD</i>	EPG where to inherit settings (Max Size 64)

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# inherit-from-epg application <WORD> epg <WORD>
```

## inherit-from-epg epg <WORD>

**Description:** EPG settings inheritance

**Syntax:**

epg	EPG where to inherit settings
<i>WORD</i>	EPG where to inherit settings (Max Size 64)

**Command Mode:** external-l3 epg : External L3 EPG configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# inherit-from-epg epg <WORD>
```

## inherit-from-epg epg <WORD>

**Description:** EPG settings inheritance

**Syntax:**

epg	EPG where to inherit settings
<i>WORD</i>	EPG where to inherit settings (Max Size 64)

**Command Mode:** external-l2 : L2 external EPG creation/configuration

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l2 epg <WORD>
(config-tenant-l2ext-epg)# inherit-from-epg epg <WORD>
```

# inherit

## **inherit route-profile <WORD> <WORD>**

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route-profile <WORD> tenant <WORD>
(config-leaf-template-route-profile)# inherit route-profile <WORD> <WORD>
```

## **inherit route-profile <WORD> <WORD>**

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

**Command Path:**

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

## **inherit route-profile <WORD> <WORD>**

**Description:** Inherit a policy template

**Syntax:**



route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** match bridge-domain : Match subnets of a bridge-domain

**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>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

**inherit route-profile <WORD> <WORD>**

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** match prefix-list : Match entries of a prefix-list

**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>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

**inherit route-profile <WORD> <WORD>**

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** match route group : Route group

**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>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

### inherit route tag <WORD>

**Description:** Inherit a policy template

**Syntax:**

route	Policy template for routes
tag	Route tag policy template
<i>WORD</i>	Policy template 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)# inherit route tag <WORD>
```

### inherit group-policy <WORD>

**Description:** Inherit HSRP Group template policy

**Syntax:**

group-policy	Associate the Group with an HSRP Group policy
<i>WORD</i>	Policy name

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# inherit group-policy <WORD>
```

### inherit group-policy <WORD>

**Description:** Inherit HSRP Group template policy

**Syntax:**

group-policy	Associate the Group with an HSRP Group policy
--------------	---

<i>WORD</i>	Policy name
-------------	-------------

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# inherit group-policy <WORD>
```

### inherit eigrp vrf-policy <WORD>

**Description:** Inherit EIGRP VRF Policy under this VRF

**Syntax:**

eigrp	Inherit EIGRP VRF Policy
vrf-policy	Inherit EIGRP VRF Policy
<i>WORD</i>	Policy name

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# inherit eigrp vrf-policy <WORD>
```

### inherit route-profile <WORD> <WORD>

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** template route-profile : Configure route-profile template under tenant for BGP dampening and route redistribution

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route-profile <WORD> tenant <WORD>
```

```
(config-leaf-template-route-profile)# inherit route-profile <WORD> <WORD>
```

### inherit route-profile <WORD> <WORD>

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** template route-profile : Configure route-profile template under VRF/L3Out for bridge-domain export

**Command Path:**

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

### inherit route-profile <WORD> <WORD>

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** match bridge-domain : Match subnets of a bridge-domain

**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>
(config-leaf-vrf-route-map)# match bridge-domain <> [tenant <tenant>]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

### inherit route-profile <WORD> <WORD>

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
---------------	-------------------------

<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** match prefix-list : Match entries of a prefix-list

**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>
(config-leaf-vrf-route-map)# match prefix-list <WORD> [deny]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

**inherit route-profile <WORD> <WORD>**

**Description:** Inherit a policy template

**Syntax:**

route-profile	Configure route-profile
<i>WORD</i>	Route profile name
<i>WORD</i>	route control context name

**Command Mode:** match route group : Route group

**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>
(config-leaf-vrf-route-map)# match route group <> [order <order>] [deny]
(config-leaf-vrf-route-map-match)# inherit route-profile <WORD> <WORD>
```

**inherit route tag <WORD>**

**Description:** Inherit a policy template

**Syntax:**

route	Policy template for routes
tag	Route tag policy template
<i>WORD</i>	Policy template 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)# inherit route tag <WORD>
```

### inherit group-policy <WORD>

**Description:** Inherit HSRP Group template policy

**Syntax:**

group-policy	Associate the Group with an HSRP Group policy
<i>WORD</i>	Policy name

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# inherit group-policy <WORD>
```

### inherit group-policy <WORD>

**Description:** Inherit HSRP Group template policy

**Syntax:**

group-policy	Associate the Group with an HSRP Group policy
<i>WORD</i>	Policy name

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# inherit group-policy <WORD>
```

### inherit eigrp vrf-policy <WORD>

**Description:** Inherit EIGRP VRF Policy under this VRF

**Syntax:**

eigrp	Inherit EIGRP VRF Policy
vrf-policy	Inherit EIGRP VRF Policy
<i>WORD</i>	Policy name

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
(config-eigrp-vrf)# address-family ipv4|ipv6 unicast
(config-address-family)# inherit eigrp vrf-policy <WORD>
```

# inherit analytics-policy

**inherit analytics-policy cluster <WORD> server <WORD>**

**Description:** Associate an analytics policy

**Syntax:**

cluster	Analytics Cluster
<i>WORD</i>	Name of analytics cluster
server	Analytics Server
<i>WORD</i>	Name of analytics policy

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit analytics-policy cluster <WORD> server <WORD>
```

**inherit analytics-policy cluster <WORD> server <WORD>**

**Description:** Associate an analytics policy

**Syntax:**

cluster	Analytics Cluster
<i>WORD</i>	Name of analytics cluster
server	Analytics Server
<i>WORD</i>	Name of analytics policy

**Command Mode:** template spine-policy-group : Configure Spine Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit analytics-policy cluster <WORD> server <WORD>
```



# inherit bfd

**inherit bfd ip|ipv6 <WORD>**

**Description:** BFD Policy

**Syntax:**

ip	IPv4 Address
ipv6	IPv6 Address
<i>WORD</i>	BFD Policy

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit bfd ip|ipv6 <WORD>
```

**inherit bfd ip|ipv6 <WORD>**

**Description:** BFD Policy

**Syntax:**

ip	IPv4 Address
ipv6	IPv6 Address
<i>WORD</i>	BFD Policy

**Command Mode:** template spine-policy-group : Configure Spine Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit bfd ip|ipv6 <WORD>
```

# inherit bgp

## inherit bgp timer <WORD>

**Description:** Inherit VRF specific BGP Timer Policy

**Syntax:**

timer	Inherit BGP Timer Policy
<i>WORD</i>	BGP Template Policy Name (Max Size 64)

**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)# inherit bgp timer <WORD>
```

## inherit bgp timer <WORD>

**Description:** Inherit VRF specific BGP Timer Policy

**Syntax:**

timer	Inherit BGP Timer Policy
<i>WORD</i>	BGP Template Policy Name (Max Size 64)

**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)# inherit bgp timer <WORD>
```

# inherit bgp address-family

**inherit bgp address-family <WORD>**

**Description:** Inherit BGP Address Family Policy

**Syntax:**

<i>WORD</i>	BGP Address Family Policy Name (Max Size 64)
-------------	--

**Command Mode:** address-family : Configure an address-family

**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)# address-family ipv4|ipv6 unicast
(config-leaf-bgp-vrf-af)# inherit bgp address-family <WORD>
```

**inherit bgp address-family <WORD>**

**Description:** Inherit BGP Address Family Policy

**Syntax:**

<i>WORD</i>	BGP Address Family Policy Name (Max Size 64)
-------------	--

**Command Mode:** address-family : Configure an address-family

**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)# address-family ipv4|ipv6 unicast
(config-leaf-bgp-vrf-af)# inherit bgp address-family <WORD>
```

# inherit bgp dampening

## inherit bgp dampening <WORD>

**Description:** Inherit Route Profile with BGP Dampening Policy

**Syntax:**

<i>WORD</i>	Route Profile with BGP Dampening Policy Name (Max Size 64)
-------------	--

**Command Mode:** address-family : Configure an address-family

**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)# address-family ipv4|ipv6 unicast
(config-leaf-bgp-vrf-af)# inherit bgp dampening <WORD>
```

## inherit bgp dampening <WORD>

**Description:** Inherit Route Profile with BGP Dampening Policy

**Syntax:**

<i>WORD</i>	Route Profile with BGP Dampening Policy Name (Max Size 64)
-------------	--

**Command Mode:** address-family : Configure an address-family

**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)# address-family ipv4|ipv6 unicast
(config-leaf-bgp-vrf-af)# inherit bgp dampening <WORD>
```

# inherit dwdm

## inherit dwdm interface-policy <WORD> <NUMBER>

**Description:** DWDM interface policy

**Syntax:**

interface-policy	Inherit DWDM interface-policy
<i>WORD</i>	interface policy name (Max Size 64)
<1-96>	dwdmChannelNumber. Number range from=1 to=96

**Command Mode:** template fabric-interface-policy-group : Configure Leaf Fabric Interface Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template fabric-interface-policy-group <WORD>
(leaf-fab-pol-grp)# inherit dwdm interface-policy <WORD> <NUMBER>
```

## inherit dwdm interface-policy <WORD> <NUMBER>

**Description:** DWDM interface policy

**Syntax:**

interface-policy	Inherit DWDM interface-policy
<i>WORD</i>	interface policy name (Max Size 64)
<1-96>	dwdmChannelNumber. Number range from=1 to=96

**Command Mode:** template policy-group : Configure Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# inherit dwdm interface-policy <WORD> <NUMBER>
```

## inherit dwdm interface-policy <WORD> <NUMBER>

**Description:** DWDM interface policy

**Syntax:**

interface-policy	Inherit DWDM interface-policy
<i>WORD</i>	interface policy name (Max Size 64)

<1-96>	dwdmChannelNumber. Number range from=1 to=96
--------	--

**Command Mode:** template spine-fabric-interface-policy-group : Configure Spine Fabric Interface Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template spine-fabric-interface-policy-group <WORD>
(spine-fab-pol-grp)# inherit dwdm interface-policy <WORD> <NUMBER>
```

**inherit dwdm interface-policy <WORD>**

**Description:** Inherit DWDM interface policy

**Syntax:**

interface-policy	Associate the interface with an new DWDM interface policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit dwdm interface-policy <WORD>
```

**inherit dwdm interface-policy <WORD> <NUMBER>**

**Description:** DWDM interface policy

**Syntax:**

interface-policy	Inherit DWDM interface-policy
<i>WORD</i>	interface policy name (Max Size 64)
<1-96>	dwdmChannelNumber. Number range from=1 to=96

**Command Mode:** fabric-interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fabric-interface ethernet
(config-leaf-if)# inherit dwdm interface-policy <WORD> <NUMBER>
```

**inherit dwdm interface-policy <WORD>**

**Description:** Inherit DWDM interface policy

**Syntax:**

interface-policy	Associate the interface with an new DWDM interface policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit dwdm interface-policy <WORD>
```

**inherit dwdm interface-policy <WORD> <NUMBER>**

**Description:** DWDM interface policy

**Syntax:**

interface-policy	Inherit DWDM interface-policy
<i>WORD</i>	interface policy name (Max Size 64)
<1-96>	dwdmChannelNumber. Number range from=1 to=96

**Command Mode:** fabric-interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fabric-interface ethernet
(config-leaf-if)# inherit dwdm interface-policy <WORD> <NUMBER>
```

# inherit eigrp

## inherit eigrp ip|ipv6 interface-policy <WORD>

**Description:** Inherit EIGRP interface template policy

**Syntax:**

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
<i>WORD</i>	Policy name

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

## inherit eigrp ip|ipv6 interface-policy <WORD>

**Description:** Inherit EIGRP interface template policy

**Syntax:**

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
<i>WORD</i>	Policy name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

## inherit eigrp ip|ipv6 interface-policy <WORD>

**Description:** Inherit EIGRP interface template policy

**Syntax:**



ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
<i>WORD</i>	Policy name

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

**inherit eigrp ip|ipv6 interface-policy <WORD>**

**Description:** Inherit EIGRP interface template policy

**Syntax:**

ip	Address Family IPv4
ipv6	Address Family IPv6
interface-policy	Associate the interface with an EIGRP interface policy
<i>WORD</i>	Policy name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit eigrp ip|ipv6 interface-policy <WORD>
```

# inherit fc-fabric-policy

**inherit fc-fabric-policy <WORD>**

**Description:** FC Fabric Policy

**Syntax:**

<i>WORD</i>	FC Fabric Policy
-------------	------------------

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit fc-fabric-policy <WORD>
```

# inherit fc-leaf-policy

**inherit fc-leaf-policy** <WORD>

**Description:** FC Leaf Policy

**Syntax:**

<i>WORD</i>	FC Leaf Policy
-------------	----------------

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit fc-leaf-policy <WORD>
```

# inherit hsrp

## inherit hsrp interface-policy <WORD>

**Description:** Inherit HSRP interface template policy

**Syntax:**

interface-policy	Associate the interface with an HSRP interface policy
<i>WORD</i>	Policy name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit hsrp interface-policy <WORD>
```

## inherit hsrp interface-policy <WORD>

**Description:** Inherit HSRP interface template policy

**Syntax:**

interface-policy	Associate the interface with an HSRP interface policy
<i>WORD</i>	Policy name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit hsrp interface-policy <WORD>
```

# inherit ipsla

**inherit ipsla** <WORD>

**Description:** Configure IP SLA Monitoring Policy with PBR

**Syntax:**

<i>WORD</i>	IPSLA Monitoring Policy
-------------	-------------------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# svcredir-pol <WORD>
(svcredir-pol)# inherit ipsla <WORD>
```

# inherit ipv4

## inherit ipv4 ospf vrf-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

ospf	Inherit OSPF Policy
vrf-policy	Inherit OSPF vrf-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** vrf : Associate Router OSPF Policy with Tenant/VRF

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# inherit ipv4 ospf vrf-policy <WORD>
```

## inherit ipv4 ospf vrf-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

ospf	Inherit OSPF Policy
vrf-policy	Inherit OSPF vrf-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** vrf : Associate Router OSPF Policy with Tenant/VRF

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# inherit ipv4 ospf vrf-policy <WORD>
```

# inherit ipv6-nd

## inherit ipv6-nd prefix <WORD> <WORD>

**Description:** Inherit IPv6 Neighbor Discovery Prefix template policy

**Syntax:**

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD
WORD	ND Prefix Policy name

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# inherit ipv6-nd prefix <WORD> <WORD>
```

## inherit ipv6-nd prefix <WORD> <WORD>

**Description:** Inherit IPv6 Neighbor Discovery Prefix template policy

**Syntax:**

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD
WORD	ND Prefix Policy name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit ipv6-nd prefix <WORD> <WORD>
```

## inherit ipv6-nd prefix <WORD> <WORD>

**Description:** Inherit IPv6 Neighbor Discovery Prefix template policy

**Syntax:**

prefix	Associate a ND Prefix policy with an IPv6 Prefix
WORD	WORD

<i>WORD</i>	ND Prefix Policy name
-------------	-----------------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# inherit ipv6-nd prefix <WORD> <WORD>
```

**inherit ipv6-nd prefix <WORD> <WORD>**

**Description:** Inherit IPv6 Neighbor Discovery Prefix template policy

**Syntax:**

prefix	Associate a ND Prefix policy with an IPv6 Prefix
<i>WORD</i>	WORD
<i>WORD</i>	ND Prefix Policy name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit ipv6-nd prefix <WORD> <WORD>
```



# inherit ipv6

## inherit ipv6 nd <WORD>

**Description:** Inherit IPv6 Neighbor Discovery template policy

**Syntax:**

nd	Associate the interface with an IPv6 Neighbor Discovery policy
<i>WORD</i>	Policy name

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# inherit ipv6 nd <WORD>
```

## inherit ipv6 nd <WORD>

**Description:** Inherit IPv6 Neighbor Discovery template policy

**Syntax:**

nd	Associate the interface with an IPv6 Neighbor Discovery policy
<i>WORD</i>	Policy name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit ipv6 nd <WORD>
```

## inherit ipv6 ospf vrf-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

ospf	Inherit OSPF Policy
vrf-policy	Inherit OSPF vrf-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** vrf : Associate Router OSPF Policy with Tenant/VRF

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# inherit ipv6 ospf vrf-policy <WORD>
```

**inherit ipv6 nd <WORD>**

**Description:** Inherit IPv6 Neighbor Discovery template policy

**Syntax:**

nd	Associate the interface with an IPv6 Neighbor Discovery policy
<i>WORD</i>	Policy name

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# inherit ipv6 nd <WORD>
```

**inherit ipv6 nd <WORD>**

**Description:** Inherit IPv6 Neighbor Discovery template policy

**Syntax:**

nd	Associate the interface with an IPv6 Neighbor Discovery policy
<i>WORD</i>	Policy name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit ipv6 nd <WORD>
```

**inherit ipv6 ospf vrf-policy <WORD>**

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

ospf	Inherit OSPF Policy
vrf-policy	Inherit OSPF vrf-policy

<i>WORD</i>	OSPF Template Policy name (Max Size 64)
-------------	---

**Command Mode:** vrf : Associate Router OSPF Policy with Tenant/VRF

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# router ospf default|multipod-internal
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
(config-leaf-ospf-vrf)# inherit ipv6 ospf vrf-policy <WORD>
```

# inherit isis-fabric

**inherit isis-fabric** <WORD>

**Description:** InterSystem-InterSystem Protocol (IS-IS)

**Syntax:**

<i>WORD</i>	IS-IS Fabric template (Max Size 64)
-------------	-------------------------------------

**Command Mode:** template pod-group : POD Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
(config-pod-group)# inherit isis-fabric <WORD>
```

# inherit macsec-fabric

**inherit macsec-fabric <WORD>**

**Description:** MAC security fabric interface policy name

**Syntax:**

<i>WORD</i>	MAC security fabric interface policy name (Max Size 64)
-------------	---

**Command Mode:** template pod-group : POD Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
(config-pod-group)# inherit macsec-fabric <WORD>
```

# inherit macsec

## inherit macsec interface-policy <WORD>

**Description:** MAC security interface policy

**Syntax:**

interface-policy	Inherit MAC Security interface-policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** template fabric-interface-policy-group : Configure Leaf Fabric Interface Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template fabric-interface-policy-group <WORD>
(leaf-fab-pol-grp)# inherit macsec interface-policy <WORD>
```

## inherit macsec interface-policy <WORD>

**Description:** MAC security interface policy

**Syntax:**

interface-policy	Inherit MAC Security interface-policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** template policy-group : Configure Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# inherit macsec interface-policy <WORD>
```

## inherit macsec interface-policy <WORD>

**Description:** MAC security interface policy

**Syntax:**

interface-policy	Inherit MAC Security interface-policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** template port-channel : Configure Port-Channel Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# inherit macsec interface-policy <WORD>
```

### inherit macsec interface-policy <WORD>

**Description:** MAC security interface policy

**Syntax:**

interface-policy	Inherit MAC Security interface-policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** template spine-fabric-interface-policy-group : Configure Spine Fabric Interface Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template spine-fabric-interface-policy-group <WORD>
(spine-fab-pol-grp)# inherit macsec interface-policy <WORD>
```

### inherit macsec interface-policy <WORD>

**Description:** MAC security interface policy

**Syntax:**

interface-policy	Inherit MAC Security interface-policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** template spine-interface-policy-group : Configure Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template spine-interface-policy-group <WORD>
(config-spine-if-pol-grp)# inherit macsec interface-policy <WORD>
```

### inherit macsec interface-policy <WORD>

**Description:** Inherit MAC security interface policy

**Syntax:**

interface-policy	Associate the interface with an MAC security interface policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

### inherit macsec interface-policy <WORD>

**Description:** Inherit MAC security interface policy

**Syntax:**

interface-policy	Associate the interface with an MAC security interface policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

### inherit macsec interface-policy <WORD>

**Description:** MAC security interface policy

**Syntax:**

interface-policy	Inherit MAC Security interface-policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** fabric-interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fabric-interface ethernet
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

### inherit macsec interface-policy <WORD>

**Description:** Inherit MAC security interface policy

**Syntax:**

interface-policy	Associate the interface with an MAC security interface policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z



**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

**inherit macsec interface-policy <WORD>****Description:** Inherit MAC security interface policy**Syntax:**

interface-policy	Associate the interface with an MAC security interface policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

**inherit macsec interface-policy <WORD>****Description:** MAC security interface policy**Syntax:**

interface-policy	Inherit MAC Security interface-policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** fabric-interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fabric-interface ethernet
(config-leaf-if)# inherit macsec interface-policy <WORD>
```

**inherit macsec interface-policy <WORD>****Description:** Inherit MAC security interface policy**Syntax:**

interface-policy	Associate the interface with an MAC security interface policy
<i>WORD</i>	interface policy name (Max Size 64)

**Command Mode:** interface : Provide VPC Name

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# inherit macsec interface-policy <WORD>
```

