T Commands

tacacs-server host

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

Description: TACACS+ server's DNS name or its IP address

Syntax:

A.B.C.D|A:B::C:D|WORD	TACACS+ server's DNS name or its IP address

Command Mode: configure : Configuration Mode

Command Path:

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

tacacs-server retries

tacacs-server retries <NUMBER>

Description: Global TACACS+ server retries period in seconds

Syntax:

<0-5>	Global TACACS+ server retries period in seconds. Number range from=0 to=5

Command Mode: configure : Configuration Mode

Command Path:

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

tacacs-server timeout

tacacs-server timeout <NUMBER>

Description: Global TACACS+ server timeout period in seconds

Syntax:

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

Command Mode: configure : Configuration Mode

Command Path:

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

tacacslog-group

tacacslog-group <WORD>

Description: configure tacacs group

Syntax:

WORD	Tacacs Accounting Group

Command Mode: configure : Configuration Mode

Command Path:

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

tacacslog-monitoring

tacacslog-monitoring common tacacslog-src <WORD>

Description: TacacsLog common policy configuration mode

Syntax:

common	TacacsLog common policy configuration mode
tacacslog-src	TacacsLog common source
WORD	Logging source name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tacacslog-monitoring common tacacslog-src <WORD>
```

tag

tag WORD

Description: Add a tag to an epg

Syntax:

WORD	Tag for the object (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)# tag WORD
```

tag <WORD>

Description: Add a tag to an application

Syntax:

WORD	Tag for the object (Max Size 64)

Command Mode: application : application configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# tag <WORD>
```

tag WORD

Description: Add a tag to the tenant

Syntax:

WORD	Tag for the object (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

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

tag <NUMBER>

Description: Set Route Tag

Syntax:

<0-4294967295>	Route Tag Value. Number range from=0 to=4294967295

Command Mode: template route tag : Configure Route Tag Policy Templates

Command Path:

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

tag <NUMBER>

Description: Set Route Tag

Syntax:

<0-4294967295>	Route Tag Value. Number range from=0 to=4294967295

Command Mode: template route tag : Configure Route Tag Policy Templates

Command Path:

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

target

target self|children|subtree

Description: Configure target dn/class

Syntax:

self	Self
children	Children
subtree	Subtree

Command Mode: query : Configure Query profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
(config-callhome-queryprof)# query <WORD> type dn|class <dn/classname>
(config-callhome-queryprof-query)# target self|children|subtree
```

target self|children|subtree

Description: Configure target dn/class

Syntax:

self	Self
children	Children
subtree	Subtree

Command Mode: query : Configure Query profile Parameters

Command Path:

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

target <WORD>

Description: Snapshot target

Syntax:

WORD	infra, fabric or tenant-x

Command Mode: snapshot export : Configuration export setup mode

Command Path:

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

telnet

telnet

Description: TELNET communication policy group

Command Mode: comm-policy : Configure any communication policy, ssh/telnet/shellinabox/http/https

Command Path:

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

template bfd

template bfd ip|ipv6 <WORD>

Description: BFD group of commands

Syntax:

ip	IPV4 Address
ipv6	IPV6 Address
WORD	Create a BFD policy

Command Mode: configure : Configuration Mode

Command Path:

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

template bfd <WORD> tenant <WORD>

Description: Configure BFD Interface Policy Templates

Syntax:

WORD	BFD Interface Policy name (Max Size 64)
tenant	Tenant for the BFD Policy
WORD	Tenant name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template bfd <WORD> tenant <WORD>

Description: Configure BFD Interface Policy Templates

Syntax:

WORD	BFD Interface Policy name (Max Size 64)
tenant	Tenant for the BFD Policy
WORD	Tenant name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

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

template bgp address-family

template bgp address-family <WORD> tenant <WORD>

Description: Configure Router BGP Address Family Templates

Syntax:

WORD	BGP Address Family Policy Name (Max Size 64)
tenant	Tenant for the BGP Policy
WORD	Tenant Name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp address-family <WORD> tenant <WORD>
```

template bgp address-family <WORD> tenant <WORD>

Description: Configure Router BGP Address Family Templates

Syntax:

WORD	BGP Address Family Policy Name (Max Size 64)
tenant	Tenant for the BGP Policy
WORD	Tenant Name

Command Mode: spine : Configure Spine Node

Command Path:

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

template bgp timers

template bgp timers <WORD> tenant <WORD>

Description: Configure Router BGP Timer Policy Templates

Syntax:

WORD	Router BGP Timer Policy Name (Max Size 64)
tenant	Tenant for the BGP Policy
WORD	Tenant Name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template bgp timers <WORD> tenant <WORD>

Description: Configure Router BGP Timer Policy Templates

Syntax:

WORD	Router BGP Timer Policy Name (Max Size 64)
tenant	Tenant for the BGP Policy
WORD	Tenant Name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

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

template cloudsec

template cloudsec <WORD>

Description: Configure cloudsec Policies

Syntax:

WORD	WORD

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template cloudsec <WORD>
```

template control-plane-policing-prefilter-leaf

template control-plane-policing-prefilter-leaf <WORD>

Description: Create leaf ACL policy to police/reclassify the traffic

Syntax:

WORD	Name of the policy to add (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template control-plane-policing-prefilter-leaf <WORD>
```

template control-plane-policing-prefilter-spine

template control-plane-policing-prefilter-spine <WORD>

Description: Create spine ACL policy to police/reclassify the traffic

Syntax:

WORD	Name of the policy to add (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template control-plane-policing-prefilter-spine <WORD>
```

template dhcp option

template dhcp option policy <WORD>

Description: Create a DHCP Option policy

Syntax:

policy	Name of the DHCP Option Policy
WORD	Name of the DHCP Option Policy (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

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

template dhcp relay

template dhcp relay policy <WORD>

Description: Create a DHCP Relay policy

Syntax:

policy	Name of the DHCP relay policy
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template dhcp relay policy <WORD>

Description: Create a DHCP Relay policy

Syntax:

policy	Name of the DHCP relay policy
WORD	Name of the DHCP relay policy (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

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

template dwdm access fabric policy

template dwdm access|fabric policy <WORD> <NUMBER>

Description: Configure dwdm policy

Syntax:

access	for access interfaces
fabric	for fabric interfaces
WORD	policyname (Max Size 64)
<1-96>	channelNumber. Number range from=1 to=96

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template dwdm access|fabric policy <WORD> <NUMBER>
```

template eigrp interface-policy

template eigrp interface-policy <WORD> tenant <WORD>

Description: Configure EIGRP Interface policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the EIGRP Interface Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template eigrp interface-policy <WORD> tenant <WORD>

Description: Configure EIGRP Interface policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the EIGRP Interface Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

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

template eigrp vrf-policy

template eigrp vrf-policy <WORD> tenant <WORD>

Description: Configure EIGRP VRF policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the EIGRP VRF Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
```

template eigrp vrf-policy <WORD> tenant <WORD>

Description: Configure EIGRP VRF policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the EIGRP VRF Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