# inherit macsec security-policy auto-key-generation

**inherit macsec security-policy <WORD> auto-key-generation**

**Description:** Use auto key generation

**Syntax:**

<i>WORD</i>	macsec policy name (Max Size 64)
-------------	----------------------------------

**Command Mode:** template macsec access|fabric interface-policy : Configure macsec interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric interface-policy <WORD>
(config-macsec-if-policy)# inherit macsec security-policy <WORD> auto-key-generation
```

# inherit macsec security-policy keychain

**inherit macsec security-policy <WORD> keychain <WORD>**

**Description:** key chain

**Syntax:**

<i>WORD</i>	macsec policy name (Max Size 64)
<i>WORD</i>	Keychain name (Max Size 64)

**Command Mode:** template macsec access|fabric interface-policy : Configure macsec interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric interface-policy <WORD>
(config-macsec-if-policy)# inherit macsec security-policy <WORD> keychain <WORD>
```

# inherit node-control-policy

**inherit node-control-policy <WORD>**

**Description:** Associate an node-control policy

**Syntax:**

<i>WORD</i>	Name of node-control policy
-------------	-----------------------------

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit node-control-policy <WORD>
```

**inherit node-control-policy <WORD>**

**Description:** Associate an node-control policy

**Syntax:**

<i>WORD</i>	Name of node-control policy
-------------	-----------------------------

**Command Mode:** template spine-policy-group : Configure Spine Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit node-control-policy <WORD>
```

# inherit node-only

## inherit node-only bgp timer <WORD>

**Description:** Inherit node specific BGP Timer Policy

**Syntax:**

bgp	Inherit BGP Timer Policy
timer	Inherit BGP Timer Policy
<i>WORD</i>	BGP Template Policy Name (Max Size 64)

**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)# inherit node-only bgp timer <WORD>
```

## inherit node-only bgp timer <WORD>

**Description:** Inherit node specific BGP Timer Policy

**Syntax:**

bgp	Inherit BGP Timer Policy
timer	Inherit BGP Timer Policy
<i>WORD</i>	BGP Template Policy Name (Max Size 64)

**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)# inherit node-only bgp timer <WORD>
```

# inherit ntp-fabric

**inherit ntp-fabric** <WORD>

**Description:** Network Time Protocol (NTP)

**Syntax:**

<i>WORD</i>	NTP Fabric template (Max Size 64)
-------------	-----------------------------------

**Command Mode:** template pod-group : POD Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
(config-pod-group)# inherit ntp-fabric <WORD>
```

# inherit pod-group

**inherit pod-group** <WORD>

**Description:** Pod Group

**Syntax:**

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

**Command Mode:** pods : Set of PODs

**Command Path:**

```
# configure [['terminal', 't']]
(config)# pod-profile <WORD>
(config-pod-profile)# pods <1-255>
(config-pod-profile-pods)# inherit pod-group <WORD>
```



# inherit snmp-fabric

**inherit snmp-fabric <WORD>**

**Description:** Simple Network Management Protocol (SNMP)

**Syntax:**

<i>WORD</i>	SNMP Fabric template (Max Size 64)
-------------	------------------------------------

**Command Mode:** template pod-group : POD Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template pod-group <WORD>
(config-pod-group)# inherit snmp-fabric <WORD>
```

# inherit twamp-responder-policy

**inherit twamp-responder-policy <WORD>**

**Description:** Associate a twamp-responder policy

**Syntax:**

<i>WORD</i>	Name of twamp-responder policy
-------------	--------------------------------

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit twamp-responder-policy <WORD>
```

**inherit twamp-responder-policy <WORD>**

**Description:** Associate a twamp-responder policy

**Syntax:**

<i>WORD</i>	Name of twamp-responder policy
-------------	--------------------------------

**Command Mode:** template spine-policy-group : Configure Spine Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit twamp-responder-policy <WORD>
```

# inherit twamp-server-policy

**inherit twamp-server-policy <WORD>**

**Description:** Associate a twamp-server policy

**Syntax:**

<i>WORD</i>	Name of twamp-server policy
-------------	-----------------------------

**Command Mode:** template leaf-policy-group : Configure Leaf Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template leaf-policy-group <WORD>
(config-leaf-policy-group)# inherit twamp-server-policy <WORD>
```

**inherit twamp-server-policy <WORD>**

**Description:** Associate a twamp-server policy

**Syntax:**

<i>WORD</i>	Name of twamp-server policy
-------------	-----------------------------

**Command Mode:** template spine-policy-group : Configure Spine Policy Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# template spine-policy-group <WORD>
(config-spine-policy-group)# inherit twamp-server-policy <WORD>
```

# inherit vsan-attribute

**inherit vsan-attribute** <WORD>

**Description:** Configure Vsan Attribute Policy

**Syntax:**

<i>WORD</i>	Configure Vsan Attribute Policy
-------------	---------------------------------

**Command Mode:** vsan-domain : Configure vsan domain

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vsan-domain <name>
(config-vsan)# inherit vsan-attribute <WORD>
```

# inst-pol

**inst-pol** <WORD> <vmm-domain> <ctrlr> <vm-template> <resource-pool> <datastore>

**Description:** Configure L4L7 service vm instantiation policy

**Syntax:**

<i>WORD</i>	service vm instantiation policy name (Max Size 16)
<i>vmm-domain</i>	Select Domain
<i>ctrlr</i>	Select ctrlr
<i>vm-template</i>	Select vcenter under domain
<i>resource-pool</i>	Select resourcepool for instpol
<i>datastore</i>	select datastore

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inst-pol <WORD> <vmm-domain> <ctrlr> <vm-template> <resource-pool>
<datastore>
```

# instance

**instance** <NUMBER> vlan <RANGE>

**Description:** Maps VLANs to an MST instance

**Syntax:**

<1-4094>	MST instance ID. Number range from=1 to=4094
vlan	Virtual LAN
RANGE	VLAN range. Ex.: 10-3000

**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)# instance <NUMBER> vlan <RANGE>
```

# interface

## interface bridge-domain <WORD>

**Description:** Configuration for interface bridge-domain

**Syntax:**

bridge-domain	Name of the bridge-domain
<i>WORD</i>	Name of the bridge-domain (Max Size 64)

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

**Command Path:**

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

## interface ethernet

**Description:** Provide a Range of Interfaces

**Syntax:**

ethernet	Configure Physical Interface
<i>arg</i>	Provide range of Interfaces

**Command Mode:** spine-interface-group : Configure Spine Interface Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
(config-spine-if-group)# interface ethernet
```

## interface ethernet

**Description:** Configure Ports on the Fex Interface Group

**Syntax:**

ethernet	Configure Physical Interface
<i>arg</i>	Provide range of Interfaces

**Command Mode:** fex-interface-group : Configure Fex Interface Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fex-profile <WORD>
(config-fex-profile)# fex-interface-group <WORD>
(config-fex-if-group)# interface ethernet
```

### interface ethernet

**Description:** Provide a Range of Interfaces

**Syntax:**

ethernet	Configure Physical Interface
<i>arg</i>	Provide range of Interfaces

**Command Mode:** leaf-interface-group : Configure Leaf Interface Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# interface ethernet
```

### interface ethernet

**Description:** Provide a Range of Interfaces

**Syntax:**

ethernet	Configure Physical Interface
<i>arg</i>	Provide range of Interfaces

**Command Mode:** spine-interface-group : Configure Spine Interface Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-internal
(config-fabric-internal)# spine-interface-profile <WORD>
(config-spine-if-profile)# spine-interface-group <WORD>
(config-spine-if-group)# interface ethernet
```

### interface vpc <WORD> [fex <fex>]

**Description:** Provide VPC Name

**Syntax:**

vpc	VPC Interface
<i>WORD</i>	VPC Name (Max Size 64)



<i>fex</i>	(Optional) Fex Id. Number range from=101 to=199
------------	---

**Command Mode:** vpc context : Enter vpc context

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
```

# interface ethernet

## interface ethernet <ethernet> leaf <leaf-id>

**Description:** Configure Physical Ethernet Port as a Cluster Member Interface

**Syntax:**

<ethernet>	List of ethernet itfs
leaf	Leaf ID that connects to cluster ethernet interface on (physical) device.
<leaf-id>	Leaf ID that connects to cluster ethernet interface on (physical) device.

**Command Mode:** member : Configure Cluster Interface Member

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# 1417 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
(config-member)# interface ethernet <ethernet> leaf <leaf-id>
```

## interface ethernet

**Description:** Provide a Range of Interfaces

**Syntax:**

arg	Provide range of Interfaces
-----	-----------------------------

**Command Mode:** leaf-interface-group : Configure Leaf Interface Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# interface ethernet
```

## interface ethernet <ifRange>

**Description:** Ethernet IEEE 802.3z

**Syntax:**

<ifRange>	interface Range
-----------	-----------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

**interface ethernet <ifRange>**

**Description:** Ethernet IEEE 802.3z

**Syntax:**

<ifRange>	interface Range
-----------	-----------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
```

# interface fc-port-channel

## interface fc-port-channel <WORD>

**Description:** FC Port Channel

**Syntax:**

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

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc-port-channel <WORD>
```

## interface fc-port-channel <WORD>

**Description:** FC Port Channel

**Syntax:**

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

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc-port-channel <WORD>
```

# interface fc

## interface fc

**Description:** Configure a native FC Interface

**Syntax:**

<i>arg</i>	Provide range of Interfaces
------------	-----------------------------

**Command Mode:** leaf-interface-group : Configure Leaf Interface Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf-interface-profile <WORD>
(config-leaf-if-profile)# leaf-interface-group <WORD>
(config-leaf-if-group)# interface fc
```

## interface fc <ifRange>

**Description:** FC Interface

**Syntax:**

<ifRange>	interface Range
-----------	-----------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface fc <ifRange>
```

## interface fc <ifRange>

**Description:** FC Interface

**Syntax:**

<ifRange>	interface Range
-----------	-----------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface fc <ifRange>
```

# interface inband-mgmt0

## interface inband-mgmt0

**Description:** Inband management interface

**Command Mode:** controller : Configure Controller Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
```

## interface inband-mgmt0

**Description:** Inband management interface

**Command Mode:** switch : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
```

# interface mgmt0

## interface mgmt0

**Description:** Out of band management interface

**Command Mode:** controller : Configure Controller Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
```

## interface mgmt0

**Description:** Out of band management interface

**Command Mode:** switch : Configure Leaf Node

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
```

# interface port-channel

**interface port-channel <port-channel-name> leaf <NUMBER> [fex <fex-id>]**

**Description:** Configure Port Channel as a Cluster Member Interface

**Syntax:**

<i>&lt;port-channel-name&gt;</i>	Name of the port-channel
leaf	Leaf Id for the port-channel
<i>NUMBER</i>	Leaf Id for the port channel.. Number range from=0 to=9223372036854775807
<i>&lt;fex-id&gt;</i>	(Optional) Fex ID that connects to cluster interface interface on (physical) device.

**Command Mode:** member : Configure Cluster Interface Member

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# 1417 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
(config-member)# interface port-channel <port-channel-name> leaf <NUMBER> [fex <fex-id>]
```

**interface port-channel <WORD> [fex <fex>]**

**Description:** Port Channel interface

**Syntax:**

<i>WORD</i>	Port-Channel Name (Max Size 64)
<i>fex</i>	(Optional) Fex Id. Number range from=101 to=199

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

**interface port-channel <WORD> [fex <fex>]**

**Description:** Port Channel interface

**Syntax:**



<i>WORD</i>	Port-Channel Name (Max Size 64)
<i>fex</i>	(Optional) Fex Id. Number range from=101 to=199

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
```

# interface vfc-po

**interface vfc-po <WORD> [fex <fex>]**

**Description:** VFC Port Channel interface

**Syntax:**

<i>WORD</i>	Port-Channel Name (Max Size 64)
<i>fex</i>	(Optional) Fex Id. Number range from=101 to=199

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc-po <WORD> [fex <fex>]
```

**interface vfc-po <WORD> [fex <fex>]**

**Description:** VFC Port Channel interface

**Syntax:**

<i>WORD</i>	Port-Channel Name (Max Size 64)
<i>fex</i>	(Optional) Fex Id. Number range from=101 to=199

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc-po <WORD> [fex <fex>]
```

# interface vfc

**interface vfc <ifRange>**

**Description:** Virtual Fiber Channel interface

**Syntax:**

<i>&lt;ifRange&gt;</i>	interface Range
------------------------	-----------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vfc <ifRange>
```

**interface vfc <ifRange>**

**Description:** Virtual Fiber Channel interface

**Syntax:**

<i>&lt;ifRange&gt;</i>	interface Range
------------------------	-----------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vfc <ifRange>
```

# interface vlan

## interface vlan <1-4094>

**Description:** Vlan interface

**Syntax:**

<1-4094>	Vlan interface number
----------	-----------------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
```

## interface vlan <1-4094>

**Description:** Vlan interface

**Syntax:**

<1-4094>	Vlan interface number
----------	-----------------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
```

# interface vpc

**interface vpc** <vpc-name> leaf <NUMBER> <NUMBER> [fex fex <Ids>]

**Description:** Configure monitor for VPC interfaces

**Syntax:**

<vpc-name>	VPC port-channel group name
leaf	leaf
NUMBER	First leaf member of the Pair. Number range from=0 to=9223372036854775807
NUMBER	Second leaf member of the Pair. Number range from=0 to=9223372036854775807
fex <Ids>	(Optional) paired fex Ids

**Command Mode:** member : Configure Cluster Interface Member

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# 1417 cluster name <WORD> type <type> vlan-domain <domain-name>
[switching-mode <switching-mode>] [service <service>] [function <function>] [context
<context>] [trunking <enable|disable>] [vm-instantiation-policy <vm-instantiation-policy>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
(config-member)# interface vpc <vpc-name> leaf <NUMBER> <NUMBER> [fex fex <Ids>]
```

# interpod

## **interpod data hardware-proxy <A.B.C.D>**

**Description:** Interpod anycast hardware-proxy ip

**Syntax:**

data	Interpod anycast hardware-proxy ip
hardware-proxy	Interpod anycast hardware-proxy ip
<i>A.B.C.D</i>	IPV4 address in format x.x.x.x

**Command Mode:** pod : Pod Profile

**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# pod <NUMBER>
(config-fabric-external-pod)# interpod data hardware-proxy <A.B.C.D>
```

# ip-filter-action

## ip-filter-action deny|permit

**Description:** IP filtering action for VRF filtering

**Syntax:**

deny	Deny IP traffic
permit	Allow IP traffic

**Command Mode:** flow-exporter : Configure external analytics reachability information

**Command Path:**

```
# configure [['terminal', 't']]
(config)# analytics cluster <WORD>
(config-analytics)# flow-exporter <WORD>
(config-analytics-cluster-exporter)# ip-filter-action deny|permit
```

# ip-inspection-admin-status

## **ip-inspection-admin-status enabled-both|disabled**

**Description:** Config IP inspection administrative status in first hop security bridge domain policy

**Syntax:**

enabled-both	Enable IP inspection for both IPv4 and IPv6
disabled	Disable IP inspection

**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)# ip-inspection-admin-status enabled-both|disabled
```



## ip

**ip learning**

**Description:** Instruct the destination leaf to learn source ip of the packet

**Syntax:**

learning	ip learning
----------	-------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# ip learning
```

**ip route <A.B.C.D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>**

**Description:** Configure IP features

**Syntax:**

route	Route information
<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
<i>ipAddress null</i>	
<i>&lt;ZeroorPref&gt;</i>	
<i>&lt;BfdorPref&gt;</i>	

**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)# ip route <A.B.C.D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>
```

**ip <arg> [secondary]**

**Description:** Enable HSRP IP and set the virtual IP address

**Syntax:**

<i>arg</i>	
secondary	(Optional) Configure IP Address as Secondary IP

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ip <> [secondary]
```

**ip <arg> [secondary]**

**Description:** Enable HSRP IP and set the virtual IP address

**Syntax:**

<i>arg</i>	
secondary	(Optional) Configure IP Address as Secondary IP

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ip <> [secondary]
```

**ip route <A.B.C.D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>**

**Description:** Configure IP features

**Syntax:**

route	Route information
<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
<i>ipAddress null</i>	
<i>&lt;ZeroorPref&gt;</i>	
<i>&lt;BfdorPref&gt;</i>	

**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)# ip route <A.B.C.D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>
```

**ip <arg> [secondary]****Description:** Enable HSRP IP and set the virtual IP address**Syntax:**

<i>arg</i>	
secondary	(Optional) Configure IP Address as Secondary IP

**Command Mode:** hsrp group : Configure HSRP Group**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ip <> [secondary]
```

**ip <arg> [secondary]****Description:** Enable HSRP IP and set the virtual IP address**Syntax:**

<i>arg</i>	
secondary	(Optional) Configure IP Address as Secondary IP

**Command Mode:** hsrp group : Configure HSRP Group**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ip <> [secondary]
```

**ip prefix-list <name> [permit <A.B.C.D/LEN>]****Description:** Import Prefix list**Syntax:**

prefix-list	Prefix List
<i>name</i>	Prefix list name
<i>A.B.C.D/LEN</i>	(Optional) IPV4 address in format x.x.x.x/LEN

**Command Mode:** route-map : Import subnet from IPN**Command Path:**

```
# configure [['terminal', 't']]
(config)# fabric-external <NUMBER>
(config-fabric-external)# route-map interpod-import
(config-fabric-external-route-map)# ip prefix-list <name> [permit <A.B.C.D/LEN>]
```

# ip address-range

**ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>**

**Description:** Configure IP and gateway features

**Syntax:**

<i>A.B.C.D/LEN</i>	IP Address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
<i>A.B.C.D</i>	Gateway address in format x.x.x.x

**Command Mode:** interface mgmt0 : Out of band management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>
```

**ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>**

**Description:** Configure IP and gateway features

**Syntax:**

<i>A.B.C.D/LEN</i>	IP address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
<i>A.B.C.D</i>	Gateway address in format x.x.x.x

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>
```

**ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>**

**Description:** Configure IP and gateway features

**Syntax:**

<i>A.B.C.D/LEN</i>	IP Address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface

<i>A.B.C.D</i>	Gateway address in format x.x.x.x
----------------	-----------------------------------

**Command Mode:** interface mgmt0 : Out of band management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# ip address-range <A.B.C.D/LEN> gateway <A.B.C.D>
```

**ip address-range <A.B.C.D> gateway <A.B.C.D>**

**Description:** Configure IP and gateway features

**Syntax:**

<i>A.B.C.D</i>	IP address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
<i>A.B.C.D</i>	Gateway address in format x.x.x.x

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# ip address-range <A.B.C.D> gateway <A.B.C.D>
```

# ip address

**ip address <A.B.C.D/LEN> [scope <scope>] [secondary] [multi-site] [snooping-querier]**

**Description:** Define an IPv4 subnet to be exported by the BD

**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
<i>scope</i>	(Optional) Scope of the address among ['public', 'private']
<i>secondary</i>	(Optional) Set the address as secondary address
<i>multi-site</i>	(Optional) Set the address as multi-site address
<i>snooping-querier</i>	(Optional) Tell the address to be used by IGMP Snooping querier functionality if enabled

**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)# ip address <A.B.C.D/LEN> [scope <scope>] [secondary] [multi-site]
[snooping-querier]
```

**ip address <A.B.C.D/LEN> [secondary]**

**Description:** Configure IP address on interface

**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
<i>secondary</i>	(Optional) Configure additional IP addresses on interface

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

**ip address <A.B.C.D/LEN> [secondary]**

**Description:** Configure IP address on interface

**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure IP Address as Secondary IP

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

**ip address <A.B.C.D/LEN> [secondary]**

**Description:** Configure IP address on interface

**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure IP Address as Secondary IP

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

**ip address <A.B.C.D/LEN> [secondary]**

**Description:** Configure IP address on interface

**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure additional IP addresses on interface

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

**ip address <A.B.C.D/LEN> [secondary]**

**Description:** Configure IP address on interface



**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure IP Address as Secondary IP

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

**ip address <A.B.C.D/LEN> [secondary]**

**Description:** Configure IP address on interface

**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
secondary	(Optional) Configure IP Address as Secondary IP

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip address <A.B.C.D/LEN> [secondary]
```

**ip address <A.B.C.D/LEN> gateway <A.B.C.D>**

**Description:** Configure IP and gateway features

**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
<i>A.B.C.D</i>	Gateway address in format x.x.x.x

**Command Mode:** interface mgmt0 : Out of band management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# ip address <A.B.C.D/LEN> gateway <A.B.C.D>
```

**ip address <A.B.C.D/LEN> gateway <A.B.C.D>****Description:** Configure IP and gateway features**Syntax:**

<i>A.B.C.D/LEN</i>	IP address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
<i>A.B.C.D</i>	Gateway address in format x.x.x.x

**Command Mode:** interface inband-mgmt0 : Inband management interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# ip address <A.B.C.D/LEN> gateway <A.B.C.D>
```

**ip address <A.B.C.D/LEN> gateway <A.B.C.D>****Description:** Configure IP and gateway features**Syntax:**

<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
<i>A.B.C.D</i>	Gateway address in format x.x.x.x

**Command Mode:** interface mgmt0 : Out of band management interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# ip address <A.B.C.D/LEN> gateway <A.B.C.D>
```

**ip address <A.B.C.D/LEN> gateway <A.B.C.D>****Description:** Configure IP and gateway features**Syntax:**

<i>A.B.C.D/LEN</i>	IP address and network mask length in format x.x.x.x/m
gateway	Configure gateway address on interface
<i>A.B.C.D</i>	Gateway address in format x.x.x.x

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# ip address <A.B.C.D/LEN> gateway <A.B.C.D>
```

# ip address tenant application

**ip address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>**

**Description:** Add a new server relay address under an AEPg

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
<i>WORD</i>	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
<i>WORD</i>	AEPg behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

**ip address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>**

**Description:** Add a new server relay address under an AEPg

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
<i>WORD</i>	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
<i>WORD</i>	AEPg behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
```

```
(config-tenant-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> application <WORD>  
epg <WORD>
```

## ip address tenant external-l2

**ip address <A.B.C.D> tenant <WORD> external-l2 epg <WORD>**

**Description:** Add a new server relay address under a L2 External EPG

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
<i>WORD</i>	l2 external EPG behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> external-l2 epg <WORD>
```

**ip address <A.B.C.D> tenant <WORD> external-l2 epg <WORD>**

**Description:** Add a new server relay address under a L2 External EPG

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
<i>WORD</i>	l2 external EPG behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> external-l2 epg
<WORD>
```

# ip address tenant external-l3

**ip address <A.B.C.D> tenant <WORD> external-l3 epg <WORD>**

**Description:** Add a new server relay address under a L3 External EPG

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
<i>WORD</i>	l3 external EPG behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> external-l3 epg <WORD>
```

**ip address <A.B.C.D> tenant <WORD> external-l3 epg <WORD>**

**Description:** Add a new server relay address under a L3 External EPG

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
<i>WORD</i>	l3 external EPG behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# ip address <A.B.C.D> tenant <WORD> external-l3 epg
<WORD>
```

# ip bandwidth

## ip bandwidth eigrp default <NUMBER>

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip bandwidth eigrp default <NUMBER>
```

## ip bandwidth eigrp default <NUMBER>

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

## ip bandwidth eigrp default <NUMBER>

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance



<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000
----------------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

### ip bandwidth eigrp default <NUMBER>

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

### ip bandwidth eigrp default <NUMBER>

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip bandwidth eigrp default <NUMBER>
```

**ip bandwidth eigrp default <NUMBER>****Description:** Set EIGRP bandwidth**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

**ip bandwidth eigrp default <NUMBER>****Description:** Set EIGRP bandwidth**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

**ip bandwidth eigrp default <NUMBER>****Description:** Set EIGRP bandwidth**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip bandwidth eigrp default <NUMBER>
```

# ip bfd

## ip bfd enable

**Description:** Enable Bidirectional Forwarding Detection

**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip bfd enable
```

## ip bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip bfd eigrp enable
```

## ip bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

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

```
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip bfd eigrp enable
```

### ip bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip bfd eigrp enable
```

### ip bfd enable

**Description:** Enable Bidirectional Forwarding Detection

**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip bfd enable
```

### ip bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

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

```
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip bfd eigrp enable
```

### ip bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip bfd eigrp enable
```

### ip bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip bfd eigrp enable
```

# ip dhcp relay address tenant application

**ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>**

**Description:** Add a new server relay address under an AEPg

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
<i>WORD</i>	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
<i>WORD</i>	AEPg behind which the DHCP server sits (Max Size 64)

**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)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD>
epg <WORD>
```

**ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>**

**Description:** Application hosting the DHCP server

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the DHCP server (Max Size 63)
<i>WORD</i>	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
<i>WORD</i>	EPG hosting the DHCP server (Max Size 64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

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

```
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

### ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

**Description:** Application hosting the DHCP server

#### Syntax:

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the DHCP server (Max Size 63)
<i>WORD</i>	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
<i>WORD</i>	EPG hosting the DHCP server (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

#### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

### ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

**Description:** Application hosting the DHCP server

#### Syntax:

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the DHCP server (Max Size 63)
<i>WORD</i>	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
<i>WORD</i>	EPG hosting the DHCP server (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

#### Command Path:

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



```
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

**ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>**

**Description:** Application hosting the DHCP server

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the DHCP server (Max Size 63)
<i>WORD</i>	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
<i>WORD</i>	EPG hosting the DHCP server (Max Size 64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

**ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>**

**Description:** Application hosting the DHCP server

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the DHCP server (Max Size 63)
<i>WORD</i>	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
<i>WORD</i>	EPG hosting the DHCP server (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

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

```
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

### ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg <WORD>

**Description:** Application hosting the DHCP server

#### Syntax:

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the DHCP server (Max Size 63)
<i>WORD</i>	Application hosting the DHCP server (Max Size 64)
epg	EPG hosting the DHCP server
<i>WORD</i>	EPG hosting the DHCP server (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip dhcp relay address <A.B.C.D> tenant <WORD> application <WORD> epg
<WORD>
```

## ip dhcp relay address tenant external-l2

**ip dhcp relay address <A.B.C.D> tenant <WORD> external-l2 epg <WORD>**

**Description:** Add a new server relay address under a L2 External EPG

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
<i>WORD</i>	l2 external EPG behind which the DHCP server sits (Max Size 64)

**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)# ip dhcp relay address <A.B.C.D> tenant <WORD> external-l2 epg
<WORD>
```

## ip dhcp relay address tenant external-l3

**ip dhcp relay address** <A.B.C.D> tenant <WORD> external-l3 epg <WORD>

**Description:** Add a new server relay address under a L3 External EPG

**Syntax:**

<i>A.B.C.D</i>	IP address in format i.i.i.i
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
<i>WORD</i>	l3 external EPG behind which the DHCP server sits (Max Size 64)

**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)# ip dhcp relay address <A.B.C.D> tenant <WORD> external-l3 epg
<WORD>
```

# ip distribute-list eigrp

## ip distribute-list eigrp default route-map <WORD> out

**Description:** Configure distribute-list EIGRP route-map

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

## ip distribute-list eigrp default route-map <WORD> out

**Description:** Configure distribute-list EIGRP Policies

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

## ip distribute-list eigrp default route-map <WORD> out

**Description:** Configure distribute-list EIGRP Policies

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

**ip distribute-list eigrp default route-map <WORD> out**

**Description:** Configure distribute-list EIGRP route-map

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

**ip distribute-list eigrp default route-map <WORD> out**

**Description:** Configure distribute-list EIGRP Policies

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

**ip distribute-list eigrp default route-map <WORD> out****Description:** Configure distribute-list EIGRP Policies**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip distribute-list eigrp default route-map <WORD> out
```

# ip dscp

## ip dscp <dscp>

**Description:** dscp

**Syntax:**

<i>dscp</i>	DSCP code or value
-------------	--------------------

**Command Mode:** destination tenant : Configure monitor remote destination

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-access-dest)# ip dscp <dscp>
```

## ip dscp <dscp>

**Description:** dscp

**Syntax:**

<i>dscp</i>	DSCP code or value
-------------	--------------------

**Command Mode:** destination : Configure monitor remote destination

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-fabric-dest)# ip dscp <dscp>
```

## ip dscp <dscp>

**Description:** dscp

**Syntax:**

<i>dscp</i>	DSCP code or value
-------------	--------------------

**Command Mode:** destination : Configure monitor remote destination

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
```



```
(config-monitor-tenant-dest)# ip dscp <dscp>
```

**ip dscp <dscp>****Description:** Configure DSCP**Syntax:**

<dscp>	<dscp>
--------	--------

**Command Mode:** destination destip : Configure monitor remote destination**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination destip <A.B.C.D>
(config-monitor-virtual-remote-dest)# ip dscp <dscp>
```

# ip flow

## ip flow monitor <WORD>

**Description:** Configure Netflow on the Port-Channel

**Syntax:**

monitor	Configure Netflow on the Port-Channel
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** template policy-group : Configure Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# ip flow monitor <WORD>
```

## ip flow monitor <WORD>

**Description:** Configure Netflow on the Interface

**Syntax:**

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** template port-channel : Configure Port-Channel Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# ip flow monitor <WORD>
```

## ip flow monitor <WORD>

**Description:** Configure Netflow on the Interface

**Syntax:**

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**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)# ip flow monitor <WORD>
```

**ip flow monitor <WORD>****Description:** Configure Netflow on the Interface**Syntax:**

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip flow monitor <WORD>
```

**ip flow monitor <arg>****Description:** Configure Netflow on the Interface**Syntax:**

monitor	Configure Netflow on the Interface
<i>arg</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip flow monitor <>
```

**ip flow monitor <WORD>****Description:** Configure Netflow on the Interface**Syntax:**

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip flow monitor <WORD>
```

### ip flow monitor <WORD>

**Description:** Configure Netflow on the Interface

#### Syntax:

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface vlan : Vlan interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip flow monitor <WORD>
```

### ip flow monitor <arg>

**Description:** Configure Netflow on the Interface

#### Syntax:

monitor	Configure Netflow on the Interface
<i>arg</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip flow monitor <>
```

### ip flow monitor <WORD>

**Description:** Configure Netflow on the Interface

#### Syntax:

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip flow monitor <WORD>
```

**ip flow monitor <WORD>****Description:** Configure Netflow on the VPC**Syntax:**

monitor	Configure Netflow on the VPC
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface : Provide VPC Name**Command Path:**

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# ip flow monitor <WORD>
```

# ip hello-interval

## ip hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip hello-interval eigrp default <NUMBER>
```

## ip hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

## ip hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

<1-65535>	Hello interval time in seconds. Number range from=1 to=65535
-----------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

### ip hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

### ip hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip hello-interval eigrp default <NUMBER>
```

**ip hello-interval eigrp default <NUMBER>****Description:** Set EIGRP Hello interval time**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

**ip hello-interval eigrp default <NUMBER>****Description:** Set EIGRP Hello interval time**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

**ip hello-interval eigrp default <NUMBER>****Description:** Set EIGRP Hello interval time**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface port-channel : Port Channel interface



**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip hello-interval eigrp default <NUMBER>
```

# ip hold-interval

## ip hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip hold-interval eigrp default <NUMBER>
```

## ip hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

## ip hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

<1-65535>	Hold interval time in seconds. Number range from=1 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

### ip hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

### ip hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip hold-interval eigrp default <NUMBER>
```

**ip hold-interval eigrp default <NUMBER>****Description:** Set EIGRP Hold interval time**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

**ip hold-interval eigrp default <NUMBER>****Description:** Set EIGRP Hold interval time**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

**ip hold-interval eigrp default <NUMBER>****Description:** Set EIGRP Hold interval time**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip hold-interval eigrp default <NUMBER>
```

# ip igmp

## ip igmp

**Description:** Enable IGMP

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

**Command Path:**

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

# ip igmp allow-v3-asm

## ip igmp allow-v3-asm

**Description:** Allow V3 ASM

**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)# ip igmp allow-v3-asm
```

## ip igmp allow-v3-asm

**Description:** Allow V3 ASM

**Syntax:**

igmp	igmp
------	------

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp allow-v3-asm
```

## ip igmp allow-v3-asm

**Description:** Allow V3 ASM

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp allow-v3-asm
```

## ip igmp allow-v3-asm

**Description:** Allow V3 ASM

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp allow-v3-asm
```

**ip igmp allow-v3-asm**

**Description:** Allow V3 ASM

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp allow-v3-asm
```

**ip igmp allow-v3-asm**

**Description:** Allow V3 ASM

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp allow-v3-asm
```



# ip igmp fast-leave

## ip igmp fast-leave

**Description:** Enable IP IGMP fast leave processing

**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)# ip igmp fast-leave
```

## ip igmp fast-leave

**Description:** Enable IP IGMP fast leave processing

**Syntax:**

igmp	igmp
------	------

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp fast-leave
```

## ip igmp fast-leave

**Description:** Enable IP IGMP fast leave processing

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp fast-leave
```

## ip igmp fast-leave

**Description:** Enable IP IGMP fast leave processing

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp fast-leave
```

### ip igmp fast-leave

**Description:** Enable IP IGMP fast leave processing

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp fast-leave
```

### ip igmp fast-leave

**Description:** Enable IP IGMP fast leave processing

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp fast-leave
```

# ip igmp group-timeout

## ip igmp group-timeout <NUMBER>

**Description:** Configures group membership timeout for IGMPv2

**Syntax:**

<3-65535>	Time in seconds. Number range from=3 to=65535
-----------	---

**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)# ip igmp group-timeout <NUMBER>
```

## ip igmp group-timeout <NUMBER>

**Description:** Configures group membership timeout for IGMPv2

**Syntax:**

igmp	igmp
<3-65535>	Time in seconds. Number range from=3 to=65535

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp group-timeout <NUMBER>
```

## ip igmp group-timeout <NUMBER>

**Description:** Configures group membership timeout for IGMPv2

**Syntax:**

<3-65535>	Time in seconds. Number range from=3 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp group-timeout <NUMBER>
```

### ip igmp group-timeout <NUMBER>

**Description:** Configures group membership timeout for IGMPv2

**Syntax:**

<3-65535>	Time in seconds. Number range from=3 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp group-timeout <NUMBER>
```

### ip igmp group-timeout <NUMBER>

**Description:** Configures group membership timeout for IGMPv2

**Syntax:**

<3-65535>	Time in seconds. Number range from=3 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp group-timeout <NUMBER>
```

### ip igmp group-timeout <NUMBER>

**Description:** Configures group membership timeout for IGMPv2

**Syntax:**

<3-65535>	Time in seconds. Number range from=3 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp group-timeout <NUMBER>
```

# ip igmp inherit

## ip igmp inherit interface-policy <WORD> [tenant <WORD>]

**Description:** Associate a IGMP interface policy to this interface

**Syntax:**

interface-policy	interface-policy
WORD	IGMP interface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

**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)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

## ip igmp inherit interface-policy <WORD> [tenant <WORD>]

**Description:** Associate a IGMP interface policy to this interface

**Syntax:**

interface-policy	interface-policy
WORD	IGMP interface policy name (Max Size 64)
WORD	(Optional) Tenant where policy is defined

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

## ip igmp inherit interface-policy <WORD> [tenant <WORD>]

**Description:** Associate a IGMP interface policy to this interface

**Syntax:**

interface-policy	interface-policy
WORD	IGMP interface policy name (Max Size 64)

<i>WORD</i>	(Optional) Tenant where policy is defined
-------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

**ip igmp inherit interface-policy <WORD> [tenant <WORD>]**

**Description:** Associate a IGMP interface policy to this interface

**Syntax:**

interface-policy	interface-policy
<i>WORD</i>	IGMP interface policy name (Max Size 64)
<i>WORD</i>	(Optional) Tenant where policy is defined

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

**ip igmp inherit interface-policy <WORD> [tenant <WORD>]**

**Description:** Associate a IGMP interface policy to this interface

**Syntax:**

interface-policy	interface-policy
<i>WORD</i>	IGMP interface policy name (Max Size 64)
<i>WORD</i>	(Optional) Tenant where policy is defined

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp inherit interface-policy <WORD> [tenant <WORD>]
```

# ip igmp last-member-query-count

## ip igmp last-member-query-count <NUMBER>

**Description:** Configures number of group-specific Queries sent

**Syntax:**

<1-5>	Count value. Number range from=1 to=5
-------	---------------------------------------

**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)# ip igmp last-member-query-count <NUMBER>
```

## ip igmp last-member-query-count <NUMBER>

**Description:** Configures number of group-specific Queries sent

**Syntax:**

igmp	igmp
<1-5>	Count value. Number range from=1 to=5

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp last-member-query-count <NUMBER>
```

## ip igmp last-member-query-count <NUMBER>

**Description:** Configures number of group-specific Queries sent

**Syntax:**

<1-5>	Count value. Number range from=1 to=5
-------	---------------------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp last-member-query-count <NUMBER>
```

### ip igmp last-member-query-count <NUMBER>

**Description:** Configures number of group-specific Queries sent

**Syntax:**

<1-5>	Count value. Number range from=1 to=5
-------	---------------------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp last-member-query-count <NUMBER>
```

### ip igmp last-member-query-count <NUMBER>

**Description:** Configures number of group-specific Queries sent

**Syntax:**

<1-5>	Count value. Number range from=1 to=5
-------	---------------------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp last-member-query-count <NUMBER>
```

### ip igmp last-member-query-count <NUMBER>

**Description:** Configures number of group-specific Queries sent

**Syntax:**

<1-5>	Count value. Number range from=1 to=5
-------	---------------------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp last-member-query-count <NUMBER>
```



# ip igmp last-member-query-response-time

**ip igmp last-member-query-response-time <NUMBER>**

**Description:** Configures last member query response time

**Syntax:**

<1-25>	Time in seconds. Number range from=1 to=25
--------	--

**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)# ip igmp last-member-query-response-time <NUMBER>
```

**ip igmp last-member-query-response-time <NUMBER>**

**Description:** Configures last member query response time

**Syntax:**

igmp	igmp
<1-25>	Time in seconds. Number range from=1 to=25

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp last-member-query-response-time <NUMBER>
```

# ip igmp querier-timeout

## ip igmp querier-timeout <NUMBER>

**Description:** Configures querier timeout for IGMPv2

**Syntax:**

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

**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)# ip igmp querier-timeout <NUMBER>
```

## ip igmp querier-timeout <NUMBER>

**Description:** Configures querier timeout for IGMPv2

**Syntax:**

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

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp querier-timeout <NUMBER>
```

## ip igmp querier-timeout <NUMBER>

**Description:** Configures querier timeout for IGMPv2

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp querier-timeout <NUMBER>
```

### ip igmp querier-timeout <NUMBER>

**Description:** Configures querier timeout for IGMPv2

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp querier-timeout <NUMBER>
```

### ip igmp querier-timeout <NUMBER>

**Description:** Configures querier timeout for IGMPv2

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp querier-timeout <NUMBER>
```

### ip igmp querier-timeout <NUMBER>

**Description:** Configures querier timeout for IGMPv2

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp querier-timeout <NUMBER>
```

# ip igmp query-interval

## ip igmp query-interval <NUMBER>

**Description:** Configures interval between Query transmission

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**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)# ip igmp query-interval <NUMBER>
```

## ip igmp query-interval <NUMBER>

**Description:** Configures interval between Query transmission

**Syntax:**

igmp	igmp
<1-18000>	Time in seconds. Number range from=1 to=18000

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp query-interval <NUMBER>
```

## ip igmp query-interval <NUMBER>

**Description:** Configures interval between Query transmission

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp query-interval <NUMBER>
```

### ip igmp query-interval <NUMBER>

**Description:** Configures interval between Query transmission

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp query-interval <NUMBER>
```

### ip igmp query-interval <NUMBER>

**Description:** Configures interval between Query transmission

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp query-interval <NUMBER>
```

### ip igmp query-interval <NUMBER>

**Description:** Configures interval between Query transmission

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp query-interval <NUMBER>
```

## ip igmp query-max-response-time

**ip igmp query-max-response-time <NUMBER>**

**Description:** Configures MRT for query messages

**Syntax:**

<1-25>	Time in seconds. Number range from=1 to=25
--------	--

**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)# ip igmp query-max-response-time <NUMBER>
```

**ip igmp query-max-response-time <NUMBER>**

**Description:** Configures MRT for query messages

**Syntax:**

igmp	igmp
<1-25>	Time in seconds. Number range from=1 to=25

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp query-max-response-time <NUMBER>
```

**ip igmp query-max-response-time <NUMBER>**

**Description:** Configures MRT for query messages

**Syntax:**

<1-25>	Time in seconds. Number range from=1 to=25
--------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp query-max-response-time <NUMBER>
```

### ip igmp query-max-response-time <NUMBER>

**Description:** Configures MRT for query messages

**Syntax:**

<1-25>	Time in seconds. Number range from=1 to=25
--------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp query-max-response-time <NUMBER>
```

### ip igmp query-max-response-time <NUMBER>

**Description:** Configures MRT for query messages

**Syntax:**

<1-25>	Time in seconds. Number range from=1 to=25
--------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp query-max-response-time <NUMBER>
```