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

template endpoint retention policy

template endpoint retention policy <WORD>

Description: Configure an endpoint retention policy

Syntax:

WORD	Name of the endpoint retention policy to set (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

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

template fabric-interface-policy-group

template fabric-interface-policy-group <WORD>

Description: Configure Leaf Fabric Interface Policy Group Parameters

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template fc-fabric-policy

template fc-fabric-policy <WORD>

Description: Configure FC Fabric Policy(Max Size 64)

Syntax:

WORD	Create a FC Fabric policy

Command Mode: configure : Configuration Mode

Command Path:

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

template fc-leaf-policy

template fc-leaf-policy <WORD>

Description: Configure FC Leaf Policy(Max Size 64)

Syntax:

WORD	Create a FC Leaf policy

Command Mode: configure : Configuration Mode

Command Path:

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

template fc-policy-group

template fc-policy-group <WORD>

Description: Configure FC Policy Group Parameters

Syntax:

WORD	FC Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template fc-port-channel

template fc-port-channel <WORD>

Description: Configure FC Port-Channel Parameters

Syntax:

WORD	FC Port-Channel/VPC Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template fc-port-channel <WORD>
```

template hsrp group-policy

template hsrp group-policy <WORD> tenant <WORD>

Description: Configure HSRP Group policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the HSRP GROUP Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
```

template hsrp group-policy <WORD> tenant <WORD>

Description: Configure HSRP Group policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the HSRP GROUP Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

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

template hsrp interface-policy

template hsrp interface-policy <WORD> tenant <WORD>

Description: Configure HSRP Interface policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the HSRP Interface Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template hsrp interface-policy <WORD> tenant <WORD>

Description: Configure HSRP Interface policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the HSRP Interface Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

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

template ip igmp interface-policy

template ip igmp interface-policy <WORD>

Description: Create an IGMP interface policy

Syntax:

WORD	Name of the IGMP interface policy to define (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp interface-policy <WORD>
```

template ip igmp snooping policy

template ip igmp snooping policy <WORD>

Description: Create an IGMP snooping policy

Syntax:

WORD	Name of the IGMP snooping policy to define (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip igmp snooping policy <WORD>
```

template ip pim interface-policy

template ip pim interface-policy <WORD>

Description: Create a PIM interface policy

Syntax:

WORD	Name of the PIM interface policy to be defined (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ip pim interface-policy <WORD>
```

template ipv6 nd policy

template ipv6 nd policy <WORD>

Description: Create/modify an an IPv6 Neighbor Discovery policy

Syntax:

WORD	Name of the policy to create/modify (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd policy <WORD>
```

template ipv6 nd policy <WORD> tenant <WORD>

Description: Configure IPv6 Neighbor Discovery policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the ND Policy
WORD	Tenant name

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ipv6 nd policy <WORD> tenant <WORD>
```

template ipv6 nd policy <WORD> tenant <WORD>

Description: Configure IPv6 Neighbor Discovery policy templates

Syntax:

WORD	Policy name (Max Size 64)
tenant	Tenant for the ND Policy
WORD	Tenant name

Command Mode: spine : Configure Spine Node

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ipv6 nd policy <WORD> tenant <WORD>
```

template ipv6 nd prefix

template ipv6 nd prefix policy <WORD>

Description: Create/modify an an IPv6 Neighbor Prefix policy

Syntax:

policy	IPv6 ND Prefix Policy
WORD	Name of the policy to create/modify (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# template ipv6 nd prefix policy <WORD>
```

template isis-fabric

template isis-fabric <WORD>

Description: InterSystem-InterSystem Protocol (IS-IS)

Syntax:

WORD	IS-IS Fabric template (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template leaf-policy-group

template leaf-policy-group <WORD>

Description: Configure Leaf Policy Group

Syntax:

WORD	Leaf Policy Group Name

Command Mode: configure : Configuration Mode

Command Path:

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

template leaf-policy-group <WORD>

Description: Configure Leaf Policy Group

Syntax:

WORD	Leaf Policy Group Name

Command Mode: fabric-internal : Fabric Policy Configuration for internal ports

Command Path:

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

template macsec access fabric interface-policy

template macsec access|fabric interface-policy <WORD>

Description: Configure macsec interface policy

Syntax:

access	for access interfaces
fabric	for fabric interfaces
WORD	MAC security policy name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template macsec access fabric keychain

template macsec access|fabric keychain <WORD>

Description: Configure macsec key chain

Syntax:

access	for access interfaces
fabric	for fabric interfaces
WORD	Keychain name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template macsec access|fabric keychain <WORD>
```

template macsec access fabric security-policy

template macsec access|fabric security-policy <WORD>

Description: Configure MAC security policy parameters

Syntax:

access	for access interfaces
fabric	for fabric interfaces
WORD	MAC security policy name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template ntp-fabric

template ntp-fabric <WORD>

Description: Network Time Protocol (NTP)

Syntax:

WORD	NTP Fabric template (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template ospf interface-policy

template ospf interface-policy <WORD> tenant <WORD>

Description: Configure OSPF Interface Policy Templates

Syntax:

WORD	OSPF Interface Policy name (Max Size 64)
tenant	Tenant for the OSPF Policy
WORD	Tenant name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template ospf interface-policy <WORD> tenant <WORD>

Description: Configure OSPF Interface Policy Templates

Syntax:

WORD	OSPF Interface Policy name (Max Size 64)
tenant	Tenant for the OSPF Policy
WORD	Tenant name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

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

template ospf vrf-policy

template ospf vrf-policy <WORD> tenant <WORD>

Description: Configure Router OSPF Timer Policy Templates

Syntax:

WORD	Router OSPF Timer Policy name (Max Size 64)
tenant	Tenant for the OSPF Policy
WORD	Tenant name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template ospf vrf-policy <WORD> tenant <WORD>

Description: Configure Router OSPF Timer Policy Templates

Syntax:

WORD	Router OSPF Timer Policy name (Max Size 64)
tenant	Tenant for the OSPF Policy
WORD	Tenant name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

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

template pod-group

template pod-group <WORD>

Description: POD Group

Syntax:

WORD	Pod Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template policy-group

template policy-group <WORD>

Description: Configure Policy Group Parameters

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template port-channel

template port-channel <WORD>

Description: Configure Port-Channel Parameters

Syntax:

WORD	Port-Channel/VPC Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
```

template power-over-ethernet node-policy

template power-over-ethernet node-policy <WORD>

Description: Configure Power Over Ethernet Parameters

Syntax:

WORD	Power Over Ethernet Node Policy Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# template power-over-ethernet node-policy <WORD>
```

template route-profile

template route-profile <WORD> tenant <WORD>

Description: Configure route-profile template under tenant for BGP dampening and route redistribution

Syntax:

WORD	Route-profile template name (Max Size 64)
tenant	Tenant for the route-profile template
WORD	Tenant Name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template route-profile <WORD> <WORD> <NUMBER>

Description: Configure route-profile template under VRF/L3Out for bridge-domain export

Syntax:

WORD	Route-profile template name
WORD	route control context name
<0-9>	Relative order for the entry. Number range from=0 to=9223372036854775807

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)# template route-profile <WORD> <WORD> <NUMBER>
```

template route-profile <WORD> tenant <WORD>

Description: Configure route-profile template under tenant for BGP dampening and route redistribution

Syntax:

WORD	Route-profile template name (Max Size 64)
tenant	Tenant for the route-profile template

WORD	Tenant Name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

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

template route-profile <WORD> <WORD> <NUMBER>

Description: Configure route-profile template under VRF/L3Out for bridge-domain export

Syntax:

WORD	Route-profile template name
WORD	route control context name
<0-9>	Relative order for the entry. Number range from=0 to=9223372036854775807

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)# template route-profile <WORD> <WORD> <NUMBER>
```

template route group

template route group <WORD> tenant <WORD>

Description: Configure Route Group

Syntax:

WORD	Route group name (Max Size 64)
tenant	Tenant for the route group
WORD	Tenant name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template route group <WORD> tenant <WORD>

Description: Configure Route Group

Syntax:

WORD	Route group name (Max Size 64)
tenant	Tenant for the route group
WORD	Tenant name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

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

template route tag

template route tag <WORD> tenant <WORD>

Description: Configure Route Tag Policy Templates

Syntax:

WORD	Route Tag Policy Name (Max Size 64)
tenant	Tenant for the Route Tag Policy
WORD	Tenant Name (Max Size 63)

Command Mode: leaf : Configure Leaf Node

Command Path:

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

template route tag <WORD> tenant <WORD>

Description: Configure Route Tag Policy Templates

Syntax:

WORD	Route Tag Policy Name (Max Size 64)
tenant	Tenant for the Route Tag Policy
WORD	Tenant Name (Max Size 63)

Command Mode: spine : Configure Spine Node

Command Path:

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

template snmp-fabric

template snmp-fabric <WORD>

Description: Simple Network Management Protocol (SNMP)

Syntax:

WORD	SNMP Fabric template (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template spine-fabric-interface-policy-group

template spine-fabric-interface-policy-group <WORD>

Description: Configure Spine Fabric Interface Policy Group Parameters

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template spine-interface-policy-group

template spine-interface-policy-group <WORD>

Description: Configure Policy Group Parameters

Syntax:

WORD	Interface Policy Group Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template spine-policy-group

template spine-policy-group <WORD>

Description: Configure Spine Policy Group

Syntax:

WORD	Spine Policy Group Name

Command Mode: configure : Configuration Mode

Command Path:

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

template spine-policy-group <WORD>

Description: Configure Spine Policy Group

Syntax:

WORD	Spine Policy Group Name

Command Mode: fabric-internal : Fabric Policy Configuration for internal ports

Command Path:

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

template twamp responder-policy

template twamp responder-policy <WORD>

Description: Configure twamp responder policy

Syntax:

WORD	Twamp Responder Policy Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template twamp server-policy

template twamp server-policy <WORD>

Description: Configure twamp server policy

Syntax:

WORD	Twamp Server Policy Name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

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

template vsan-attribute

template vsan-attribute <WORD>

Description: Configure Vsan Attributes(Max Size 64)

Syntax:

WORD	Configure vsan attribute policy

Command Mode: configure : Configuration Mode

Command Path:

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

tenant

tenant <WORD>

Description: Tenant configuration mode

Syntax:

WORD	tenant name (Max Size 63)

Command Mode: configure : Configuration Mode

Command Path:

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

terminal

terminal length <NUMBER>

Description: Enable or disable pager for command output

Syntax:

length	Terminal length keyword
NUMBER	Terminal pager length (0=Disable pager). Number range from=0 to=511

Command Mode: exec : Exec Mode

Command Path:

```
# terminal length <NUMBER>
```

throttle

throttle <NUMBER>

Description: Set the throttle used for HTTP communication service.

Syntax:

<1-100>	Set the throttle used for HTTP communication service.. Number range from=1 to=100

Command Mode: http : HTTP communication policy group

Command Path:

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

throttle <NUMBER>

Description: Set the throttle used for HTTPS communication service.

Syntax:

<1-100>	Set the throttle used for HTTPS communication service.. Number range from=1 to=100

Command Mode: https : HTTPS communication policy group

Command Path:

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

time

time start <date-time>

Description: Start controller-group upgrade

Syntax:

start	Set time to trigger upgrade
<date-time>	Set the start time ([[[yyyy:]mmm:]dd:]HH:MM)

Command Mode: controller-group : Controller Upgrade Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# firmware
(config-firmware)# controller-group
(config-firmware-controller)# time start <date-time>
```

time start <TIME>

Description: Set the window start time

Syntax:

start	Set the start time
TIME	Set the start time [[[yyyy:]mmm:]dd:]HH:MM

Command Mode: absolute : Absolute window configuration mode

Command Path:

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

time start daily

time start daily <TIME>

Description: Specify a daily schedule

Syntax:

TIME	Trigger time in HH:MM format

Command Mode: recurring : Recurring window configuration mode

Command Path:

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

time start weekly

time start weekly monday|tuesday|wednesday|thursday|friday|saturday|sunday|even-day|odd-day|every-day <TIME>

Description: Specify a weekly schedule

Syntax:

monday	Mondays
tuesday	Tuesdays
wednesday	Wednesdays
thursday	Thursdays
friday	Fridays
saturday	Saturdays
sunday	Sundays
even-day	Even days
odd-day	Odd days
every-day	Everyday
TIME	Trigger time in HH:MM format

Command Mode: recurring : Recurring window configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# scheduler fabric|controller schedule <WORD>
(config-scheduler)# recurring window <WORD>
(config-scheduler-recurring)# time start weekly
monday|tuesday|wednesday|thursday|friday|saturday|sunday|even-day|odd-day|every-day <TIME>
```

timeout

timeout <NUMBER>

Description: LDAP server timeout for authentication

Syntax:

<5-60>	LDAP server timeout for authentication. Number range from=5 to=60

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

Command Path:

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

timeout <0-60>

Description: RADIUS server timeout for authentication

Syntax:

<0-60>	RADIUS server timeout for authentication

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

Command Path:

```
# configure [['terminal', 't']]
(config)# radius-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# timeout <0-60>
```

timeout <0-60>

Description: RSA server timeout for authentication

Syntax:

<0-60>	RSA server timeout for authentication

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

Command Path:

```
# configure [['terminal', 't']]
(config)# rsa-server host <A.B.C.D|A:B::C:D|WORD>
(config-host)# timeout <0-60>
```

timeout <NUMBER>

Description: TACACS server timeout for authentication

Syntax:

<0-60>	TACACS server timeout for authentication. Number range from=0 to=60

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

Command Path:

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

timeout <arg>

Description: Timeout for TWAMP Responder

Syntax:

arg	Configure Timeout for TWAMP Responder. Number range from=1 to=65535

Command Mode: template twamp responder-policy : Configure twamp responder policy

Command Path:

```
# configure [['terminal', 't']]
(config)# template twamp responder-policy <WORD>
(config-twamp-responder-policy)# timeout <>
```

timers

timers bgp <NUMBER> <NUMBER>

Description: Set BGP Policy Timers

Syntax:

bgp	Set BGP Policy Timers
<0-3600>	Keep-Alive Timer Value in Seconds. Number range from=0 to=3600
<0-3600>	Hold Timer Value in Seconds. Number range from=0 to=3600

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template bgp timers <WORD> tenant <WORD>
(config-bgp-timers)# timers bgp <NUMBER> <NUMBER>
```

timers active-time <NUMBER>

Description: Set EIGRP Timers

Syntax:

active-time	Active timer interval
<1-65535>	Active timer interval value in minutes. Number range from=1 to=65535

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# timers active-time <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in seconds. Number range from=250 to=254000
<750-255000>	Hold interval in seconds. Number range from=750 to=255000

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# timers <NUMBER> <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in milliseconds. Number range from=250 to=254000
<750-255000>	Hold interval in milliseconds. Number range from=750 to=255000

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)# timers <NUMBER> <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in milliseconds. Number range from=250 to=254000
<750-255000>	Hold interval in milliseconds. Number range from=750 to=255000

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)# timers <NUMBER> <NUMBER>
```

timers active-time <NUMBER>

Description: Set EIGRP Timers

Syntax:

active-time	Active timer interval

<1-65535>	Active timer interval value in minutes. Number range from=1 to=65535

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)# timers active-time <NUMBER>
```

timers bgp <NUMBER> <NUMBER>

Description: Set BGP Policy Timers

Syntax:

bgp	Set BGP Policy Timers
<0-3600>	Keep-Alive Timer Value in Seconds. Number range from=0 to=3600
<0-3600>	Hold Timer Value in Seconds. Number range from=0 to=3600

Command Mode: template bgp timers : Configure Router BGP Timer Policy Templates

Command Path:

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

timers active-time <NUMBER>

Description: Set EIGRP Timers

Syntax:

active-time	Active timer interval
<1-65535>	Active timer interval value in minutes. Number range from=1 to=65535

Command Mode: template eigrp vrf-policy : Configure EIGRP VRF policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template eigrp vrf-policy <WORD> tenant <WORD>
(config-template-eigrp-vrf-pol)# timers active-time <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in seconds. Number range from=250 to=254000
<750-255000>	Hold interval in seconds. Number range from=750 to=255000

Command Mode: template hsrp group-policy : Configure HSRP Group policy templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template hsrp group-policy <WORD> tenant <WORD>
(config-template-hsrp-group-pol)# timers <NUMBER> <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in milliseconds. Number range from=250 to=254000
<750-255000>	Hold interval in milliseconds. Number range from=750 to=255000

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)# timers <NUMBER> <NUMBER>
```

timers <NUMBER> <NUMBER>

Description: Hello and hold timers

Syntax:

<250-254000>	Hello interval in milliseconds. Number range from=250 to=254000
<750-255000>	Hold interval in milliseconds. Number range from=750 to=255000

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)# timers <NUMBER> <NUMBER>
```

timers active-time <NUMBER>

Description: Set EIGRP Timers

Syntax:

active-time	Active timer interval
<1-65535>	Active timer interval value in minutes. Number range from=1 to=65535

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)# timers active-time <NUMBER>
```

timers lsa-arrival

timers lsa-arrival <NUMBER>

Description: Set the minimum interval between the arrival of each link-state advertisement(LSA)

Syntax:

<10-600000>	Interval in milliseconds. Number range from=10 to=600000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers lsa-arrival <NUMBER>
```

timers lsa-arrival <NUMBER>

Description: Set the minimum interval between the arrival of each link-state advertisement(LSA)

Syntax:

<10-600000>	Interval in milliseconds. Number range from=10 to=600000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers lsa-arrival <NUMBER>
```

timers lsa-group-pacing

timers lsa-group-pacing <NUMBER>

Description: Set the interval in which LSAs are grouped and refreshed, checksummed, or aged

Syntax:

<1-1800>	Interval in seconds. Number range from=1 to=1800

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers lsa-group-pacing <NUMBER>
```

timers lsa-group-pacing <NUMBER>

Description: Set the interval in which LSAs are grouped and refreshed, checksummed, or aged

Syntax:

<1-1800>	Interval in seconds. Number range from=1 to=1800

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers lsa-group-pacing <NUMBER>
```

timers throttle lsa

timers throttle lsa <NUMBER> <NUMBER> <NUMBER>

Description: Set the start-interval, hold-interval, max-interval for LSA

Syntax:

<*start-time 0-5000*>	The generation throttle start-wait interval between LSAs.. Number range from=0 to=5000
<*hold-interval 50-30000*>	The incremental time (in milliseconds) used to calculate the subsequent rate limiting times for LSA generation.. Number range from=50 to=30000
<*max-time 50-30000*>	The generation throttle maximum interval between LSAs.. Number range from=50 to=30000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers throttle lsa <NUMBER> <NUMBER> <NUMBER>
```

timers throttle lsa <NUMBER> <NUMBER> <NUMBER>

Description: Set the start-interval, hold-interval, max-interval for LSA

Syntax:

<*start-time 0-5000*>	The generation throttle start-wait interval between LSAs.. Number range from=0 to=5000
<*hold-interval 50-30000*>	The incremental time (in milliseconds) used to calculate the subsequent rate limiting times for LSA generation.. Number range from=50 to=30000
<*max-time 50-30000*>	The generation throttle maximum interval between LSAs.. Number range from=50 to=30000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers throttle lsa <NUMBER> <NUMBER> <NUMBER>
```

timers throttle spf

timers throttle spf <NUMBER> <NUMBER> <NUMBER>

Description: Set the SPF init-interval, hold-interval, max-interval for LSA

Syntax:

<*spf-start 1-600000*>	The initial delay interval for the SPF schedule.. Number range from=1 to=600000
<*spf-hold 1-600000*>	The minimum hold time between SPF calculations.. Number range from=1 to=600000
<*spf-max-wait 1-600000*>	The maximum interval between SPF calculations. Each interval after the initial calculation is twice as long as the previous one until the wait interval reaches the maximum wait time specified.. Number range from=1 to=600000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# template ospf vrf-policy <WORD> tenant <WORD>
(config-vrf-policy)# timers throttle spf <NUMBER> <NUMBER> <NUMBER>
```

timers throttle spf <NUMBER> <NUMBER> <NUMBER>

Description: Set the SPF init-interval, hold-interval, max-interval for LSA

Syntax:

<*spf-start 1-600000*>	The initial delay interval for the SPF schedule.. Number range from=1 to=600000
<*spf-hold 1-600000*>	The minimum hold time between SPF calculations.. Number range from=1 to=600000
<*spf-max-wait 1-600000*>	The maximum interval between SPF calculations. Each interval after the initial calculation is twice as long as the previous one until the wait interval reaches the maximum wait time specified.. Number range from=1 to=600000

Command Mode: template ospf vrf-policy : Configure Router OSPF Timer Policy Templates

Command Path:

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

```
(config-vrf-policy)# timers throttle spf <NUMBER> <NUMBER> <NUMBER>
```

totp-enable

totp-enable

Description: Set TOTP 2nd factor Auth for the locally-authenticated user account.

Command Mode: username : Create a locally-authenticated user account

Command Path:

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

tp

tp <WORD>

Description: Set third-party certificate from trusted source/point for device identity

Syntax:

<*WORD*>	third-party certificate (Max Size 64)

Command Mode: crypto keyring : A keyring mode to create and hold an SSL certificate

Command Path:

```
# configure [['terminal', 't']]
(config)# crypto keyring <WORD>
(config-keyring)# tp <WORD>
```

transmit-delay

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: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

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

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: template ospf interface-policy : Configure OSPF Interface Policy Templates

Command Path:

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

transport

transport udp <1-65535>

Description: Configure Transport Port

Syntax:

udp	udp
<1-65535>	Port Value

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport
udp <dstPort>
(config-tn-flow-exporter)# transport udp <1-65535>
```

transport udp <1-65535>

Description: Configure Transport Port

Syntax:

udp	udp
<1-65535>	Port Value

Command Mode: flow exporter : Configure Netflow Exporter

Command Path:

```
# configure [['terminal', 't']]
(config)# flow exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-exporter)# transport udp <1-65535>
```

transport udp <1-65535>

Description: Configure Transport Port

Syntax:

udp	udp
<1-65535>	Port Value

Command Mode: flow vm-exporter : Configure NetFlow Exporter for VM Networking

Command Path:

```
# configure [['terminal', 't']]
(config)# flow vm-exporter <WORD> destination address <A.B.C.D or A:B::C:D> transport udp
<dstPort>
(config-flow-vm-exporter)# transport udp <1-65535>
```

transport email from

transport email from <WORD>

Description: The contact e-mail address

Syntax:

WORD	The e-mail address (Max Size None)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# transport email from <WORD>
```

transport email from <WORD>

Description: The contact e-mail address

Syntax:

WORD	The e-mail address (Max Size None)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# transport email from <WORD>
```

transport email mail-server

transport email mail-server <host/ipaddr> [port <port>] [mgmtepg <mgmtepg>]

Description: Configure SMTP server

Syntax:

<*host/ipaddr*>	The hostname or ipaddress of the destination
port	(Optional) Port Number. Number range from=1 to=633535
mgmtepg	(Optional) mgmtepg

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# transport email mail-server <host/ipaddr> [port <port>] [mgmtepg
 <mgmtepg>]
```

transport email mail-server <host/ipaddr> [port <port>] [mgmtepg <mgmtepg>]

Description: Configure SMTP server

Syntax:

<*host/ipaddr*>	The hostname or ipaddress of the destination
port	(Optional) Port Number. Number range from=1 to=633535
mgmtepg	(Optional) mgmtepg

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# transport email mail-server <host/ipaddr> [port <port>] [mgmtepg
 <mgmtepg>]
```

transport email reply-to

transport email reply-to <WORD>

Description: The contact e-mail address

Syntax:

WORD	Reply-To e-mail address (Max Size None)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# destination-profile
(config-callhome-destnprof)# transport email reply-to <WORD>
```

transport email reply-to <WORD>

Description: The contact e-mail address

Syntax:

WORD	Reply-To e-mail address (Max Size None)

Command Mode: destination-profile : Configure destination profile Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# destination-profile
(config-callhome-destnprof)# transport email reply-to <WORD>
```

trigger-inventory

trigger-inventory <trigger-inventory>

Description: Trigger Inventory

Syntax:

trigger-inventory	Trigger Inventory

Command Mode: external-switch-node : External Switch Node

Command Path:

```
# configure [['terminal', 't']]
(config)# system external-switch-group <group-name>
(config-external-switch-group)# external-switch-node <node-name>
(config-external-switch-node)# trigger-inventory <trigger-inventory>
```

trigger fabric-discovery

trigger fabric-discovery <NUMBER>

Description: Trigger fabric discovery

Syntax:

<*cluster-size*>	Size of the cluster. Number range from=1 to=16

Command Mode: exec : Exec Mode

Command Path:

```
# trigger fabric-discovery <NUMBER>
```

trigger id-import

trigger id-import <PolicyName> <NUMBER>

Description: Import IDs and configurations from file

Syntax:

PolicyName	Snapshot import configuration name
<*num-pods*>	Number of PODs in the fabric. Number range from=1 to=255

Command Mode: exec : Exec Mode

Command Path:

```
# trigger id-import <PolicyName> <NUMBER>
```

trigger reconcile

trigger reconcile [['recover', 'checker', 'fixer']]

Description: Reconcile imported policies with switches

Syntax:

recover	(Optional) Reconcile
checker	(Optional) Run Checker
fixer	(Optional) Apply Checker

Command Mode: exec : Exec Mode

Command Path:

```
# trigger reconcile [['recover', 'checker', 'fixer']]
```

trigger shutdown

trigger shutdown controller <NUMBER>

Description: Shutdown controller

Syntax:

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

Command Mode: exec : Exec Mode

Command Path:

```
# trigger shutdown controller <NUMBER>
```

trigger snapshot download

trigger snapshot download <WORD>

Description: Trigger command for snapshot download

Syntax:

WORD	Snapshot download configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot download <WORD>
```

trigger snapshot export

trigger snapshot export <WORD>

Description: Trigger command for snapshot export

Syntax:

WORD	Snapshot export configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot export <WORD>
```

trigger snapshot import

trigger snapshot import <WORD>

Description: Trigger command for snapshot import

Syntax:

WORD	Snapshot import configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot import <WORD>
```

trigger snapshot rollback

trigger snapshot rollback <WORD>

Description: Trigger command for snapshot rollback

Syntax:

WORD	Snapshot rollback configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot rollback <WORD>
```

trigger snapshot upload

trigger snapshot upload <WORD>

Description: Trigger command for snapshot upload

Syntax:

WORD	Snapshot upload configuration name

Command Mode: exec : Exec Mode

Command Path:

```
# trigger snapshot upload <WORD>
```

trigger techsupport all

trigger techsupport all include-upgrade-logs [remotename <remote-path>]

Description: Trigger techsupport for controllers and switches

Syntax:

include-upgrade-logs	Include upgrade logs
remote-path	(Optional) remote-path

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport all include-upgrade-logs [remotename <remote-path>]
```

trigger techsupport controllers

trigger techsupport controllers include-upgrade-logs [remotename <remote-path>]

Description: Trigger techsupport for a controllers

Syntax:

include-upgrade-logs	Include upgrade logs
remote-path	(Optional) remote-path

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport controllers include-upgrade-logs [remotename <remote-path>]
```

trigger techsupport host

trigger techsupport host <NUMBER> remotename <remote-file-name> [node <leaf-node-id>]

Description: Trigger techsupport for a host

Syntax:

<*Odevid*>	Specify the host Odev ID. Number range from=0 to=9223372036854775807
remotename	Specify the file remote path name
<*remote-file-name*>	Remote path file name
<*leaf-node-id*>	(Optional) Specify the leaf node id

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport host <NUMBER> remotename <remote-file-name> [node <leaf-node-id>]
```

trigger techsupport local

trigger techsupport local

Description: Trigger techsupport for a local

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport local
```

trigger techsupport switch

trigger techsupport switch switchId <switchId> include-upgrade-logs [remotename <remote-path>]

Description: Trigger techsupport for a switch

Syntax:

switchId <switchId>	switch id 101-4000 or range(s): 101-103,104
include-upgrade-logs	Include upgrade logs
remote-path	(Optional) remote-path

Command Mode: exec : Exec Mode

Command Path:

```
# trigger techsupport switch switchId <switchId> include-upgrade-logs [remotename
<remote-path>]
```

trigger troubleshoot report

trigger troubleshoot report [format <format>]

Description: Trigger a report generation for a troubleshoot session

Syntax:

format	(Optional) Report format

Command Mode: exec : Exec Mode

Command Path:

```
# trigger troubleshoot report [format <format>]
```

trigger vmware

trigger vmware domain <name> vcenter <hostname|IP> pull-inventory

Description: Trigger VMware vCenter inventory pull

Syntax:

domain	VMware domain
<*name*>	VMM VMware Domain name
vcenter	VMware vCenter
<*hostname*|*IP*>	vCenter hostname or IP
pull-inventory	Pull inventory

Command Mode: exec : Exec Mode

Command Path:

```
# trigger vmware domain <name> vcenter <hostname|IP> pull-inventory
```

troubleshoot epext session atomiccounter

troubleshoot epext session <session_name> atomiccounter

Description: Start atomic counter of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> atomiccounter
```

troubleshoot epext session description

troubleshoot epext session <session_name> description <LINE>

Description: Set the description of a troubleshoot session

Syntax:

session	session
session_name	session name
LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> description <LINE>
```

troubleshoot epext session latency

troubleshoot epext session <session_name> latency [mode <mode>]

Description: Start latency stats of a troubleshoot session

Syntax:

session	session
session_name	session name
mode	(Optional) mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> latency [mode <mode>]
```

troubleshoot epext session latestminutes

troubleshoot epext session <session_name> latestminutes <minutes>

Description: Set the time window in number of minutes from current time

Syntax:

session	session
session_name	session name
minutes	number of minutes from current time. Number range from=5 to=1440

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> latestminutes <minutes>
```

troubleshoot epext session monitor destination apic

troubleshoot epext session <session_name> monitor destination apic srcipprefix <sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [spansrcports <pathep-list>]

Description: Configure this APIC as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
srcipprefix	srcipprefix
sip/m	Source IP adddress and subnet mask length
aip	(Optional) IP address of the host analyser
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> monitor destination apic srcipprefix
<sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [spansrcports
 <pathep-list>]
```

troubleshoot epext session monitor destination prefdestgroup

troubleshoot epext session <session_name> monitor destination prefdestgroup <destgroup_name> [spansrcports <pathep-list>]

Description: Configure a predefined monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
destgroup_name	Destination group name
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> monitor destination prefdestgroup
<destgroup_name> [spansrcports <pathep-list>]
```

troubleshoot epext session monitor destination tenant

troubleshoot epext session <session_name> monitor destination tenant <tn_name> application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [spansrcports <pathep-list>]

Description: Configure tenant EPG as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
tn_name	tenant name
application	application
ap_name	application name
epg	epg
epg_name	epg name
destip	destip
dip	destination IP address
srcipprefix	srcipprefix
sip/m	source IP address and subnet mask length
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
NUMBER	(Optional) mtu value. Number range from=64 to=9216
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> monitor destination tenant <tn_name>
application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version
 <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [spansrcports <pathep-list>]
```

troubleshoot epext session scheduler

troubleshoot epext session <session_name> scheduler <sch_name> [format <format>]

Description: Associate a scheduler to the troubleshoot session

Syntax:

session	session
session_name	session name
sch_name	scheduler name
format	(Optional) Reoport format

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> scheduler <sch_name> [format <format>]
```

troubleshoot epext session srcextip destip tenant application

troubleshoot epext session <session_name> srcextip <sip> destip <dip> tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
sip	external source IP
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> srcextip <sip> destip <dip> tenant
<dtenant_name> application <dapp_name> epg <depg_name>
```

troubleshoot epext session srcextip destip tenant vrf

troubleshoot epext session <session_name> srcextip <sip> destip <dip> tenant <dtenant_name> vrf <dvrf_name>

Description: vrf

Syntax:

session	session
session_name	session name
sip	external source IP
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dvrf_name	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> srcextip <sip> destip <dip> tenant
<dtenant_name> vrf <dvrf_name>
```

troubleshoot epext session srcip tenant application epg destextip

troubleshoot epext session <session_name> srcip <sip> tenant <stenant_name> application <sapp_name> epg <sepg_name> destextip <dip>

Description: External IP

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
dip	external destination IP