### ip igmp query-max-response-time <NUMBER>

**Description:** Configures MRT for query messages

**Syntax:**

<1-25>	Time in seconds. Number range from=1 to=25
--------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp query-max-response-time <NUMBER>
```

# ip igmp report-link-local-groups

## ip igmp report-link-local-groups

**Description:** Send Reports for groups in 224.0.0.0/24

**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)# ip igmp report-link-local-groups
```

## ip igmp report-link-local-groups

**Description:** Send Reports for groups in 224.0.0.0/24

**Syntax:**

igmp	igmp
------	------

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp report-link-local-groups
```

## ip igmp report-link-local-groups

**Description:** Send Reports for groups in 224.0.0.0/24

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp report-link-local-groups
```

## ip igmp report-link-local-groups

**Description:** Send Reports for groups in 224.0.0.0/24

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**



```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp report-link-local-groups
```

### **ip igmp report-link-local-groups**

**Description:** Send Reports for groups in 224.0.0.0/24

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp report-link-local-groups
```

### **ip igmp report-link-local-groups**

**Description:** Send Reports for groups in 224.0.0.0/24

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp report-link-local-groups
```

# ip igmp report-policy

## ip igmp report-policy <WORD>

**Description:** Configure IGMP report policy

**Syntax:**

<i>WORD</i>	Route-map 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)# ip igmp report-policy <WORD>
```

## ip igmp report-policy <WORD>

**Description:** Configure IGMP report policy

**Syntax:**

igmp	igmp
<i>WORD</i>	Route-map name

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp report-policy <WORD>
```

## ip igmp report-policy <WORD>

**Description:** Configure IGMP report policy

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp report-policy <WORD>
```

### ip igmp report-policy <WORD>

**Description:** Configure IGMP report policy

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp report-policy <WORD>
```

### ip igmp report-policy <WORD>

**Description:** Configure IGMP report policy

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp report-policy <WORD>
```

### ip igmp report-policy <WORD>

**Description:** Configure IGMP report policy

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp report-policy <WORD>
```

## ip igmp robustness-variable

### ip igmp robustness-variable <NUMBER>

**Description:** Configures RFC defined Robustness Variable

**Syntax:**

<1-7>	Count value. Number range from=1 to=7
-------	---------------------------------------

**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)# ip igmp robustness-variable <NUMBER>
```

### ip igmp robustness-variable <NUMBER>

**Description:** Configures RFC defined Robustness Variable

**Syntax:**

igmp	igmp
<1-7>	Count value. Number range from=1 to=7

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp robustness-variable <NUMBER>
```

### ip igmp robustness-variable <NUMBER>

**Description:** Configures RFC defined Robustness Variable

**Syntax:**

<1-7>	Count value. Number range from=1 to=7
-------	---------------------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp robustness-variable <NUMBER>
```

### ip igmp robustness-variable <NUMBER>

**Description:** Configures RFC defined Robustness Variable

**Syntax:**

<1-7>	Count value. Number range from=1 to=7
-------	---------------------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp robustness-variable <NUMBER>
```

### ip igmp robustness-variable <NUMBER>

**Description:** Configures RFC defined Robustness Variable

**Syntax:**

<1-7>	Count value. Number range from=1 to=7
-------	---------------------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp robustness-variable <NUMBER>
```

### ip igmp robustness-variable <NUMBER>

**Description:** Configures RFC defined Robustness Variable

**Syntax:**

<1-7>	Count value. Number range from=1 to=7
-------	---------------------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp robustness-variable <NUMBER>
```

# ip igmp snooping

## ip igmp snooping

**Description:** IP IGMP snooping settings

**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)# ip igmp snooping
```

## ip igmp snooping

**Description:** IP IGMP snooping settings

**Command Mode:** template ip igmp snooping policy : Create an IGMP snooping policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping
```

# ip igmp snooping access-group route-map leaf interface ethernet ethernet vlan

**ip igmp snooping access-group route-map <WORD> leaf <WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>**

**Description:** Encap VLAN

**Syntax:**

route-map	Route-Map used for filtering
<i>WORD</i>	route-map name (Max Size 64)
<i>WORD</i>	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
<i>ethernet &lt;slot&gt;/&lt;port&gt;</i>	Ethernet Range
<i>VLAN</i>	Encap VLAN

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping access-group route-map <WORD> leaf <WORD> interface
ethernet ethernet <slot>/<port> vlan <VLAN>
```

# ip igmp snooping access-group route-map leaf interface port-channel vlan

**ip igmp snooping access-group route-map <WORD> leaf <WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>**

**Description:** Encap VLAN

**Syntax:**

route-map	Route-Map used for filtering
<i>WORD</i>	route-map name (Max Size 64)
<i>WORD</i>	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
<i>WORD</i>	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199
<i>VLAN</i>	Encap VLAN

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping access-group route-map <WORD> leaf <WORD> interface
port-channel <WORD> [fex <NUMBER>] vlan <VLAN>
```



# ip igmp snooping access-group route-map vpc context interface vpc vlan

**ip igmp snooping access-group route-map <WORD> vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>**

**Description:** Encap VLAN

**Syntax:**

route-map	Route-Map used for filtering
<i>WORD</i>	route-map name (Max Size 64)
context	VPC Context
<i>WORD</i>	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
<i>WORD</i>	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
<i>WORD</i>	VPC Name (Max Size 64)
<i>fex</i>	(Optional) Fex Id. Number range from=101 to=199
<i>VLAN</i>	Encap VLAN

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping access-group route-map <WORD> vpc context <WORD>
<WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>
```

# ip igmp snooping fast-leave

## ip igmp snooping fast-leave

**Description:** Enable IP IGMP Snooping fast leave processing

**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)# ip igmp snooping fast-leave
```

## ip igmp snooping fast-leave

**Description:** Enable IP IGMP Snooping fast leave processing

**Command Mode:** template ip igmp snooping policy : Create an IGMP snooping policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping fast-leave
```

# ip igmp snooping last-member-query-interval

## ip igmp snooping last-member-query-interval <NUMBER>

**Description:** Change the IP IGMP snooping last member query interval param

**Syntax:**

<1-25>	Last Memeber Query Interval Value. Number range from=1 to=25
--------	--

**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)# ip igmp snooping last-member-query-interval <NUMBER>
```

## ip igmp snooping last-member-query-interval <NUMBER>

**Description:** Change the IP IGMP snooping last member query interval param

**Syntax:**

<1-25>	Last Memeber Query Interval Value. Number range from=1 to=25
--------	--

**Command Mode:** template ip igmp snooping policy : Create an IGMP snooping policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping last-member-query-interval
<NUMBER>
```

# ip igmp snooping policy

**ip igmp snooping policy** <WORD>

**Description:** Associate the BD with an IGMP snooping policy

**Syntax:**

<i>WORD</i>	Name of the IGMP snooping policy to attach (Max Size 64)
-------------	--

**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)# ip igmp snooping policy <WORD>
```

# ip igmp snooping querier

## ip igmp snooping querier

**Description:** Enable IP IGMP Snooping querier processing

**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)# ip igmp snooping querier
```

## ip igmp snooping querier

**Description:** Enable IP IGMP Snooping querier processing

**Command Mode:** template ip igmp snooping policy : Create an IGMP snooping policy

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping querier
```

# ip igmp snooping query-interval

**ip igmp snooping query-interval <NUMBER>**

**Description:** Change the IP IGMP snooping query interval param

**Syntax:**

<1-18000>	Query Interval Value. Number range from=1 to=18000
-----------	--

**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)# ip igmp snooping query-interval <NUMBER>
```

**ip igmp snooping query-interval <NUMBER>**

**Description:** Change the IP IGMP snooping query interval param

**Syntax:**

<1-18000>	Query Interval Value. Number range from=1 to=18000
-----------	--

**Command Mode:** template ip igmp snooping policy : Create an IGMP snooping policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping query-interval <NUMBER>
```

# ip igmp snooping query-max-response-time

**ip igmp snooping query-max-response-time <NUMBER>**

**Description:** Change the IP IGMP snooping max query response time

**Syntax:**

<1-25>	Query Max Response Time. Number range from=1 to=25
--------	--

**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)# ip igmp snooping query-max-response-time <NUMBER>
```

**ip igmp snooping query-max-response-time <NUMBER>**

**Description:** Change the IP IGMP snooping max query response time

**Syntax:**

<1-25>	Query Max Response Time. Number range from=1 to=25
--------	--

**Command Mode:** template ip igmp snooping policy : Create an IGMP snooping policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping query-max-response-time <NUMBER>
```

## ip igmp snooping startup-query-count

### ip igmp snooping startup-query-count <NUMBER>

**Description:** Change the IP IGMP snooping number of initial queries to send

**Syntax:**

<1-10>	Start Query Count. Number range from=1 to=10
--------	--

**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)# ip igmp snooping startup-query-count <NUMBER>
```

### ip igmp snooping startup-query-count <NUMBER>

**Description:** Change the IP IGMP snooping number of initial queries to send

**Syntax:**

<1-10>	Start Query Count. Number range from=1 to=10
--------	--

**Command Mode:** template ip igmp snooping policy : Create an IGMP snooping policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping startup-query-count <NUMBER>
```



# ip igmp snooping startup-query-interval

**ip igmp snooping startup-query-interval <NUMBER>**

**Description:** Change the IP IGMP snooping time for sending initial queries

**Syntax:**

<1-18000>	Start Query Interval Value. Number range from=1 to=18000
-----------	--

**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)# ip igmp snooping startup-query-interval <NUMBER>
```

**ip igmp snooping startup-query-interval <NUMBER>**

**Description:** Change the IP IGMP snooping time for sending initial queries

**Syntax:**

<1-18000>	Start Query Interval Value. Number range from=1 to=18000
-----------	--

**Command Mode:** template ip igmp snooping policy : Create an IGMP snooping policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
(config-tenant-template-ip-igmp-snooping)# ip igmp snooping startup-query-interval <NUMBER>
```

# ip igmp snooping static-group leaf interface ethernet ethernet vlan

**ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] leaf <WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>**

**Description:** Encap VLAN

**Syntax:**

<i>A.B.C.D</i>	IP Multicast address in format i.i.i.i
<i>A.B.C.D</i>	(Optional) IP Unicast address in format i.i.i.i
<i>WORD</i>	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
<i>ethernet &lt;slot&gt;/&lt;port&gt;</i>	Ethernet Range
<i>VLAN</i>	Encap VLAN

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] leaf
<WORD> interface ethernet ethernet <slot>/<port> vlan <VLAN>
```

# ip igmp snooping static-group leaf interface port-channel vlan

**ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] leaf <WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>**

**Description:** Encap VLAN

**Syntax:**

<i>A.B.C.D</i>	IP Multicast address in format i.i.i.i
<i>A.B.C.D</i>	(Optional) IP Unicast address in format i.i.i.i
<i>WORD</i>	Leaf Number (Max Size 4000). Number range from=0 to=9223372036854775807
interface	Interface keyword
<i>WORD</i>	Port Channel Name (Max Size 64)
<101-199>	(Optional) Fex Id. Number range from=101 to=199
<i>VLAN</i>	Encap VLAN

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] leaf
<WORD> interface port-channel <WORD> [fex <NUMBER>] vlan <VLAN>
```

# ip igmp snooping static-group vpc context interface vpc vlan

**ip igmp snooping static-group** <A.B.C.D> [source <A.B.C.D>] vpc context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>

**Description:** Encap VLAN

**Syntax:**

<i>A.B.C.D</i>	IP Multicast address in format i.i.i.i
<i>A.B.C.D</i>	(Optional) IP Unicast address in format i.i.i.i
context	VPC Context
<i>WORD</i>	First VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
<i>WORD</i>	Second VPC leaf (Max Size 4000). Number range from=0 to=9223372036854775807
interface	VPC Interface name
vpc	VPC Interface name
<i>WORD</i>	VPC Name (Max Size 64)
<i>fex</i>	(Optional) Fex Id. Number range from=101 to=199
<i>VLAN</i>	Encap VLAN

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# ip igmp snooping static-group <A.B.C.D> [source <A.B.C.D>] vpc
context <WORD> <WORD> interface vpc <WORD> [fex <fex>] vlan <VLAN>
```

# ip igmp ssm-translate

**ip igmp ssm-translate** <A.B.C.D/LEN> <A.B.C.D>

**Description:** Translate IGMPv1/v2 reports to (S,G) route entries

**Syntax:**

<i>A.B.C.D/LEN</i>	IP Multicast group range
<i>A.B.C.D</i>	IP Multicast address source

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip igmp ssm-translate <A.B.C.D/LEN> <A.B.C.D>
```

# ip igmp startup-query-count

## ip igmp startup-query-count <NUMBER>

**Description:** Configures number of queries sent at startup

**Syntax:**

<1-10>	Time in seconds. Number range from=1 to=10
--------	--

**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)# ip igmp startup-query-count <NUMBER>
```

## ip igmp startup-query-count <NUMBER>

**Description:** Configures number of queries sent at startup

**Syntax:**

igmp	igmp
<1-10>	Time in seconds. Number range from=1 to=10

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp startup-query-count <NUMBER>
```

## ip igmp startup-query-count <NUMBER>

**Description:** Configures number of queries sent at startup

**Syntax:**

<1-10>	Time in seconds. Number range from=1 to=10
--------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp startup-query-count <NUMBER>
```

### ip igmp startup-query-count <NUMBER>

**Description:** Configures number of queries sent at startup

**Syntax:**

<1-10>	Time in seconds. Number range from=1 to=10
--------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp startup-query-count <NUMBER>
```

### ip igmp startup-query-count <NUMBER>

**Description:** Configures number of queries sent at startup

**Syntax:**

<1-10>	Time in seconds. Number range from=1 to=10
--------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp startup-query-count <NUMBER>
```

### ip igmp startup-query-count <NUMBER>

**Description:** Configures number of queries sent at startup

**Syntax:**

<1-10>	Time in seconds. Number range from=1 to=10
--------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp startup-query-count <NUMBER>
```

# ip igmp startup-query-interval

**ip igmp startup-query-interval <NUMBER>**

**Description:** Configures query interval at startup

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**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)# ip igmp startup-query-interval <NUMBER>
```

**ip igmp startup-query-interval <NUMBER>**

**Description:** Configures query interval at startup

**Syntax:**

igmp	igmp
<1-18000>	Time in seconds. Number range from=1 to=18000

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp startup-query-interval <NUMBER>
```

**ip igmp startup-query-interval <NUMBER>**

**Description:** Configures query interval at startup

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```



```
(config-leaf-if)# ip igmp startup-query-interval <NUMBER>
```

### ip igmp startup-query-interval <NUMBER>

**Description:** Configures query interval at startup

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp startup-query-interval <NUMBER>
```

### ip igmp startup-query-interval <NUMBER>

**Description:** Configures query interval at startup

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp startup-query-interval <NUMBER>
```

### ip igmp startup-query-interval <NUMBER>

**Description:** Configures query interval at startup

**Syntax:**

<1-18000>	Time in seconds. Number range from=1 to=18000
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp startup-query-interval <NUMBER>
```

# ip igmp state-limit

## ip igmp state-limit <NUMBER>

**Description:** Configures State limit

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
----------------	---

**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)# ip igmp state-limit <NUMBER>
```

## ip igmp state-limit <NUMBER>

**Description:** Configures State limit

**Syntax:**

igmp	igmp
<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp state-limit <NUMBER>
```

## ip igmp state-limit <NUMBER>

**Description:** Configures State limit

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
----------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp state-limit <NUMBER>
```

### ip igmp state-limit <NUMBER>

**Description:** Configures State limit

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
----------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp state-limit <NUMBER>
```

### ip igmp state-limit <NUMBER>

**Description:** Configures State limit

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
----------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp state-limit <NUMBER>
```

### ip igmp state-limit <NUMBER>

**Description:** Configures State limit

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
----------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp state-limit <NUMBER>
```

# ip igmp state-limit reserved

**ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>**

**Description:** Reserve the states using route-map

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

**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)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

**ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>**

**Description:** Reserve the states using route-map

**Syntax:**

igmp	igmp
<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp state-limit <NUMBER> reserved <WORD>
<NUMBER>
```

**ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>**

**Description:** Reserve the states using route-map

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

**ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>**

**Description:** Reserve the states using route-map

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

**ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>**

**Description:** Reserve the states using route-map

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
WORD	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

**ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>**

**Description:** Reserve the states using route-map

**Syntax:**

<1-4294967295>	Maximum states allowed. Number range from=1 to=4294967295
<i>WORD</i>	Route-map name
<0-4294967295>	Maximum (*,G)/(S,G) entires allowed on the interface. Number range from=0 to=4294967295

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp state-limit <NUMBER> reserved <WORD> <NUMBER>
```

# ip igmp static-oif

## ip igmp static-oif route-map <WORD>

**Description:** Configures static oif for a multicast forwarding

**Syntax:**

route-map	route-map
WORD	Route-map 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)# ip igmp static-oif route-map <WORD>
```

## ip igmp static-oif route-map <WORD>

**Description:** Configures static oif for a multicast forwarding

**Syntax:**

igmp	igmp
route-map	route-map
WORD	Route-map name

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp static-oif route-map <WORD>
```

## ip igmp static-oif route-map <WORD>

**Description:** Configures static oif for a multicast forwarding

**Syntax:**

route-map	route-map
WORD	Route-map name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp static-oif route-map <WORD>
```

**ip igmp static-oif route-map <WORD>**

**Description:** Configures static oif for a multicast forwarding

**Syntax:**

route-map	route-map
<i>WORD</i>	Route-map name

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp static-oif route-map <WORD>
```

**ip igmp static-oif route-map <WORD>**

**Description:** Configures static oif for a multicast forwarding

**Syntax:**

route-map	route-map
<i>WORD</i>	Route-map name

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp static-oif route-map <WORD>
```

**ip igmp static-oif route-map <WORD>**

**Description:** Configures static oif for a multicast forwarding

**Syntax:**

route-map	route-map
<i>WORD</i>	Route-map name



**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp static-oif route-map <WORD>
```

## ip igmp version

### ip igmp version <arg>

**Description:** Configures IGMP version number for interface

**Syntax:**

<i>arg</i>	IGMP version number
------------	---------------------

**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)# ip igmp version <>
```

### ip igmp version <arg>

**Description:** Configures IGMP version number for interface

**Syntax:**

igmp	igmp
<i>arg</i>	IGMP version number

**Command Mode:** template ip igmp interface-policy : Create an IGMP interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
(config-tenant-template-ip-igmp-policy)# ip igmp version <>
```

### ip igmp version <arg>

**Description:** Configures IGMP version number for interface

**Syntax:**

<i>arg</i>	IGMP version number
------------	---------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# ip igmp version <>
```

### ip igmp version <arg>

**Description:** Configures IGMP version number for interface

#### Syntax:

<i>arg</i>	IGMP version number
------------	---------------------

**Command Mode:** interface port-channel : Port Channel interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp version <>
```

### ip igmp version <arg>

**Description:** Configures IGMP version number for interface

#### Syntax:

<i>arg</i>	IGMP version number
------------	---------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip igmp version <>
```

### ip igmp version <arg>

**Description:** Configures IGMP version number for interface

#### Syntax:

<i>arg</i>	IGMP version number
------------	---------------------

**Command Mode:** interface port-channel : Port Channel interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip igmp version <>
```

# ip multicast

## ip multicast

**Description:** Enable multicast on this bridge-domain

**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)# ip multicast
```

# ip next-hop-self

## ip next-hop-self eigrp default

**Description:** Set the next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip next-hop-self eigrp default
```

## ip next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip next-hop-self eigrp default
```

## ip next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip next-hop-self eigrp default
```

### ip next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip next-hop-self eigrp default
```

### ip next-hop-self eigrp default

**Description:** Set the next-hop-self flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip next-hop-self eigrp default
```

### ip next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip next-hop-self eigrp default
```

**ip next-hop-self eigrp default**

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip next-hop-self eigrp default
```

**ip next-hop-self eigrp default**

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip next-hop-self eigrp default
```

## ip ospf authentication-key

### ip ospf authentication-key <WORD>

**Description:** Set OSPF authentication key

**Syntax:**

<i>WORD</i>	OSPF authentication key
-------------	-------------------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf authentication-key <WORD>
```

### ip ospf authentication-key <WORD>

**Description:** Set OSPF authentication key

**Syntax:**

<i>WORD</i>	OSPF authentication key
-------------	-------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf authentication-key <WORD>
```

### ip ospf authentication-key <WORD>

**Description:** Set OSPF authentication key

**Syntax:**

<i>WORD</i>	OSPF authentication key
-------------	-------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf authentication-key <WORD>
```



**ip ospf authentication-key <WORD>****Description:** Set OSPF authentication key**Syntax:**

<i>WORD</i>	OSPF authentication key
-------------	-------------------------

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf authentication-key <WORD>
```

**ip ospf authentication-key <WORD>****Description:** Set OSPF authentication key**Syntax:**

<i>WORD</i>	OSPF authentication key
-------------	-------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf authentication-key <WORD>
```

**ip ospf authentication-key <WORD>****Description:** Set OSPF authentication key**Syntax:**

<i>WORD</i>	OSPF authentication key
-------------	-------------------------

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf authentication-key <WORD>
```

# ip ospf authentication

## ip ospf authentication md5|none|simple

**Description:** Set the OSPF authentication type

**Syntax:**

md5	MD5 authentication
none	No authentication
simple	Simple authentication

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf authentication md5|none|simple
```

## ip ospf authentication md5|none|simple

**Description:** Set the OSPF authentication type

**Syntax:**

md5	MD5 authentication
none	No authentication
simple	Simple authentication

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf authentication md5|none|simple
```

## ip ospf authentication md5|none|simple

**Description:** Set the OSPF authentication type

**Syntax:**

md5	MD5 authentication
none	No authentication

simple	Simple authentication
--------	-----------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf authentication md5|none|simple
```

### ip ospf authentication md5|none|simple

**Description:** Set the OSPF authentication type

**Syntax:**

md5	MD5 authentication
none	No authentication
simple	Simple authentication

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf authentication md5|none|simple
```

### ip ospf authentication md5|none|simple

**Description:** Set the OSPF authentication type

**Syntax:**

md5	MD5 authentication
none	No authentication
simple	Simple authentication

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf authentication md5|none|simple
```

**ip ospf authentication md5|none|simple**

**Description:** Set the OSPF authentication type

**Syntax:**

md5	MD5 authentication
none	No authentication
simple	Simple authentication

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf authentication md5|none|simple
```

# ip ospf bfd

## ip ospf bfd enable

**Description:** Enable Bidirectional Forwarding Detection

**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf bfd enable
```

## ip ospf bfd enable

**Description:** Enable Bidirectional Forwarding Detection

**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf bfd enable
```

## ip ospf bfd enable

**Description:** Enable Bidirectional Forwarding Detection

**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf bfd enable
```

**ip ospf bfd enable****Description:** Enable Bidirectional Forwarding Detection**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf bfd enable
```

**ip ospf bfd enable****Description:** Enable Bidirectional Forwarding Detection**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf bfd enable
```

**ip ospf bfd enable****Description:** Enable Bidirectional Forwarding Detection**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf bfd enable
```

# ip ospf cost

## ip ospf cost <NUMBER>

**Description:** Set OSPF cost for the interface

**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf cost <NUMBER>
```

## ip ospf cost <NUMBER>

**Description:** Set OSPF cost for the interface

**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf cost <NUMBER>
```

## ip ospf cost <NUMBER>

**Description:** Set OSPF cost for the interface

**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf cost <NUMBER>
```

**ip ospf cost <NUMBER>****Description:** Set OSPF cost for the interface**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf cost <NUMBER>
```

**ip ospf cost <NUMBER>****Description:** Set OSPF cost for the interface**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf cost <NUMBER>
```

**ip ospf cost <NUMBER>****Description:** Set OSPF cost for the interface**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf cost <NUMBER>
```



# ip ospf dead-interval

## ip ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

### Syntax:

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

**Command Mode:** interface vlan : Vlan interface

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

## ip ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

### Syntax:

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

## ip ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

### Syntax:

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

**Command Mode:** interface port-channel : Port Channel interface

### Command Path:

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

```
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

**ip ospf dead-interval <NUMBER>**

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

**ip ospf dead-interval <NUMBER>**

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

**ip ospf dead-interval <NUMBER>**

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip ospf dead-interval <NUMBER>
```

# ip ospf hello-interval

## ip ospf hello-interval <NUMBER>

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

## ip ospf hello-interval <NUMBER>

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

## ip ospf hello-interval <NUMBER>

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

**ip ospf hello-interval <NUMBER>****Description:** Set interval between hello packets that OSPF sends on the interface**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

**ip ospf hello-interval <NUMBER>****Description:** Set interval between hello packets that OSPF sends on the interface**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

**ip ospf hello-interval <NUMBER>****Description:** Set interval between hello packets that OSPF sends on the interface**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf hello-interval <NUMBER>
```

# ip ospf inherit

## ip ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

## ip ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

## ip ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

### ip ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

### ip ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```

### ip ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf inherit interface-policy <WORD>
```



# ip ospf mtu-ignore

## ip ospf mtu-ignore

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf mtu-ignore
```

## ip ospf mtu-ignore

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf mtu-ignore
```

## ip ospf mtu-ignore

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf mtu-ignore
```

## ip ospf mtu-ignore

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf mtu-ignore
```

**ip ospf mtu-ignore**

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf mtu-ignore
```

**ip ospf mtu-ignore**

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf mtu-ignore
```

# ip ospf network

## ip ospf network bcast|p2p|unspecified

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

## ip ospf network bcast|p2p|unspecified

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

## ip ospf network bcast|p2p|unspecified

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

**ip ospf network bcast|p2p|unspecified**

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

**ip ospf network bcast|p2p|unspecified**

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
--------------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

### **ip ospf network bcast|p2p|unspecified**

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf network bcast|p2p|unspecified
```

# ip ospf passive-interface

## ip ospf passive-interface

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf passive-interface
```

## ip ospf passive-interface

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf passive-interface
```

## ip ospf passive-interface

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf passive-interface
```

## ip ospf passive-interface

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf passive-interface
```

**ip ospf passive-interface**

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf passive-interface
```

**ip ospf passive-interface**

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf passive-interface
```

# ip ospf prefix-suppression

## ip ospf prefix-suppression disable|enable|inherit

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

## ip ospf prefix-suppression disable|enable|inherit

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

## ip ospf prefix-suppression disable|enable|inherit

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.



<i>inherit</i>	The OSPF interface prefix suppression.
----------------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

### ip ospf prefix-suppression disable|enable|inherit

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

### ip ospf prefix-suppression disable|enable|inherit

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

**ip ospf prefix-suppression disable|enable|inherit****Description:** Set prefix suppression**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf prefix-suppression disable|enable|inherit
```

# ip ospf priority

## ip ospf priority <NUMBER>

**Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network

### Syntax:

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface vlan : Vlan interface

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf priority <NUMBER>
```

## ip ospf priority <NUMBER>

**Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network

### Syntax:

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf priority <NUMBER>
```

## ip ospf priority <NUMBER>

**Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network

### Syntax:

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface port-channel : Port Channel interface

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf priority <NUMBER>
```

**ip ospf priority <NUMBER>****Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf priority <NUMBER>
```

**ip ospf priority <NUMBER>****Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf priority <NUMBER>
```

**ip ospf priority <NUMBER>****Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf priority <NUMBER>
```

# ip ospf retransmit-interval

## ip ospf retransmit-interval <NUMBER>

**Description:** Set OSPF Policy Graceful Restart Timers

**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

## ip ospf retransmit-interval <NUMBER>

**Description:** Set OSPF Policy Graceful Restart Timers

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

## ip ospf retransmit-interval <NUMBER>

**Description:** Set OSPF Policy Graceful Restart Timers

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

**ip ospf retransmit-interval <NUMBER>****Description:** Set OSPF Policy Graceful Restart Timers**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

**ip ospf retransmit-interval <NUMBER>****Description:** Set OSPF Policy Graceful Restart Timers**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

**ip ospf retransmit-interval <NUMBER>****Description:** Set OSPF Policy Graceful Restart Timers**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf retransmit-interval <NUMBER>
```

# ip ospf transmit-delay

## ip ospf transmit-delay <NUMBER>

**Description:** Set the delay time needed to send an LSA update packet.

**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

## ip ospf transmit-delay <NUMBER>

**Description:** Set the delay time needed to send an LSA update packet.

**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

## ip ospf transmit-delay <NUMBER>

**Description:** Set the delay time needed to send an LSA update packet.

**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

**ip ospf transmit-delay <NUMBER>****Description:** Set the delay time needed to send an LSA update packet.**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

**ip ospf transmit-delay <NUMBER>****Description:** Set the delay time needed to send an LSA update packet.**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```

**ip ospf transmit-delay <NUMBER>****Description:** Set the delay time needed to send an LSA update packet.**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip ospf transmit-delay <NUMBER>
```



# ip passive-interface

## ip passive-interface eigrp default

**Description:** Set the passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip passive-interface eigrp default
```

## ip passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip passive-interface eigrp default
```

## ip passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip passive-interface eigrp default
```

### ip passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip passive-interface eigrp default
```

### ip passive-interface eigrp default

**Description:** Set the passive-interface flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip passive-interface eigrp default
```

### ip passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip passive-interface eigrp default
```

**ip passive-interface eigrp default**

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip passive-interface eigrp default
```

**ip passive-interface eigrp default**

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip passive-interface eigrp default
```

# ip pim

## ip pim

**Description:** Enable PIM

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

**Command Path:**

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

## ip pim

**Description:** Enable PIM

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# ip pim
```

# ip pim auto-rp forward

## ip pim auto-rp forward listen

**Description:** Forward Auto-RP messages

**Syntax:**

listen	Listen to Auto-RP messages
--------	----------------------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim auto-rp forward listen
```

# ip pim auto-rp listen

## ip pim auto-rp listen forward

**Description:** Listen to Auto-RP messages

**Syntax:**

forward	Forward Auto-RP messages
---------	--------------------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim auto-rp listen forward
```

## ip pim auto-rp mapping-agent-policy

**ip pim auto-rp mapping-agent-policy <WORD>**

**Description:** Associate route-map policy for filtering Mapping Agent messages

**Syntax:**

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

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim auto-rp mapping-agent-policy <WORD>
```

# ip pim border

## ip pim border

**Description:** Configures interface to be a boundary of a PIM domain

### Syntax:

pim	pim
-----	-----

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim border
```

## ip pim border

**Description:** Configures interface to be a boundary of a PIM domain

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim border
```

## ip pim border

**Description:** Configures interface to be a boundary of a PIM domain

**Command Mode:** interface port-channel : Port Channel interface

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim border
```

## ip pim border

**Description:** Configures interface to be a boundary of a PIM domain

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

### Command Path:



```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim border
```

### **ip pim border**

**Description:** Configures interface to be a boundary of a PIM domain

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim border
```

## ip pim bsr bsr-policy

**ip pim bsr bsr-policy <WORD>**

**Description:** Associate route-map policy for filtering BSR messages

**Syntax:**

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

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim bsr bsr-policy <WORD>
```

# ip pim bsr forward

## ip pim bsr forward listen

**Description:** Forward Bootstrap/Candidate-RP messages

**Syntax:**

listen	Listen to Bootstrap/Candidate-RP messages
--------	---

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim bsr forward listen
```

# ip pim bsr listen

## ip pim bsr listen forward

**Description:** Listen to Bootstrap/Candidate-RP messages

**Syntax:**

forward	Forward Bootstrap/Candidate-RP messages
---------	---

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim bsr listen forward
```

# ip pim dr-delay

## ip pim dr-delay <NUMBER>

**Description:** Configures delay for PIM DR election on interface

**Syntax:**

pim	pim
<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim dr-delay <NUMBER>
```

## ip pim dr-delay <NUMBER>

**Description:** Configures delay for PIM DR election on interface

**Syntax:**

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim dr-delay <NUMBER>
```

## ip pim dr-delay <NUMBER>

**Description:** Configures delay for PIM DR election on interface

**Syntax:**

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim dr-delay <NUMBER>
```

### ip pim dr-delay <NUMBER>

**Description:** Configures delay for PIM DR election on interface

**Syntax:**

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim dr-delay <NUMBER>
```

### ip pim dr-delay <NUMBER>

**Description:** Configures delay for PIM DR election on interface

**Syntax:**

<1-65535>	DR Delay Value in seconds. Number range from=1 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim dr-delay <NUMBER>
```

# ip pim dr-priority

## ip pim dr-priority <NUMBER>

**Description:** Configures priority for PIM DR election on interface

**Syntax:**

pim	pim
<1-4294967295>	DR priority. Number range from=1 to=4294967295

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim dr-priority <NUMBER>
```

## ip pim dr-priority <NUMBER>

**Description:** Configures priority for PIM DR election on interface

**Syntax:**

<1-4294967295>	DR priority. Number range from=1 to=4294967295
----------------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim dr-priority <NUMBER>
```

## ip pim dr-priority <NUMBER>

**Description:** Configures priority for PIM DR election on interface

**Syntax:**

<1-4294967295>	DR priority. Number range from=1 to=4294967295
----------------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim dr-priority <NUMBER>
```

### ip pim dr-priority <NUMBER>

**Description:** Configures priority for PIM DR election on interface

**Syntax:**

<1-4294967295>	DR priority. Number range from=1 to=4294967295
----------------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim dr-priority <NUMBER>
```

### ip pim dr-priority <NUMBER>

**Description:** Configures priority for PIM DR election on interface

**Syntax:**

<1-4294967295>	DR priority. Number range from=1 to=4294967295
----------------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim dr-priority <NUMBER>
```



# ip pim fabric-rp-address

**ip pim fabric-rp-address** <A.B.C.D> [route-map <WORD>]

**Description:** Configure fabric RP for group range

**Syntax:**

<i>A.B.C.D</i>	IP address in format A.B.C.D
<i>WORD</i>	(Optional) route-map name

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim fabric-rp-address <A.B.C.D> [route-map <WORD>]
```

# ip pim fast-convergence

## ip pim fast-convergence

**Description:** Set PIM fast convergence

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

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim fast-convergence
```

# ip pim hello-authentication

## ip pim hello-authentication ah-md5 <WORD>

**Description:** Add AH header option to Hellos

**Syntax:**

pim	pim
ah-md5	MD5 authentication
<i>WORD</i>	PIM hello authentication key

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim hello-authentication ah-md5 <WORD>
```

## ip pim hello-authentication ah-md5 <WORD>

**Description:** Add AH header option to Hellos

**Syntax:**

ah-md5	MD5 authentication
<i>WORD</i>	PIM hello authentication key

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim hello-authentication ah-md5 <WORD>
```

## ip pim hello-authentication ah-md5 <WORD>

**Description:** Add AH header option to Hellos

**Syntax:**

ah-md5	MD5 authentication
<i>WORD</i>	PIM hello authentication key

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim hello-authentication ah-md5 <WORD>
```

**ip pim hello-authentication ah-md5 <WORD>****Description:** Add AH header option to Hellos**Syntax:**

ah-md5	MD5 authentication
<i>WORD</i>	PIM hello authentication key

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim hello-authentication ah-md5 <WORD>
```

**ip pim hello-authentication ah-md5 <WORD>****Description:** Add AH header option to Hellos**Syntax:**

ah-md5	MD5 authentication
<i>WORD</i>	PIM hello authentication key

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim hello-authentication ah-md5 <WORD>
```

# ip pim hello-interval

## ip pim hello-interval <NUMBER>

**Description:** Configures the Hello interval for the interface

**Syntax:**

pim	pim
<1-18724286>	Hello Interval Value. Number range from=1 to=18724286

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim hello-interval <NUMBER>
```

## ip pim hello-interval <NUMBER>

**Description:** Configures the Hello interval for the interface

**Syntax:**

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535
-----------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim hello-interval <NUMBER>
```

## ip pim hello-interval <NUMBER>

**Description:** Configures the Hello interval for the interface

**Syntax:**

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535
-----------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim hello-interval <NUMBER>
```

### ip pim hello-interval <NUMBER>

**Description:** Configures the Hello interval for the interface

**Syntax:**

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535
-----------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim hello-interval <NUMBER>
```

### ip pim hello-interval <NUMBER>

**Description:** Configures the Hello interval for the interface

**Syntax:**

<1-65535>	Hello Interval Value in milliseconds. Number range from=1 to=65535
-----------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim hello-interval <NUMBER>
```

# ip pim inherit

## ip pim inherit interface-policy <WORD> [tenant <WORD>]

**Description:** Associate a PIM interface policy to this interface

**Syntax:**

interface-policy	interface-policy
<i>WORD</i>	PIM interface policy name (Max Size 64)
<i>WORD</i>	(Optional) Tenant where policy is defined

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim inherit interface-policy <WORD> [tenant <WORD>]
```

## ip pim inherit interface-policy <WORD> [tenant <WORD>]

**Description:** Associate a PIM interface policy to this interface

**Syntax:**

interface-policy	interface-policy
<i>WORD</i>	PIM interface policy name (Max Size 64)
<i>WORD</i>	(Optional) Tenant where policy is defined

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim inherit interface-policy <WORD> [tenant <WORD>]
```

## ip pim inherit interface-policy <WORD> [tenant <WORD>]

**Description:** Associate a PIM interface policy to this interface

**Syntax:**

interface-policy	interface-policy
<i>WORD</i>	PIM interface policy name (Max size 64)

<i>WORD</i>	(Optional) Tenant where policy is defined
-------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim inherit interface-policy <WORD> [tenant <WORD>]
```

### **ip pim inherit interface-policy <WORD> [tenant <WORD>]**

**Description:** Associate a PIM interface policy to this interface

**Syntax:**

interface-policy	interface-policy
<i>WORD</i>	PIM interface policy name (Max Size 64)
<i>WORD</i>	(Optional) Tenant where policy is defined

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim inherit interface-policy <WORD> [tenant <WORD>]
```



## ip pim inter-vrf-src

**ip pim inter-vrf-src** <WORD> <WORD> [route-map <WORD>]

**Description:** Configure intervrf leaking for group range

**Syntax:**

<i>WORD</i>	Tenant name (Max Size 63)
<i>WORD</i>	VRF name (Max Size 64)
<i>WORD</i>	(Optional) route-map name

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim inter-vrf-src <WORD> <WORD> [route-map <WORD>]
```

## ip pim jp-interval

### ip pim jp-interval <NUMBER>

**Description:** Configures the Join-Prune interval for the interface

**Syntax:**

pim	pim
<60-65520>	JP Interval Value. Number range from=60 to=65520

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim jp-interval <NUMBER>
```

### ip pim jp-interval <NUMBER>

**Description:** Configures the Join-Prune interval for the interface

**Syntax:**

<60-65520>	JP Interval Value. Number range from=60 to=65520
------------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim jp-interval <NUMBER>
```

### ip pim jp-interval <NUMBER>

**Description:** Configures the Join-Prune interval for the interface

**Syntax:**

<60-65520>	JP Interval Value. Number range from=60 to=65520
------------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim jp-interval <NUMBER>
```

### ip pim jp-interval <NUMBER>

**Description:** Configures the Join-Prune interval for the interface

**Syntax:**

<60-65520>	JP Interval Value. Number range from=60 to=65520
------------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim jp-interval <NUMBER>
```

### ip pim jp-interval <NUMBER>

**Description:** Configures the Join-Prune interval for the interface

**Syntax:**

<60-65520>	JP Interval Value. Number range from=60 to=65520
------------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim jp-interval <NUMBER>
```

# ip pim jp-policy

## ip pim jp-policy <WORD> in|out

**Description:** Specify policy for receiving Join-Prune messages

### Syntax:

pim	pim
<i>WORD</i>	Route-map name
in	in
out	out

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim jp-policy <WORD> in|out
```

## ip pim jp-policy <WORD> in|out

**Description:** Specify policy for receiving Join-Prune messages

### Syntax:

<i>WORD</i>	Route-map name
in	in
out	out

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim jp-policy <WORD> in|out
```

## ip pim jp-policy <WORD> in|out

**Description:** Specify policy for receiving Join-Prune messages

### Syntax:

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

in	in
out	out

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim jp-policy <WORD> in|out
```

**ip pim jp-policy <WORD> in|out**

**Description:** Specify policy for receiving Join-Prune messages

**Syntax:**

<i>WORD</i>	Route-map name
in	in
out	out

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim jp-policy <WORD> in|out
```

**ip pim jp-policy <WORD> in|out**

**Description:** Specify policy for receiving Join-Prune messages

**Syntax:**

<i>WORD</i>	Route-map name
in	in
out	out

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim jp-policy <WORD> in|out
```

# ip pim mtu

**ip pim mtu** <NUMBER>

**Description:** Set PIM MTU size

**Syntax:**

<1500-65536>	MTU size in bytes. Number range from=1500 to=65536
--------------	--

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim mtu <NUMBER>
```

# ip pim neighbor-policy

## ip pim neighbor-policy <WORD>

**Description:** Configures a neighbor policy for filtering adjacencies

**Syntax:**

pim	pim
WORD	Route-map name

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim neighbor-policy <WORD>
```

## ip pim neighbor-policy <WORD>

**Description:** Configures a neighbor policy for filtering adjacencies

**Syntax:**

WORD	Route-map name
------	----------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim neighbor-policy <WORD>
```

## ip pim neighbor-policy <WORD>

**Description:** Configures a neighbor policy for filtering adjacencies

**Syntax:**

WORD	Route-map name
------	----------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ip pim neighbor-policy <WORD>
```