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> srcip <sip> tenant <stenant_name>
application <sapp_name> epg <sepg_name> destextip <dip>
```

troubleshoot epext session srcip tenant vrf destextip

troubleshoot epext session <session_name> srcip <sip> tenant <stenant_name> vrf <svrf_name> destextip <dip>

Description: external IP

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
dip	external destination IP

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> srcip <sip> tenant <stenant_name> vrf
<svrf_name> destextip <dip>
```

troubleshoot epext session starttime

troubleshoot epext session <session_name> starttime <start_time> endtime <end_time>

Description: Configure the start/end time of the session

Syntax:

session	session
session_name	session name
start_time	Start time (in YYYY-MM-DDTHH:MM:SS format)
endtime	end time
end_time	End time (in YYYY-MM-DDTHH:MM:SS format)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> starttime <start_time> endtime <end_time>
```

troubleshoot epext session traceroute

troubleshoot epext session <session_name> traceroute

Description: Start traceroute of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> traceroute
```

troubleshoot epext session traceroute protocol icmp

troubleshoot epext session <session_name> traceroute protocol icmp

Description: ICMP protocol

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> traceroute protocol icmp
```

troubleshoot epext session traceroute protocol tcp

troubleshoot epext session <session_name> traceroute protocol tcp [destport <port>]

Description: TCP protocol

Syntax:

session	session
session_name	session name
port	(Optional) TCP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> traceroute protocol tcp [destport <port>]
```

troubleshoot epext session traceroute protocol udp

troubleshoot epext session <session_name> traceroute protocol udp [destport <port>]

Description: UDP protocol

Syntax:

session	session
session_name	session name
port	(Optional) UDP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot epext session <session_name> traceroute protocol udp [destport <port>]
```

troubleshoot eptoep session atomiccounter

troubleshoot eptoep session <session_name> atomiccounter

Description: Start atomic counter of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> atomiccounter
```

troubleshoot eptoep session description

troubleshoot eptoep session <session_name> description <LINE>

Description: Set the description of a troubleshoot session

Syntax:

session	session
session_name	session name
LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> description <LINE>
```

troubleshoot eptoep session latency

troubleshoot eptoep session <session_name> latency [mode <mode>]

Description: Start latency stats of a troubleshoot session

Syntax:

session	session
session_name	session name
mode	(Optional) mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> latency [mode <mode>]
```

troubleshoot eptoep session latestminutes

troubleshoot eptoep session <session_name> latestminutes <minutes>

Description: Set the time window in number of minutes from current time

Syntax:

session	session
session_name	session name
minutes	number of minutes from current time. Number range from=5 to=1440

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> latestminutes <minutes>
```

troubleshoot eptoep session monitor destination apic

troubleshoot eptoep session <session_name> monitor destination apic srcipprefix <sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [spansrcports <pathep-list>]

Description: Configure this APIC as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
srcipprefix	srcipprefix
sip/m	Source IP adddress and subnet mask length
aip	(Optional) IP address of the host analyser
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> monitor destination apic srcipprefix
<sip/m> [analyser <aip>] [pref-erspan-version <preferspanver>] [erspan-id <id>] [spansrcports
 <pathep-list>]
```

troubleshoot eptoep session monitor destination prefdestgroup

troubleshoot eptoep session <session_name> monitor destination prefdestgroup <destgroup_name> [spansrcports <pathep-list>]

Description: Configure a predefined monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
destgroup_name	Destination group name
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> monitor destination prefdestgroup
<destgroup_name> [spansrcports <pathep-list>]
```

troubleshoot eptoep session monitor destination tenant

troubleshoot eptoep session <session_name> monitor destination tenant <tn_name> application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [spansrcports <pathep-list>]

Description: Configure tenant EPG as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
tn_name	tenant name
application	application
ap_name	application name
epg	epg
epg_name	epg name
destip	destip
dip	destination IP address
srcipprefix	srcipprefix
sip/m	source IP address and subnet mask lenght
preferspanver	(Optional) Preferred ERSPAN version
id	(Optional) erspan Id. Number range from=1 to=1023
NUMBER	(Optional) mtu value. Number range from=64 to=9216
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> monitor destination tenant <tn_name>
application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [pref-erspan-version
 <preferspanver>] [erspan-id <id>] [mtu <NUMBER>] [spansrcports <pathep-list>]
```

troubleshoot eptoep session scheduler

troubleshoot eptoep session <session_name> scheduler <sch_name> [format <format>]

Description: Associate a scheduler to the troubleshoot session

Syntax:

session	session
session_name	session name
sch_name	scheduler name
format	(Optional) Report format

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> scheduler <sch_name> [format <format>]
```

troubleshoot eptoep session srcip tenant application epg destip tenant application

troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> application <sapp_name> epg <sepg_name> destip <dip> tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name>
application <sapp_name> epg <sepg_name> destip <dip> tenant <dtenant_name> application
<dapp_name> epg <depg_name>
```

troubleshoot eptoep session srcip tenant application epg destip tenant vrf

troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> application <sapp_name> epg <sepg_name> destip <dip> tenant <dtenant_name> vrf <dvrf_name>

Description: vrf

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dvrf_name	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name>
application <sapp_name> epg <sepg_name> destip <dip> tenant <dtenant_name> vrf <dvrf_name>
```

troubleshoot eptoep session srcip tenant vrf destip tenant application

troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> vrf <svrf_name> destip <dip> tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> vrf
 <svrf_name> destip <dip> tenant <dtenant_name> application <dapp_name> epg <depg_name>
```

troubleshoot eptoep session srcip tenant vrf destip tenant vrf

troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> vrf <svrf_name> destip <dip> tenant <dtenant_name> vrf <WORD>

Description: vrf

Syntax:

session	session
session_name	session name
sip	source IP
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
destip	destip
dip	destination IP
tenant	tenant
dtenant_name	destination Tenant
WORD	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcip <sip> tenant <stenant_name> vrf
 <svrf_name> destip <dip> tenant <dtenant_name> vrf <WORD>
```

troubleshoot eptoep session srcmac tenant application epg destmac tenant application

troubleshoot eptoep session <session_name> srcmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> application <sapp_name> epg <sepg_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
destmac	destmac
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> application
 <sapp_name> epg <sepg_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 tenant <dtenant_name> application <dapp_name> epg <depg_name>
```

troubleshoot eptoep session srcmac tenant application epg destmac tenant vrf

troubleshoot eptoep session <session_name> srcmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> application <sapp_name> epg <sepg_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> vrf <dvrf_name>