### ip pim neighbor-policy <WORD>

**Description:** Configures a neighbor policy for filtering adjacencies

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim neighbor-policy <WORD>
```

### ip pim neighbor-policy <WORD>

**Description:** Configures a neighbor policy for filtering adjacencies

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim neighbor-policy <WORD>
```



# ip pim passive

## ip pim passive

**Description:** Configures interface to be a passive interface

**Syntax:**

pim	pim
-----	-----

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim passive
```

## ip pim passive

**Description:** Configures interface to be a passive interface

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim passive
```

## ip pim passive

**Description:** Configures interface to be a passive interface

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim passive
```

## ip pim passive

**Description:** Configures interface to be a passive interface

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim passive
```

### ip pim passive

**Description:** Configures interface to be a passive interface

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim passive
```

## ip pim register-rate-limit

**ip pim register-rate-limit** <NUMBER>

**Description:** Rate limit for PIM data registers

**Syntax:**

<1-65535>	Max number of packets per second. Number range from=1 to=65535
-----------	--

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim register-rate-limit <NUMBER>
```

## ip pim register-source

**ip pim register-source <A.B.C.D>**

**Description:** Configure source address for Register messages

**Syntax:**

<i>A.B.C.D</i>	Source IP address in format A.B.C.D
----------------	-------------------------------------

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim register-source <A.B.C.D>
```

# ip pim rp-address

**ip pim rp-address** <A.B.C.D> [route-map <WORD>]

**Description:** Configure static RP for group range

**Syntax:**

<i>A.B.C.D</i>	IP address in format A.B.C.D
<i>WORD</i>	(Optional) route-map name

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim rp-address <A.B.C.D> [route-map <WORD>]
```

## ip pim sg-expiry-timer

**ip pim sg-expiry-timer** <NUMBER> [sg-list <WORD>]

**Description:** Adjust expiry time for PIM ASM (S,G) routes

**Syntax:**

<180-604801>	Expiry timer interval in seconds. Number range from=180 to=604801
WORD	(Optional) Route-map name

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim sg-expiry-timer <NUMBER> [sg-list <WORD>]
```

# ip pim sparse

## ip pim sparse

**Description:** Enable PIM on this interface

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim sparse
```

## ip pim sparse

**Description:** Enable PIM on this interface

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim sparse
```

## ip pim sparse

**Description:** Enable PIM on this interface

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim sparse
```

## ip pim sparse

**Description:** Enable PIM on this interface

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim sparse
```

## ip pim ssm route-map

**ip pim ssm route-map** <WORD>

**Description:** Associate route-map policy for SSM range

**Syntax:**

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

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

**Command Path:**

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



# ip pim state-limit

**ip pim state-limit <NUMBER>**

**Description:** Configure maximum state entries

**Syntax:**

<1-4294967295>	Maximum state entries. Number range from=1 to=4294967295
----------------	--

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim state-limit <NUMBER>
```

# ip pim state-limit reserved

**ip pim state-limit <NUMBER> reserved <WORD> <NUMBER>**

**Description:** Configure maximum state entries

**Syntax:**

<1-4294967295>	Maximum state entries. Number range from=1 to=4294967295
WORD	route-map name
<0-4294967295>	Maximum reserve state entries. Number range from=0 to=4294967295

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim state-limit <NUMBER> reserved <WORD> <NUMBER>
```

# ip pim strict-rfc-compliant

## ip pim strict-rfc-compliant

**Description:** Set PIM RFC Compliant

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim strict-rfc-compliant
```

## ip pim strict-rfc-compliant

**Description:** Set PIM RFC Compliant

**Syntax:**

pim	pim
-----	-----

**Command Mode:** template ip pim interface-policy : Create a PIM interface policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
(config-tenant-template-ip-pim)# ip pim strict-rfc-compliant
```

## ip pim strict-rfc-compliant

**Description:** Set PIM RFC Compliant

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip pim strict-rfc-compliant
```

## ip pim strict-rfc-compliant

**Description:** Set PIM RFC Compliant

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim strict-rfc-compliant
```

### **ip pim strict-rfc-compliant**

**Description:** Set PIM RFC Compliant

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip pim strict-rfc-compliant
```

### **ip pim strict-rfc-compliant**

**Description:** Set PIM RFC Compliant

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip pim strict-rfc-compliant
```

# ip pim use-shared-tree-only

**ip pim use-shared-tree-only group-list <WORD>**

**Description:** Use (\*,G) only state, no source state is created

**Syntax:**

group-list	group list
<i>WORD</i>	Route-map name

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

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
(config-tenant-vrf)# ip pim use-shared-tree-only group-list <WORD>
```

# ip prefix-list

**ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN>**

**Description:** Build a prefix-list

**Syntax:**

<i>WORD</i>	Name of prefix-list (Max Size 64)
permit	Specify routes to forward
<i>A.B.C.D/LEN   A:B::C:D/LEN</i>	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64

**Command Mode:** route-map : Create route-map or enter route-map command mode

**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>
(config-leaf-vrf-route-map)# ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN>
```

**ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN>**

**Description:** Build a prefix-list

**Syntax:**

<i>WORD</i>	Name of prefix-list (Max Size 64)
permit	Specify routes to forward
<i>A.B.C.D/LEN   A:B::C:D/LEN</i>	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64

**Command Mode:** route-map : Create route-map or enter route-map command mode

**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>
(config-leaf-vrf-route-map)# ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN>
```

# ip prefix-list permit le

**ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>**

**Description:** Maximum prefix length to be matched

**Syntax:**

<i>WORD</i>	Name of prefix-list (Max Size 64)
permit	Specify routes to forward
<i>A.B.C.D/LEN   A:B::C:D/LEN</i>	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64
32	Maximum prefix length

**Command Mode:** route-map : Create route-map or enter route-map command mode

**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>
(config-leaf-vrf-route-map)# ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN> le
<32>
```

**ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>**

**Description:** Maximum prefix length to be matched

**Syntax:**

<i>WORD</i>	Name of prefix-list (Max Size 64)
permit	Specify routes to forward
<i>A.B.C.D/LEN   A:B::C:D/LEN</i>	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64
32	Maximum prefix length

**Command Mode:** route-map : Create route-map or enter route-map command mode

**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>
(config-leaf-vrf-route-map)# ip prefix-list <WORD> permit <A.B.C.D/LEN | A:B::C:D/LEN> le
<32>
```

# ip prefix

**ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN>**

**Description:** IP prefix for route match

**Syntax:**

permit	Specify routes to forward
<i>A.B.C.D/LEN   A:B::C:D/LEN</i>	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64

**Command Mode:** template route group : Configure Route Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
(config-route-group)# ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN>
```

**ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN>**

**Description:** IP prefix for route match

**Syntax:**

permit	Specify routes to forward
<i>A.B.C.D/LEN   A:B::C:D/LEN</i>	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64

**Command Mode:** template route group : Configure Route Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
(config-route-group)# ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN>
```



# ip prefix permit le

**ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>**

**Description:** Maximum prefix length to be matched

**Syntax:**

permit	Specify routes to forward
<i>A.B.C.D/LEN   A:B::C:D/LEN</i>	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64
32	Maximum prefix length

**Command Mode:** template route group : Configure Route Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template route group <WORD> tenant <WORD>
(config-route-group)# ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>
```

**ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>**

**Description:** Maximum prefix length to be matched

**Syntax:**

permit	Specify routes to forward
<i>A.B.C.D/LEN   A:B::C:D/LEN</i>	IP prefix network/length, e.g., 35.0.0.0/8 or 2001::/64
32	Maximum prefix length

**Command Mode:** template route group : Configure Route Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template route group <WORD> tenant <WORD>
(config-route-group)# ip prefix permit <A.B.C.D/LEN | A:B::C:D/LEN> le <32>
```

# ip router eigrp

## ip router eigrp default

**Description:** Configure Router EIGRP Policies

**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip router eigrp default
```

## ip router eigrp default

**Description:** Configure EIGRP default interface

**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

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

## ip router eigrp default

**Description:** Configure EIGRP default interface

**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router eigrp default
```

**ip router eigrp default****Description:** Configure Router EIGRP Policies**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip router eigrp default
```

**ip router eigrp default****Description:** Configure EIGRP default interface**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip router eigrp default
```

**ip router eigrp default****Description:** Configure EIGRP default interface**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router eigrp default
```

# ip router ospf

## ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>

**Description:** OSPF configuration commands

**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)
area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>
```

## ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>

**Description:** OSPF configuration commands

**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)
area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>
```

## ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>

**Description:** OSPF configuration commands

**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)
area	Area associated with interface
<i>A.B.C.D/NUMBER</i>	OSPF area Id

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>
```

**ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>**

**Description:** OSPF configuration commands

**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)
area	Area associated with interface
<i>A.B.C.D/NUMBER</i>	OSPF area Id

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip router ospf default|multipod-internal area <A.B.C.D|NUMBER>
```

## ip router ospf default

**ip router ospf default area <A.B.C.D|NUMBER>**

**Description:** Process tag

**Syntax:**

area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip router ospf default area <A.B.C.D|NUMBER>
```

**ip router ospf default area <A.B.C.D|NUMBER>**

**Description:** Process tag

**Syntax:**

area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip router ospf default area <A.B.C.D|NUMBER>
```

# ip shared address consumer

**ip shared address <A.B.C.D/LEN> consumer application any epg any**

**Description:** Shared consumed service

**Syntax:**

address	IPv4 subnet
<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
application	application keyword
any	any application
epg	epg keyword
any	any EPG

**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)# ip shared address <A.B.C.D/LEN> consumer application any epg any
```

## ip shared address provider

**ip shared address** <A.B.C.D/LEN> provider application <WORD> epg <WORD> [scope <scope>]

**Description:** Shared provider service

**Syntax:**

address	IPv4 subnet
<i>A.B.C.D/LEN</i>	IP prefix and network mask length in format x.x.x.x/m
application	application keyword
<i>WORD</i>	Application Name (Max Size 64)
epg	epg keyword
<i>WORD</i>	Application EPG (Max Size 64)
<i>scope</i>	(Optional) Scope of the address among ['public']

**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)# ip shared address <A.B.C.D/LEN> provider application <WORD> epg
<WORD> [scope <scope>]
```



# ip split-horizon

## ip split-horizon eigrp default

**Description:** Set the split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip split-horizon eigrp default
```

## ip split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip split-horizon eigrp default
```

## ip split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip split-horizon eigrp default
```

### ip split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip split-horizon eigrp default
```

### ip split-horizon eigrp default

**Description:** Set the split-horizon flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip split-horizon eigrp default
```

### ip split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

#### Syntax:

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip split-horizon eigrp default
```

**ip split-horizon eigrp default**

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip split-horizon eigrp default
```

**ip split-horizon eigrp default**

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip split-horizon eigrp default
```

## ip summary-address eigrp

**ip summary-address eigrp default <IP-PREFIX/LEN>**

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summary IPV4 address (e.g. 10.0.0.0/8)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

**ip summary-address eigrp default <IP-PREFIX/LEN>**

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summary IPV4 address (e.g. 10.0.0.0/8)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

**ip summary-address eigrp default <IP-PREFIX/LEN>**

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summary IPV4 address (e.g. 10.0.0.0/8)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

### ip summary-address eigrp default <IP-PREFIX/LEN>

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summary IPV4 address (e.g. 10.0.0.0/8)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

### ip summary-address eigrp default <IP-PREFIX/LEN>

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summary IPV4 address (e.g. 10.0.0.0/8)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

### ip summary-address eigrp default <IP-PREFIX/LEN>

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summary IPV4 address (e.g. 10.0.0.0/8)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip summary-address eigrp default <IP-PREFIX/LEN>
```

# ip throughput-delay

**ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico**

**Description:** Set EIGRP throughput delay

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico**

**Description:** Set EIGRP throughput delay

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico****Description:** Set EIGRP throughput delay**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico****Description:** Set EIGRP throughput delay**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico****Description:** Set EIGRP throughput delay**Syntax:**



eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** template eigrp interface-policy : Configure EIGRP Interface policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp interface-policy <WORD> tenant <WORD>
(config-template-eigrp-if-pol)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico**

**Description:** Set EIGRP throughput delay

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico**

**Description:** Set EIGRP throughput delay

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico**

**Description:** Set EIGRP throughput delay

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ip throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

# ip ttl

## ip ttl <ttl>

**Description:** TTL

**Syntax:**

<i>ttl</i>	ttl value. Number range from=1 to=255
------------	---------------------------------------

**Command Mode:** destination tenant : Configure monitor remote destination

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor access session <session_name>
(config-monitor-access)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-access-dest)# ip ttl <ttl>
```

## ip ttl <ttl>

**Description:** TTL

**Syntax:**

<i>ttl</i>	ttl value. Number range from=1 to=255
------------	---------------------------------------

**Command Mode:** destination : Configure monitor remote destination

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor fabric session <session_name>
(config-monitor-fabric)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
(config-monitor-fabric-dest)# ip ttl <ttl>
```

## ip ttl <arg>

**Description:** TTL

**Syntax:**

<i>arg</i>	ttl value. Number range from=1 to=255
------------	---------------------------------------

**Command Mode:** destination : Configure monitor remote destination

**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor tenant <tenant_name> session <WORD>
(config-monitor-tenant)# destination tenant <tenant_name> application <application_name>
epg <epg_name> destination-ip <A.B.C.D> source-ip-prefix <A.B.C.D/M>
```

```
(config-monitor-tenant-dest)# ip ttl <>
```

**ip ttl <arg>****Description:** Configure TTL**Syntax:**

<i>arg</i>	TTL value. Number range from=1 to=255
------------	---------------------------------------

**Command Mode:** destination destip : Configure monitor remote destination**Command Path:**

```
# configure [['terminal', 't']]
(config)# monitor virtual session <WORD>
(config-monitor-virtual)# destination destip <A.B.C.D>
(config-monitor-virtual-remote-dest)# ip ttl <>
```

# ipdataplanelearning

## ipdataplanelearning disabled

**Description:** Disable ipDataPlaneLearning Vrf Knob

**Syntax:**

disabled	Disable ipDataPlaneLearning Vrf Knob
----------	--------------------------------------

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

**Command Path:**

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

# ipobtainmode

## ipobtainmode learn|admin|autoconfig

**Description:** Mode to obtain Virtual IP Address

**Syntax:**

learn	learn IP from HSRP peer
admin	Address is configured
autoconfig	Auto configure ipv6 address

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ipobtainmode learn|admin|autoconfig
```

## ipobtainmode learn|admin|autoconfig

**Description:** Mode to obtain Virtual IP Address

**Syntax:**

learn	learn IP from HSRP peer
admin	Address is configured
autoconfig	Auto configure ipv6 address

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ipobtainmode learn|admin|autoconfig
```

## ipobtainmode learn|admin|autoconfig

**Description:** Mode to obtain Virtual IP Address

**Syntax:**

learn	learn IP from HSRP peer
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admin	Address is configured
autoconfig	Auto configure ipv6 address

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ipobtainmode learn|admin|autoconfig
```

### ipobtainmode learn|admin|autoconfig

**Description:** Mode to obtain Virtual IP Address

**Syntax:**

learn	learn IP from HSRP peer
admin	Address is configured
autoconfig	Auto configure ipv6 address

**Command Mode:** hsrp group : Configure HSRP Group

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# hsrp group <NUMBER> [['ipv4', 'ipv6']]
(config-if-hsrp)# ipobtainmode learn|admin|autoconfig
```

# iprange

**iprange** <startip> <endip>

**Description:** Add ip pool

**Syntax:**

<i>startip</i>	startip
<i>endip</i>	endip

**Command Mode:** microsoft : Configure static IP pool

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# microsoft static-ip-pool <name> gateway <gwAddress>
(config-tenant-app-epg-ms-ip-pool)# iprange <startip> <endip>
```



# ipsla-pol

**ipsla-pol** <WORD>

**Description:** Configure IPSLA Monitoring Policy

**Syntax:**

<i>WORD</i>	IP SLA Monitoring Policy Name (Max Size 64)
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**Command Mode:** tenant : Tenant configuration mode

**Command Path:**

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

# ipv6-router

## ipv6-router

**Description:** Config IPv6 router 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)# ipv6-router
```

# ipv6

**ipv6 route <A:B::C:D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>**

**Description:** Configure IPv6 features

**Syntax:**

route	Configure IPv6 unicast static route
<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
<i>ipAddress null</i>	
<i>&lt;ZeroorPref&gt;</i>	
<i>&lt;BfdorPref&gt;</i>	

**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)# ipv6 route <A:B::C:D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>
```

**ipv6 route <A:B::C:D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>**

**Description:** Configure IPv6 features

**Syntax:**

route	Configure IPv6 unicast static route
<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
<i>ipAddress null</i>	
<i>&lt;ZeroorPref&gt;</i>	
<i>&lt;BfdorPref&gt;</i>	

**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)# ipv6 route <A:B::C:D/LEN> <ipAddress|null> <ZeroorPref> <BfdorPref>
```

# ipv6 address-range

**ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>**

**Description:** Configure IPv6 Address Range

**Syntax:**

<i>A:B:C::X/LEN</i>	IPv6 address and network mask length
gateway	Configure gateway address on interface
<i>A:B:C:X</i>	Gateway IPv6 address

**Command Mode:** interface mgmt0 : Out of band management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>
```

**ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>**

**Description:** Configure IPv6 Address Range

**Syntax:**

<i>A:B:C::X/LEN</i>	IPv6 address and network mask length
gateway	Configure gateway address on interface
<i>A:B:C:X</i>	Gateway IPv6 address

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>
```

**ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>**

**Description:** Configure IPv6 Address Range

**Syntax:**

<i>A:B:C::X/LEN</i>	IPv6 address and network mask length
gateway	Configure gateway address on interface

<i>A:B:C:X</i>	Gateway IPv6 address
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**Command Mode:** interface mgmt0 : Out of band management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>
```

**ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>**

**Description:** Configure IPv6 Address Range

**Syntax:**

<i>A:B:C::X/LEN</i>	IPv6 address and network mask length
gateway	Configure gateway address on interface
<i>A:B:C:X</i>	Gateway IPv6 address

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# ipv6 address-range <A:B:C::X/LEN> gateway <A:B:C:X>
```

# ipv6 address

**ipv6 address <A:B::C:D/LEN> [scope <scope>] [preferred] [suppress-nd] [eui64]**

**Description:** Define an IPv6 subnet to be exported by the BD

**Syntax:**

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
<i>scope</i>	(Optional) Scope of the address among ['public', 'private']
<i>preferred</i>	(Optional) Set the address as preferred address
<i>suppress-nd</i>	(Optional) Suppress the Neighbor Discovery on this subnet
<i>eui64</i>	(Optional) Use eui64 interface identifier

**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)# ipv6 address <A:B::C:D/LEN> [scope <scope>] [preferred]
[suppress-nd] [eui64]
```

**ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]**

**Description:** Configure IPv6 address on interface

**Syntax:**

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
<i>eui64</i>	Configure Extended Unique Identifier for the low-order 64 bits
<i>preferred</i>	(Optional) Configure IPv6 address as preferred
<i>dad-disable</i>	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

**ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]****Description:** Configure IPv6 address on interface**Syntax:**

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

**ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]****Description:** Configure IPv6 address on interface**Syntax:**

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

**ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]****Description:** Configure IPv6 address on interface**Syntax:**

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
---------------------	--

eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

**ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]**

**Description:** Configure IPv6 address on interface

**Syntax:**

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

**ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]**

**Description:** Configure IPv6 address on interface

**Syntax:**

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
eui64	Configure Extended Unique Identifier for the low-order 64 bits
preferred	(Optional) Configure IPv6 address as preferred
dad-disable	(Optional) Disable Duplicate Address Detection (DAD) for this IP Address



**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 address <A:B::C:D/LEN> eui64 [preferred] [dad-disable]
```

**ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>**

**Description:** Configure IP and gateway features

**Syntax:**

<i>A:B:C::X/LEN</i>	IPv6 address and network mask length
gateway	Configure gateway address on interface
<i>A:B:C::X</i>	Gateway IPv6 address

**Command Mode:** interface mgmt0 : Out of band management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface mgmt0
(config-controller-if)# ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>
```

**ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>**

**Description:** Configure IPv6 Address and Gateway

**Syntax:**

<i>A:B:C::X/LEN</i>	IPv6 address and network mask length
gateway	Configure gateway address on interface
<i>A:B:C::X</i>	Gateway IPv6 address

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>
```

**ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>**

**Description:** Configure IP and gateway features

**Syntax:**

<i>A:B:C::X/LEN</i>	IPv6 address and network mask length
gateway	Configure gateway address on interface
<i>A:B:C::X</i>	Gateway IPv6 address

**Command Mode:** interface mgmt0 : Out of band management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface mgmt0
(config-switch-if)# ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>
```

**ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>**

**Description:** Configure IPv6 Address and Gateway

**Syntax:**

<i>A:B:C::X/LEN</i>	IPv6 address and network mask length
gateway	Configure gateway address on interface
<i>A:B:C::X</i>	Gateway IPv6 address

**Command Mode:** interface inband-mgmt0 : Inband management interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# switch
(config-switch)# interface inband-mgmt0
(config-switch-if)# ipv6 address <A:B:C::X/LEN> gateway <A:B:C::X>
```

# ipv6 address tenant application

**ipv6 address <A:B::C:D> tenant <WORD> application <WORD> epg <WORD>**

**Description:** Add a new server relay address under an AEPg

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx:xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
<i>WORD</i>	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
<i>WORD</i>	AEPg behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> application <WORD> epg
<WORD>
```

**ipv6 address <A:B::C:D> tenant <WORD> application <WORD> epg <WORD>**

**Description:** Add a new server relay address under an AEPg

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx:xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
<i>WORD</i>	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
<i>WORD</i>	AEPg behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
```

```
(config-tenant-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> application  
<WORD> epg <WORD>
```

## ipv6 address tenant external-l2

**ipv6 address <A:B::C:D> tenant <WORD> external-l2 epg <WORD>**

**Description:** Add a new server relay address under a L2 External EPG

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
<i>WORD</i>	l2 external EPG behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> external-l2 epg <WORD>
```

**ipv6 address <A:B::C:D> tenant <WORD> external-l2 epg <WORD>**

**Description:** Add a new server relay address under a L2 External EPG

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
<i>WORD</i>	l2 external EPG behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> external-l2 epg
<WORD>
```

# ipv6 address tenant external-l3

**ipv6 address <A:B::C:D> tenant <WORD> external-l3 epg <WORD>**

**Description:** Add a new server relay address under a L3 External EPG

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
<i>WORD</i>	l3 external EPG behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template dhcp relay policy <WORD>
(config-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> external-l3 epg <WORD>
```

**ipv6 address <A:B::C:D> tenant <WORD> external-l3 epg <WORD>**

**Description:** Add a new server relay address under a L3 External EPG

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
<i>WORD</i>	l3 external EPG behind which the DHCP server sits (Max Size 64)

**Command Mode:** template dhcp relay : Create a DHCP Relay policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template dhcp relay policy <WORD>
(config-tenant-template-dhcp-relay)# ipv6 address <A:B::C:D> tenant <WORD> external-l3 epg <WORD>
```

# ipv6 bandwidth

## ipv6 bandwidth eigrp default <NUMBER>

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

## ipv6 bandwidth eigrp default <NUMBER>

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

## ipv6 bandwidth eigrp default <NUMBER>

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000
----------------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

**ipv6 bandwidth eigrp default <NUMBER>**

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

**ipv6 bandwidth eigrp default <NUMBER>**

**Description:** Set EIGRP bandwidth

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```



**ipv6 bandwidth eigrp default <NUMBER>****Description:** Set EIGRP bandwidth**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-2560000000>	bandwidth in kbps. Number range from=0 to=2560000000

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 bandwidth eigrp default <NUMBER>
```

# ipv6 bfd

## ipv6 bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 bfd eigrp enable
```

## ipv6 bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 bfd eigrp enable
```

## ipv6 bfd eigrp enable

**Description:** Enable EIGRP Bidirectional Forwarding Detection

**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 bfd eigrp enable
```

**ipv6 bfd eigrp enable****Description:** Enable EIGRP Bidirectional Forwarding Detection**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 bfd eigrp enable
```

**ipv6 bfd eigrp enable****Description:** Enable EIGRP Bidirectional Forwarding Detection**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 bfd eigrp enable
```

**ipv6 bfd eigrp enable****Description:** Enable EIGRP Bidirectional Forwarding Detection**Syntax:**

eigrp	EIGRP
enable	Enable BFD

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 bfd eigrp enable
```

# ipv6 dhcp relay address tenant application

**ipv6 dhcp relay address** <A:B::C:D> tenant <WORD> application <WORD> epg <WORD>

**Description:** Add a new server relay address under an AEPg

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
<i>WORD</i>	Application hosting the EPG (Max Size 64)
epg	AEPg behind which the DHCP server sits
<i>WORD</i>	AEPg behind which the DHCP server sits (Max Size 64)

**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)# ipv6 dhcp relay address <A:B::C:D> tenant <WORD> application
<WORD> epg <WORD>
```

## ipv6 dhcp relay address tenant external-l2

**ipv6 dhcp relay address** <A:B::C:D> tenant <WORD> external-l2 epg <WORD>

**Description:** Add a new server relay address under a L2 External EPG

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx:xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	epg keyword
<i>WORD</i>	l2 external EPG behind which the DHCP server sits (Max Size 64)

**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)# ipv6 dhcp relay address <A:B::C:D> tenant <WORD> external-l2 epg
<WORD>
```

## ipv6 dhcp relay address tenant external-l3

**ipv6 dhcp relay address** <A:B::C:D> tenant <WORD> external-l3 epg <WORD>

**Description:** Add a new server relay address under a L3 External EPG

**Syntax:**

<i>A:B::C:D</i>	IPv6 address in format xxxx:xxxx, xxxx::xx
tenant	Tenant hosting the DHCP server
<i>WORD</i>	Tenant hosting the EPG (Max Size 63)
epg	EPG keyword
<i>WORD</i>	l3 external EPG behind which the DHCP server sits (Max Size 64)

**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)# ipv6 dhcp relay address <A:B::C:D> tenant <WORD> external-l3 epg
<WORD>
```

# ipv6 distribute-list eigrp

## ipv6 distribute-list eigrp default route-map <WORD> out

**Description:** Configure distribute-list EIGRP route-map

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

## ipv6 distribute-list eigrp default route-map <WORD> out

**Description:** Configure distribute-list EIGRP Policies

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

## ipv6 distribute-list eigrp default route-map <WORD> out

**Description:** Configure distribute-list EIGRP Policies

**Syntax:**



default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

### ipv6 distribute-list eigrp default route-map <WORD> out

**Description:** Configure distribute-list EIGRP route-map

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

### ipv6 distribute-list eigrp default route-map <WORD> out

**Description:** Configure distribute-list EIGRP Policies

**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

**ipv6 distribute-list eigrp default route-map <WORD> out****Description:** Configure distribute-list EIGRP Policies**Syntax:**

default	EIGRP default instance
route-map	route map
<i>WORD</i>	Route-map name (Max Size 64)
out	out

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 distribute-list eigrp default route-map <WORD> out
```

# ipv6 flow

## ipv6 flow monitor <WORD>

**Description:** Configure Netflow on the Policy Group

**Syntax:**

monitor	Configure Netflow on the Policy Group
WORD	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** template policy-group : Configure Policy Group Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# ipv6 flow monitor <WORD>
```

## ipv6 flow monitor <WORD>

**Description:** Configure Netflow on the Interface

**Syntax:**

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** template port-channel : Configure Port-Channel Parameters

**Command Path:**

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-po-ch-if)# ipv6 flow monitor <WORD>
```

## ipv6 flow monitor <WORD>

**Description:** Configure Netflow on the Interface

**Syntax:**

monitor	Configure Netflow on the Interface
WORD	Netflow Monitor Policy Name (Max Size 64)

**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)# ipv6 flow monitor <WORD>
```

**ipv6 flow monitor <WORD>**

**Description:** Configure Netflow on the Interface

**Syntax:**

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 flow monitor <WORD>
```

**ipv6 flow monitor <arg>**

**Description:** Configure Netflow on the Interface

**Syntax:**

monitor	Configure Netflow on the Interface
<i>arg</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 flow monitor <>
```

**ipv6 flow monitor <WORD>**

**Description:** Configure Netflow on the Interface

**Syntax:**

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 flow monitor <WORD>
```

**ipv6 flow monitor <WORD>****Description:** Configure Netflow on the Interface**Syntax:**

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 flow monitor <WORD>
```

**ipv6 flow monitor <arg>****Description:** Configure Netflow on the Interface**Syntax:**

monitor	Configure Netflow on the Interface
<i>arg</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 flow monitor <>
```

**ipv6 flow monitor <WORD>****Description:** Configure Netflow on the Interface**Syntax:**

monitor	Configure Netflow on the Interface
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 flow monitor <WORD>
```

**ipv6 flow monitor <WORD>**

**Description:** Configure Netflow on the VPC

**Syntax:**

monitor	Configure Netflow on the VPC
<i>WORD</i>	Netflow Monitor Policy Name (Max Size 64)

**Command Mode:** interface : Provide VPC Name

**Command Path:**

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# ipv6 flow monitor <WORD>
```

# ipv6 hello-interval

## ipv6 hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

## ipv6 hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

## ipv6 hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

<1-65535>	Hello interval time in seconds. Number range from=1 to=65535
-----------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

### ipv6 hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

### ipv6 hello-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hello interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```



**ipv6 hello-interval eigrp default <NUMBER>****Description:** Set EIGRP Hello interval time**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hello interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 hello-interval eigrp default <NUMBER>
```

# ipv6 hold-interval

## ipv6 hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

## ipv6 hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

## ipv6 hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

<1-65535>	Hold interval time in seconds. Number range from=1 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

### ipv6 hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

### ipv6 hold-interval eigrp default <NUMBER>

**Description:** Set EIGRP Hold interval time

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

**ipv6 hold-interval eigrp default <NUMBER>****Description:** Set EIGRP Hold interval time**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<1-65535>	Hold interval time in seconds. Number range from=1 to=65535

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 hold-interval eigrp default <NUMBER>
```

# ipv6 link-local

## ipv6 link-local <A:B::C:D>

**Description:** Configure IPv6 link-local address

**Syntax:**

A:B::C:D	IPv6 address in format xxxx:xxxx, xxxx::xx
----------	--

**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)# ipv6 link-local <A:B::C:D>
```

## ipv6 link-local <X:X:X:X>

**Description:** Configure IPv6 link-local address

**Syntax:**

X:X:X:X::X	IPv6 link-local address
------------	-------------------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

## ipv6 link-local <X:X:X:X>

**Description:** Configure IPv6 link-local address

**Syntax:**

X:X:X:X::X	IPv6 link-local address
------------	-------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

**ipv6 link-local <X:X:X:X>**

**Description:** Configure IPv6 link-local address

**Syntax:**

X:X:X:X::X	IPv6 link-local address
------------	-------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

**ipv6 link-local <X:X:X:X>**

**Description:** Configure IPv6 link-local address

**Syntax:**

X:X:X:X::X	IPv6 link-local address
------------	-------------------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

**ipv6 link-local <X:X:X:X>**

**Description:** Configure IPv6 link-local address

**Syntax:**

X:X:X:X::X	IPv6 link-local address
------------	-------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

**ipv6 link-local <X:X:X:X>**

**Description:** Configure IPv6 link-local address

**Syntax:**

X:X:X:X::X	IPv6 link-local address
------------	-------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 link-local <X:X:X:X::X>
```

# ipv6 nd hop-limit

## ipv6 nd hop-limit <NUMBER>

**Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**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)# ipv6 nd hop-limit <NUMBER>
```

## ipv6 nd hop-limit <NUMBER>

**Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd hop-limit <NUMBER>
```

## ipv6 nd hop-limit <NUMBER>

**Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd hop-limit <NUMBER>
```



**ipv6 nd hop-limit <NUMBER>****Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

**ipv6 nd hop-limit <NUMBER>****Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

**ipv6 nd hop-limit <NUMBER>****Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

**ipv6 nd hop-limit <NUMBER>****Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd hop-limit <NUMBER>
```

**ipv6 nd hop-limit <NUMBER>**

**Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

**ipv6 nd hop-limit <NUMBER>**

**Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

**ipv6 nd hop-limit <NUMBER>**

**Description:** Set the hop limit to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<0-255>	Hop Limit. Number range from=0 to=255
---------	---------------------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd hop-limit <NUMBER>
```

## ipv6 nd managed-config-flag

### ipv6 nd managed-config-flag

**Description:** Use stateful address auto-configuration to obtain address information

**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)# ipv6 nd managed-config-flag
```

### ipv6 nd managed-config-flag

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd managed-config-flag
```

### ipv6 nd managed-config-flag

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd managed-config-flag
```

### ipv6 nd managed-config-flag

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd managed-config-flag
```

**ipv6 nd managed-config-flag**

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd managed-config-flag
```

**ipv6 nd managed-config-flag**

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd managed-config-flag
```

**ipv6 nd managed-config-flag**

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd managed-config-flag
```

**ipv6 nd managed-config-flag**

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd managed-config-flag
```

**ipv6 nd managed-config-flag**

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd managed-config-flag
```

### **ipv6 nd managed-config-flag**

**Description:** Use stateful address auto-configuration to obtain address information

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd managed-config-flag
```

# ipv6 nd mtu

## ipv6 nd mtu <NUMBER>

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**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)# ipv6 nd mtu <NUMBER>
```

## ipv6 nd mtu <NUMBER>

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd mtu <NUMBER>
```

## ipv6 nd mtu <NUMBER>

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd mtu <NUMBER>
```

**ipv6 nd mtu <NUMBER>**

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

**ipv6 nd mtu <NUMBER>**

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

**ipv6 nd mtu <NUMBER>**

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

**ipv6 nd mtu <NUMBER>**

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**



<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd mtu <NUMBER>
```

**ipv6 nd mtu <NUMBER>**

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

**ipv6 nd mtu <NUMBER>**

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

**ipv6 nd mtu <NUMBER>**

**Description:** Set the mtu to be advertised in IPv6 neighbor discovery packets

**Syntax:**

<1280-9000>	MTU value. Number range from=1280 to=9000
-------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd mtu <NUMBER>
```

# ipv6 nd ns-interval

## ipv6 nd ns-interval <NUMBER>

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**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)# ipv6 nd ns-interval <NUMBER>
```

## ipv6 nd ns-interval <NUMBER>

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd ns-interval <NUMBER>
```

## ipv6 nd ns-interval <NUMBER>

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ns-interval <NUMBER>
```

**ipv6 nd ns-interval <NUMBER>**

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

**ipv6 nd ns-interval <NUMBER>**

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

**ipv6 nd ns-interval <NUMBER>**

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

**ipv6 nd ns-interval <NUMBER>**

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ns-interval <NUMBER>
```

### ipv6 nd ns-interval <NUMBER>

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

### ipv6 nd ns-interval <NUMBER>

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

### ipv6 nd ns-interval <NUMBER>

**Description:** Set the retransmission interval between IPv6 neighbor solicitation messages

**Syntax:**

<1000-3600000>	Interval value. Number range from=1000 to=3600000
----------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ns-interval <NUMBER>
```

## ipv6 nd ns-retries

### ipv6 nd ns-retries <NUMBER>

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**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)# ipv6 nd ns-retries <NUMBER>
```

### ipv6 nd ns-retries <NUMBER>

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd ns-retries <NUMBER>
```

### ipv6 nd ns-retries <NUMBER>

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ns-retries <NUMBER>
```

**ipv6 nd ns-retries <NUMBER>**

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

**ipv6 nd ns-retries <NUMBER>**

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

**ipv6 nd ns-retries <NUMBER>**

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

**ipv6 nd ns-retries <NUMBER>**

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**



<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ns-retries <NUMBER>
```

### ipv6 nd ns-retries <NUMBER>

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

### ipv6 nd ns-retries <NUMBER>

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

### ipv6 nd ns-retries <NUMBER>

**Description:** Set the retry count for for sending neighbor solicitation messages

**Syntax:**

<1-100>	Number of retries. Number range from=1 to=100
---------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ns-retries <NUMBER>
```

# ipv6 nd other-config-flag

## ipv6 nd other-config-flag

**Description:** Use stateful auto-configuration to obtain NON-address information

**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)# ipv6 nd other-config-flag
```

## ipv6 nd other-config-flag

**Description:** Use stateful auto-configuration to obtain NON-address information

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd other-config-flag
```

## ipv6 nd other-config-flag

**Description:** Use stateful auto-configuration to obtain NON-address information

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd other-config-flag
```

## ipv6 nd other-config-flag

**Description:** Use stateful auto-configuration to obtain NON-address information

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd other-config-flag
```

**ipv6 nd other-config-flag****Description:** Use stateful auto-configuration to obtain NON-address information**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd other-config-flag
```

**ipv6 nd other-config-flag****Description:** Use stateful auto-configuration to obtain NON-address information**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd other-config-flag
```

**ipv6 nd other-config-flag****Description:** Use stateful auto-configuration to obtain NON-address information**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd other-config-flag
```

**ipv6 nd other-config-flag****Description:** Use stateful auto-configuration to obtain NON-address information**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd other-config-flag
```

**ipv6 nd other-config-flag****Description:** Use stateful auto-configuration to obtain NON-address information

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd other-config-flag
```

### ipv6 nd other-config-flag

**Description:** Use stateful auto-configuration to obtain NON-address information

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd other-config-flag
```

# ipv6 nd policy

**ipv6 nd policy <WORD>**

**Description:** Associate the BD with an IPv6 Neighbor Discovery policy

**Syntax:**

<i>WORD</i>	Name of the policy to associate (Max Size 64)
-------------	---

**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)# ipv6 nd policy <WORD>
```

# ipv6 nd prefix

**ipv6 nd prefix** <A:B::C:D/LEN> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

**Description:** Advertise in Neighbor Discover a Prefix and configure the parameters

**Syntax:**

<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

**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)# ipv6 nd prefix <A:B::C:D/LEN> <NUMBER> <NUMBER> [no-autoconfig]
[no-onlink] [router-address]
```

**ipv6 nd prefix** <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]

**Description:** Advertise in Neighbor Discover a Prefix and configure the parameters

**Syntax:**

<0-4294967295>	Lifetime to advertise for the prefix, in milliseconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in milliseconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

**Command Mode:** template ipv6 nd prefix : Create/modify an an IPv6 Neighbor Prefix policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd prefix policy <WORD>
(config-tenant-template-ipv6-nd-pfx)# ipv6 nd prefix <NUMBER> <NUMBER> [no-autoconfig]
[no-onlink] [router-address]
```

**ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]**

**Description:** Advertise in Neighbor Discover a Prefix and configure the parameters

**Syntax:**

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink]
[router-address]
```

**ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]**

**Description:** Advertise in Neighbor Discover a Prefix and configure the parameters

**Syntax:**

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts



**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink]
[router-address]
```

**ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]**

**Description:** Advertise in Neighbor Discover a Prefix and configure the parameters

**Syntax:**

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear
no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink]
[router-address]
```

**ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink] [router-address]**

**Description:** Advertise in Neighbor Discover a Prefix and configure the parameters

**Syntax:**

WORD	WORD
<0-4294967295>	Lifetime to advertise for the prefix, in seconds. Number range from=0 to=4294967295
<0-4294967295>	Preferred lifetime to advertise, in seconds. Number range from=0 to=4294967295
no-autoconfig	(Optional) advertise with A bit clear

no-onlink	(Optional) advertise with L bit clear
router-address	(Optional) Set this prefix as usable as default gateway by the hosts

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd prefix <WORD> <NUMBER> <NUMBER> [no-autoconfig] [no-onlink]
[router-address]
```

# ipv6 nd ra-interval

## ipv6 nd ra-interval <NUMBER>

**Description:** Set the interval between sending ICMPv6 router advertisement messages

**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**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)# ipv6 nd ra-interval <NUMBER>
```

## ipv6 nd ra-interval <NUMBER>

**Description:** Set the interval between sending ICMPv6 router advertisement messages

**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd ra-interval <NUMBER>
```

## ipv6 nd ra-interval <NUMBER>

**Description:** Set the interval between sending ICMPv6 router advertisement messages

**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ra-interval <NUMBER>
```

**ipv6 nd ra-interval <NUMBER>****Description:** Set the interval between sending ICMPv6 router advertisement messages**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

**ipv6 nd ra-interval <NUMBER>****Description:** Set the interval between sending ICMPv6 router advertisement messages**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

**ipv6 nd ra-interval <NUMBER>****Description:** Set the interval between sending ICMPv6 router advertisement messages**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

**ipv6 nd ra-interval <NUMBER>****Description:** Set the interval between sending ICMPv6 router advertisement messages**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ra-interval <NUMBER>
```

### ipv6 nd ra-interval <NUMBER>

**Description:** Set the interval between sending ICMPv6 router advertisement messages

**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

### ipv6 nd ra-interval <NUMBER>

**Description:** Set the interval between sending ICMPv6 router advertisement messages

**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

### ipv6 nd ra-interval <NUMBER>

**Description:** Set the interval between sending ICMPv6 router advertisement messages

**Syntax:**

<200-1800>	Interval in seconds. Number range from=200 to=1800
------------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ra-interval <NUMBER>
```

# ipv6 nd ra-lifetime

## ipv6 nd ra-lifetime <NUMBER>

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**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)# ipv6 nd ra-lifetime <NUMBER>
```

## ipv6 nd ra-lifetime <NUMBER>

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd ra-lifetime <NUMBER>
```

## ipv6 nd ra-lifetime <NUMBER>

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ra-lifetime <NUMBER>
```

**ipv6 nd ra-lifetime <NUMBER>**

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

**ipv6 nd ra-lifetime <NUMBER>**

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

**ipv6 nd ra-lifetime <NUMBER>**

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

**ipv6 nd ra-lifetime <NUMBER>**

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**



<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd ra-lifetime <NUMBER>
```

### ipv6 nd ra-lifetime <NUMBER>

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

### ipv6 nd ra-lifetime <NUMBER>

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

### ipv6 nd ra-lifetime <NUMBER>

**Description:** Set the router lifetime of a default router in ICMPv6 router advertisement messages

**Syntax:**

<0-9000>	Lifetime in seconds. Number range from=0 to=9000
----------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd ra-lifetime <NUMBER>
```

# ipv6 nd reachable-time

## ipv6 nd reachable-time <NUMBER>

**Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages

**Syntax:**

<0-3600000>	Reachable timer in seconds. Number range from=0 to=3600000
-------------	--

**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)# ipv6 nd reachable-time <NUMBER>
```

## ipv6 nd reachable-time <NUMBER>

**Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages

**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd reachable-time <NUMBER>
```

## ipv6 nd reachable-time <NUMBER>

**Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages

**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd reachable-time <NUMBER>
```

**ipv6 nd reachable-time <NUMBER>****Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

**ipv6 nd reachable-time <NUMBER>****Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

**ipv6 nd reachable-time <NUMBER>****Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

**ipv6 nd reachable-time <NUMBER>****Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd reachable-time <NUMBER>
```

### ipv6 nd reachable-time <NUMBER>

**Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages

**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

### ipv6 nd reachable-time <NUMBER>

**Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages

**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

### ipv6 nd reachable-time <NUMBER>

**Description:** Set the time for reachability confirmation in ICMPv6 router advertisement messages

**Syntax:**

<0-3600000>	Reachable timer in milliseconds. Number range from=0 to=3600000
-------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd reachable-time <NUMBER>
```

# ipv6 nd retrans-timer

## ipv6 nd retrans-timer <NUMBER>

**Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

### Syntax:

<0-4294967295>	Retransmit timer, in seconds. Number range from=0 to=4294967295
----------------	---

**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)# ipv6 nd retrans-timer <NUMBER>
```

## ipv6 nd retrans-timer <NUMBER>

**Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

### Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

### Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd retrans-timer <NUMBER>
```

## ipv6 nd retrans-timer <NUMBER>

**Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

### Syntax:

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

### Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd retrans-timer <NUMBER>
```

**ipv6 nd retrans-timer <NUMBER>****Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement**Syntax:**

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

**ipv6 nd retrans-timer <NUMBER>****Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement**Syntax:**

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

**ipv6 nd retrans-timer <NUMBER>****Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement**Syntax:**

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

**ipv6 nd retrans-timer <NUMBER>****Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement**Syntax:**



<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd retrans-timer <NUMBER>
```

### ipv6 nd retrans-timer <NUMBER>

**Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

**Syntax:**

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

### ipv6 nd retrans-timer <NUMBER>

**Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

**Syntax:**

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

### ipv6 nd retrans-timer <NUMBER>

**Description:** Set the time between neighbor solicitation (NS) messages in ICMPv6 router advertisement

**Syntax:**

<0-4294967295>	Retransmit timer in milliseconds. Number range from=0 to=4294967295
----------------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd retrans-timer <NUMBER>
```

# ipv6 nd suppress-ra-mtu

## ipv6 nd suppress-ra-mtu

**Description:** Disable sending MTU option in ICMPv6 router advertisement messages

**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)# ipv6 nd suppress-ra-mtu
```

## ipv6 nd suppress-ra-mtu

**Description:** Disable sending MTU option in ICMPv6 router advertisement messages

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd suppress-ra-mtu
```

## ipv6 nd suppress-ra-mtu

**Description:** Disable sending MTU option in ICMPv6 router advertisement messages

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd suppress-ra-mtu
```

## ipv6 nd suppress-ra-mtu

**Description:** Disable sending MTU option in ICMPv6 router advertisement messages

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

**ipv6 nd suppress-ra-mtu****Description:** Disable sending MTU option in ICMPv6 router advertisement messages**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

**ipv6 nd suppress-ra-mtu****Description:** Disable sending MTU option in ICMPv6 router advertisement messages**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

**ipv6 nd suppress-ra-mtu****Description:** Disable sending MTU option in ICMPv6 router advertisement messages**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd suppress-ra-mtu
```

**ipv6 nd suppress-ra-mtu****Description:** Disable sending MTU option in ICMPv6 router advertisement messages**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

**ipv6 nd suppress-ra-mtu****Description:** Disable sending MTU option in ICMPv6 router advertisement messages

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

### ipv6 nd suppress-ra-mtu

**Description:** Disable sending MTU option in ICMPv6 router advertisement messages

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd suppress-ra-mtu
```

## ipv6 nd suppress-ra

### ipv6 nd suppress-ra

**Description:** Disable sending ICMPv6 router advertisement messages

**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)# ipv6 nd suppress-ra
```

### ipv6 nd suppress-ra

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** template ipv6 nd policy : Create/modify an an IPv6 Neighbor Discovery policy

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
(config-tenant-template-ipv6-nd)# ipv6 nd suppress-ra
```

### ipv6 nd suppress-ra

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd suppress-ra
```

### ipv6 nd suppress-ra

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd suppress-ra
```

**ipv6 nd suppress-ra**

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd suppress-ra
```

**ipv6 nd suppress-ra**

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd suppress-ra
```

**ipv6 nd suppress-ra**

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** template ipv6 nd policy : Configure IPv6 Neighbor Discovery policy templates

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
(config-template-nd-pol)# ipv6 nd suppress-ra
```

**ipv6 nd suppress-ra**

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 nd suppress-ra
```

**ipv6 nd suppress-ra**

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 nd suppress-ra
```

**ipv6 nd suppress-ra**

**Description:** Disable sending ICMPv6 router advertisement messages

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 nd suppress-ra
```



# ipv6 next-hop-self

## ipv6 next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

## ipv6 next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

## ipv6 next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

### ipv6 next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

### ipv6 next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

### ipv6 next-hop-self eigrp default

**Description:** Set EIGRP next-hop-self flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 next-hop-self eigrp default
```

# ipv6 ospf bfd

## ipv6 ospf bfd enable

**Description:** Enable Bidirectional Forwarding Detection

**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf bfd enable
```

## ipv6 ospf bfd enable

**Description:** Enable Bidirectional Forwarding Detection

**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf bfd enable
```

## ipv6 ospf bfd enable

**Description:** Enable Bidirectional Forwarding Detection

**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf bfd enable
```

**ipv6 ospf bfd enable****Description:** Enable Bidirectional Forwarding Detection**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf bfd enable
```

**ipv6 ospf bfd enable****Description:** Enable Bidirectional Forwarding Detection**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf bfd enable
```

**ipv6 ospf bfd enable****Description:** Enable Bidirectional Forwarding Detection**Syntax:**

enable	Enable BFD
--------	------------

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf bfd enable
```

# ipv6 ospf cost

## ipv6 ospf cost <NUMBER>

**Description:** Set OSPF cost for the interface

**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

## ipv6 ospf cost <NUMBER>

**Description:** Set OSPF cost for the interface

**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

## ipv6 ospf cost <NUMBER>

**Description:** Set OSPF cost for the interface

**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

**ipv6 ospf cost <NUMBER>****Description:** Set OSPF cost for the interface**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

**ipv6 ospf cost <NUMBER>****Description:** Set OSPF cost for the interface**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

**ipv6 ospf cost <NUMBER>****Description:** Set OSPF cost for the interface**Syntax:**

<0-65535>	OSPF cost. Number range from=0 to=65535
-----------	---

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf cost <NUMBER>
```

# ipv6 ospf dead-interval

## ipv6 ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

## ipv6 ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

## ipv6 ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

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



```
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

### ipv6 ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

#### Syntax:

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

**Command Mode:** interface vlan : Vlan interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

### ipv6 ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

#### Syntax:

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

### ipv6 ospf dead-interval <NUMBER>

**Description:** Set the interval between hello packets from a neighbor before the router declares the neighbor as down

#### Syntax:

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

**Command Mode:** interface port-channel : Port Channel interface

#### Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
```

```
(config-leaf-if)# ipv6 ospf dead-interval <NUMBER>
```

# ipv6 ospf hello-interval

## ipv6 ospf hello-interval <NUMBER>

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

## ipv6 ospf hello-interval <NUMBER>

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

## ipv6 ospf hello-interval <NUMBER>

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

**ipv6 ospf hello-interval <NUMBER>**

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

**ipv6 ospf hello-interval <NUMBER>**

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

**ipv6 ospf hello-interval <NUMBER>**

**Description:** Set interval between hello packets that OSPF sends on the interface

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf hello-interval <NUMBER>
```

# ipv6 ospf inherit

## ipv6 ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

## ipv6 ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

## ipv6 ospf inherit interface-policy <WORD>

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

**ipv6 ospf inherit interface-policy <WORD>**

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

**ipv6 ospf inherit interface-policy <WORD>**

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

**ipv6 ospf inherit interface-policy <WORD>**

**Description:** Inherit OSPF Template Policy under this VRF

**Syntax:**

interface-policy	Inherit OSPF interface-policy
<i>WORD</i>	OSPF Template Policy name (Max Size 64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf inherit interface-policy <WORD>
```

# ipv6 ospf mtu-ignore

## ipv6 ospf mtu-ignore

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf mtu-ignore
```

## ipv6 ospf mtu-ignore

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf mtu-ignore
```

## ipv6 ospf mtu-ignore

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf mtu-ignore
```

## ipv6 ospf mtu-ignore

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf mtu-ignore
```



**ipv6 ospf mtu-ignore**

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf mtu-ignore
```

**ipv6 ospf mtu-ignore**

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf mtu-ignore
```

# ipv6 ospf network

## ipv6 ospf network bcast|p2p|unspecified

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

## ipv6 ospf network bcast|p2p|unspecified

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

## ipv6 ospf network bcast|p2p|unspecified

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

**ipv6 ospf network bcast|p2p|unspecified**

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

**ipv6 ospf network bcast|p2p|unspecified**

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
--------------------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

**ipv6 ospf network bcast|p2p|unspecified**

**Description:** Set OSPF interface policy network type

**Syntax:**

<i>bcast</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>p2p</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
<i>unspecified</i>	The OSPF interface policy network type. OSPF supports point-to-point and broadcast.

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf network bcast|p2p|unspecified
```

# ipv6 ospf passive-interface

## ipv6 ospf passive-interface

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf passive-interface
```

## ipv6 ospf passive-interface

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf passive-interface
```

## ipv6 ospf passive-interface

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf passive-interface
```

## ipv6 ospf passive-interface

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf passive-interface
```

**ipv6 ospf passive-interface**

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf passive-interface
```

**ipv6 ospf passive-interface**

**Description:** Set OSPF Interface Policy Controls

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf passive-interface
```

# ipv6 ospf prefix-suppression

## ipv6 ospf prefix-suppression disable|enable|inherit

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

## ipv6 ospf prefix-suppression disable|enable|inherit

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

## ipv6 ospf prefix-suppression disable|enable|inherit

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.

<i>inherit</i>	The OSPF interface prefix suppression.
----------------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

**ipv6 ospf prefix-suppression disable|enable|inherit**

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

**ipv6 ospf prefix-suppression disable|enable|inherit**

**Description:** Set prefix suppression

**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```



**ipv6 ospf prefix-suppression disable|enable|inherit****Description:** Set prefix suppression**Syntax:**

<i>disable</i>	The OSPF interface prefix suppression.
<i>enable</i>	The OSPF interface prefix suppression.
<i>inherit</i>	The OSPF interface prefix suppression.

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf prefix-suppression disable|enable|inherit
```

# ipv6 ospf priority

## ipv6 ospf priority <NUMBER>

**Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network

**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

## ipv6 ospf priority <NUMBER>

**Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network

**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

## ipv6 ospf priority <NUMBER>

**Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network

**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

**ipv6 ospf priority <NUMBER>****Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

**ipv6 ospf priority <NUMBER>****Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

**ipv6 ospf priority <NUMBER>****Description:** Set OSPF interface priority used to determine the designated router (DR) on a specific network**Syntax:**

<0-255>	OSPF priority. Number range from=0 to=255
---------	---

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf priority <NUMBER>
```

# ipv6 ospf retransmit-interval

## ipv6 ospf retransmit-interval <NUMBER>

**Description:** Set OSPF Policy Graceful Restart Timers

**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

## ipv6 ospf retransmit-interval <NUMBER>

**Description:** Set OSPF Policy Graceful Restart Timers

**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

## ipv6 ospf retransmit-interval <NUMBER>

**Description:** Set OSPF Policy Graceful Restart Timers

**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

**ipv6 ospf retransmit-interval <NUMBER>****Description:** Set OSPF Policy Graceful Restart Timers**Syntax:**

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

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

**ipv6 ospf retransmit-interval <NUMBER>****Description:** Set OSPF Policy Graceful Restart Timers**Syntax:**

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

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

**ipv6 ospf retransmit-interval <NUMBER>****Description:** Set OSPF Policy Graceful Restart Timers**Syntax:**

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

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf retransmit-interval <NUMBER>
```

# ipv6 ospf transmit-delay

## ipv6 ospf transmit-delay <NUMBER>

**Description:** Set the delay time needed to send an LSA update packet.

**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

## ipv6 ospf transmit-delay <NUMBER>

**Description:** Set the delay time needed to send an LSA update packet.

**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

## ipv6 ospf transmit-delay <NUMBER>

**Description:** Set the delay time needed to send an LSA update packet.

**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

**ipv6 ospf transmit-delay <NUMBER>****Description:** Set the delay time needed to send an LSA update packet.**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

**ipv6 ospf transmit-delay <NUMBER>****Description:** Set the delay time needed to send an LSA update packet.**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

**ipv6 ospf transmit-delay <NUMBER>****Description:** Set the delay time needed to send an LSA update packet.**Syntax:**

<1-450>	Delay in seconds. Number range from=1 to=450
---------	--

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 ospf transmit-delay <NUMBER>
```

# ipv6 passive-interface

## ipv6 passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 passive-interface eigrp default
```

## ipv6 passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 passive-interface eigrp default
```

## ipv6 passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**



```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 passive-interface eigrp default
```

### ipv6 passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 passive-interface eigrp default
```

### ipv6 passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 passive-interface eigrp default
```

### ipv6 passive-interface eigrp default

**Description:** Set EIGRP passive-interface flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 passive-interface eigrp default
```

# ipv6 router eigrp

## ipv6 router eigrp default

**Description:** Configure EIGRP default interface

**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router eigrp default
```

## ipv6 router eigrp default

**Description:** Configure EIGRP default interface

**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router eigrp default
```

## ipv6 router eigrp default

**Description:** Configure EIGRP default interface

**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router eigrp default
```

**ipv6 router eigrp default****Description:** Configure EIGRP default interface**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router eigrp default
```

**ipv6 router eigrp default****Description:** Configure EIGRP default interface**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router eigrp default
```

**ipv6 router eigrp default****Description:** Configure EIGRP default interface**Syntax:**

default	EIGRP default instance
---------	------------------------

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router eigrp default
```

# ipv6 router ospf default

## ipv6 router ospf default area <A.B.C.D|NUMBER>

**Description:** Process tag

**Syntax:**

area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

## ipv6 router ospf default area <A.B.C.D|NUMBER>

**Description:** Process tag

**Syntax:**

area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

## ipv6 router ospf default area <A.B.C.D|NUMBER>

**Description:** Process tag

**Syntax:**

area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

**ipv6 router ospf default area <A.B.C.D|NUMBER>**

**Description:** Process tag

**Syntax:**

area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

**ipv6 router ospf default area <A.B.C.D|NUMBER>**

**Description:** Process tag

**Syntax:**

area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

**ipv6 router ospf default area <A.B.C.D|NUMBER>**

**Description:** Process tag

**Syntax:**

area	Area associated with interface
<i>A.B.C.D NUMBER</i>	OSPF area Id

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 router ospf default area <A.B.C.D|NUMBER>
```

# ipv6 shared address consumer

**ipv6 shared address <A:B::C:D/LEN> consumer application any epg any**

**Description:** Shared consumed service

**Syntax:**

address	IPv6 subnet
<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
application	application keyword
any	any application
epg	epg keyword
any	any EPG

**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)# ipv6 shared address <A:B::C:D/LEN> consumer application any epg
any
```



# ipv6 shared address provider

**ipv6 shared address** <A:B::C:D/LEN> provider application <WORD> epg <WORD> [scope <scope>]

**Description:** Shared provider service

**Syntax:**

address	IPv6 subnet
<i>A:B::C:D/LEN</i>	IPv6 prefix format: xxxx:xxxx/ml, xxxx:xxxx::/ml, xxxx::xx/128
application	application keyword
<i>WORD</i>	Application Name (Max Size 64)
epg	epg keyword
<i>WORD</i>	Application EPG (Max Size 64)
<i>scope</i>	(Optional) Scope of the address among ['public']

**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)# ipv6 shared address <A:B::C:D/LEN> provider application <WORD>
epg <WORD> [scope <scope>]
```

# ipv6 split-horizon

## ipv6 split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 split-horizon eigrp default
```

## ipv6 split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 split-horizon eigrp default
```

## ipv6 split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 split-horizon eigrp default
```

### ipv6 split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 split-horizon eigrp default
```

### ipv6 split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 split-horizon eigrp default
```

### ipv6 split-horizon eigrp default

**Description:** Set EIGRP split-horizon flag

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 split-horizon eigrp default
```

# ipv6 summary-address eigrp

**ipv6 summary-address eigrp default <IP-PREFIX/LEN>**

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summary IPV6 address (e.g. 2001:0DB8:0:1::/64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

**ipv6 summary-address eigrp default <IP-PREFIX/LEN>**

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summarized IPV6 address (e.g. 2001:0DB8:0:1::/64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

**ipv6 summary-address eigrp default <IP-PREFIX/LEN>**

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summarized IPV6 address (e.g. 2001:0DB8:0:1::/64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

### ipv6 summary-address eigrp default <IP-PREFIX/LEN>

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summary IPV6 address (e.g. 2001:0DB8:0:1::/64)

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

### ipv6 summary-address eigrp default <IP-PREFIX/LEN>

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summarized IPV6 address (e.g. 2001:0DB8:0:1::/64)

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

### ipv6 summary-address eigrp default <IP-PREFIX/LEN>

**Description:** Configure route summarization for EIGRP

**Syntax:**

default	EIGRP default instance
<i>IP-PREFIX/LEN</i>	Summarized IPV6 address (e.g. 2001:0DB8:0:1::/64)

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 summary-address eigrp default <IP-PREFIX/LEN>
```

# ipv6 throughput-delay

**ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico**

**Description:** Set EIGRP throughput delay

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface vlan : Vlan interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico**

**Description:** Set EIGRP throughput delay

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```



**ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico****Description:** Set EIGRP throughput delay**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico****Description:** Set EIGRP throughput delay**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface vlan <1-4094>
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico****Description:** Set EIGRP throughput delay**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

**ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico**

**Description:** Set EIGRP throughput delay

**Syntax:**

eigrp	EIGRP
default	EIGRP default instance
<0-16777215>	Throughput delay. Number range from=0 to=16777215
tens-of-micro	Unit in 10-microseconds
pico	Unit in picoseconds

**Command Mode:** interface port-channel : Port Channel interface

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# ipv6 throughput-delay eigrp default <NUMBER> tens-of-micro|pico
```

# isis

## isis fabric

**Description:** Intermediate System to Intermediate System (IS-IS)

**Syntax:**

fabric	Fabric IS-IS configuration
--------	----------------------------

**Command Mode:** pod : Pod configuration mode

**Command Path:**

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

# isis bfd

## isis bfd enabled

**Description:** bfd configuration

**Syntax:**

enabled	
---------	--

**Command Mode:** fabric-interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# fabric-interface ethernet
(config-leaf-if)# isis bfd enabled
```

## isis bfd enabled

**Description:** bfd configuration

**Syntax:**

enabled	
---------	--

**Command Mode:** fabric-interface ethernet : Ethernet IEEE 802.3z

**Command Path:**

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# fabric-interface ethernet
(config-leaf-if)# isis bfd enabled
```

# isolation

## isolation enforce

**Description:** Enable EPG isolation

**Syntax:**

enforce	Enable enforcing of policy-control rules (EPG isolation)
---------	--

**Command Mode:** epg : AEPg configuration mode

**Command Path:**

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# isolation enforce
```