Description: vrf

Syntax:

session	session
session_name	session name
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
stenant_name	source Tenant
sapp_name	source Application
epg	epg
sepg_name	source EPG
destmac	destmac
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
dtenant_name	destination Tenant
dvrf_name	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> application
 <sapp_name> epg <sepg_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE
 tenant <dtenant_name> vrf <dvrf_name>
```

troubleshoot eptoep session srcmac tenant vrf destmac tenant application

troubleshoot eptoep session <session_name> srcmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> vrf <svrf_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> application <dapp_name> epg <depg_name>

Description: application

Syntax:

session	session
session_name	session name
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
destmac	destmac
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
dtenant_name	destination Tenant
dapp_name	destination Application
epg	epg
depg_name	destination EPG

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> vrf <svrf_name>
 destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name>
application <dapp_name> epg <depg_name>
```

troubleshoot eptoep session srcmac tenant vrf destmac tenant vrf

troubleshoot eptoep session <session_name> srcmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> vrf <svrf_name> destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> vrf <dvrf_name>

Description: vrf

Syntax:

session	session
session_name	session name
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
stenant_name	source Tenant
svrf_name	source VRF
destmac	destmac
E.E.E	MAC address (Option 1)
EE-EE-EE-EE-EE-EE	MAC address (Option 2)
EE:EE:EE:EE:EE:EE	MAC address (Option 3)
EEEE.EEEE.EEEE	MAC address (Option 4)
tenant	tenant
dtenant_name	destination Tenant
dvrf_name	destination VRF

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> srcmac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <stenant_name> vrf <svrf_name>
 destmac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE tenant <dtenant_name> vrf
```

<dvrf_name>

troubleshoot eptoep session starttime

troubleshoot eptoep session <session_name> starttime <start_time> endtime <end_time>

Description: Configure the start/end time of the session

Syntax:

session	session
session_name	session name
start_time	Start time (in YYYY-MM-DDTHH:MM:SS format)
endtime	end time
end_time	End time (in YYYY-MM-DDTHH:MM:SS format)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> starttime <start_time> endtime <end_time>
```

troubleshoot eptoep session traceroute

troubleshoot eptoep session <session_name> traceroute

Description: Start traceroute of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> traceroute
```

troubleshoot eptoep session traceroute protocol icmp

troubleshoot eptoep session <session_name> traceroute protocol icmp

Description: ICMP protocol

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> traceroute protocol icmp
```

troubleshoot eptoep session traceroute protocol tcp

troubleshoot eptoep session <session_name> traceroute protocol tcp [destport <port>]

Description: TCP protocol

Syntax:

session	session
session_name	session name
port	(Optional) TCP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> traceroute protocol tcp [destport
<port>]
```

troubleshoot eptoep session traceroute protocol udp

troubleshoot eptoep session <session_name> traceroute protocol udp [destport <port>]

Description: UDP protocol

Syntax:

session	session
session_name	session name
port	(Optional) UDP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot eptoep session <session_name> traceroute protocol udp [destport
<port>]
```

troubleshoot extext session atomiccounter

troubleshoot extext session <session_name> atomiccounter

Description: Start atomic counter of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> atomiccounter
```

troubleshoot extext session description

troubleshoot extext session <session_name> description <LINE>

Description: Set the description of a troubleshoot session

Syntax:

session	session
session_name	session name
LINE	Session description, use single quotes with spaces ex: 'my descr' (Max Size 128)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> description <LINE>
```

troubleshoot extext session latency

troubleshoot extext session <session_name> latency [mode <mode>]

Description: Start latency stats of a troubleshoot session

Syntax:

session	session
session_name	session name
mode	(Optional) mode

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> latency [mode <mode>]
```

troubleshoot extext session latestminutes

troubleshoot extext session <session_name> latestminutes <minutes>

Description: Set the time window in number of minutes from current time

Syntax:

session	session
session_name	session name
minutes	number of minutes from current time. Number range from=5 to=1440

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> latestminutes <minutes>
```

troubleshoot extext session monitor destination apic

troubleshoot extext session <session_name> monitor destination apic srcipprefix <sip/m> [analyser <aip>] [erspan-id <id>] [spansrcports <pathep-list>]

Description: Configure this APIC as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
srcipprefix	srcipprefix
sip/m	Source IP adddress and subnet mask length
aip	(Optional) IP address of the host analyser
id	(Optional) erspan Id. Number range from=1 to=1023
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> monitor destination apic srcipprefix
<sip/m> [analyser <aip>] [erspan-id <id>] [spansrcports <pathep-list>]
```

troubleshoot extext session monitor destination prefdestgroup

troubleshoot extext session <session_name> monitor destination prefdestgroup <destgroup_name> [spansrcports <pathep-list>]

Description: Configure a predefined monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
destgroup_name	Destination group name
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> monitor destination prefdestgroup
<destgroup_name> [spansrcports <pathep-list>]
```

troubleshoot extext session monitor destination tenant

troubleshoot extext session <session_name> monitor destination tenant <tn_name> application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [erspan-id <id>] [spansrcports <pathep-list>]

Description: Configure tenant EPG as monitor destination

Syntax:

session	session
session_name	session name
destination	destinaton
tn_name	tenant name
application	application
ap_name	application name
epg	epg
epg_name	epg name
destip	destip
dip	destination IP address
srcipprefix	srcipprefix
sip/m	source IP address and subnet mask length
id	(Optional) erspan Id. Number range from=1 to=1023
pathep-list	(Optional) List of source fabricPathEp dn

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> monitor destination tenant <tn_name>
application <ap_name> epg <epg_name> destip <dip> srcipprefix <sip/m> [erspan-id <id>]
[spansrcports <pathep-list>]
```

troubleshoot extext session scheduler

troubleshoot extext session <session_name> scheduler <sch_name> [format <format>]

Description: Associate a scheduler to the troubleshoot session

Syntax:

session	session
session_name	session name
sch_name	scheduler name
format	(Optional) Reoport format

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> scheduler <sch_name> [format <format>]
```

troubleshoot extext session srcextip

troubleshoot extext session <session_name> srcextip <srcextip> tenant <stenant_name> l3out <l3out_name> destextip <dstextip> tenant <dtenant_name> l3out <l3out_name>

Description: Create an extext troubleshoot session with an external IP as source

Syntax:

session	session
session_name	session name
<*srcextip*>	external source IP
tenant	tenant
stenant_name	source tenant name (Max Size 63)
l3out	l3out
l3out_name	source L3out (Max size 64
destextip	external destination IP
<*dstextip*>	external source IP
tenant	tenant
dtenant_name	destination tenant name (Max Size 63)
l3out	l3out
l3out_name	destination L3out (Max size 64

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> srcextip <srcextip> tenant <stenant_name>
 l3out <l3out_name> destextip <dstextip> tenant <dtenant_name> l3out <l3out_name>
```

troubleshoot extext session starttime

troubleshoot extext session <session_name> starttime <start_time> endtime <end_time>

Description: Configure the start/end time of the session

Syntax:

session	session
session_name	session name
start_time	Start time (in YYYY-MM-DDTHH:MM:SS format)
endtime	end time
end_time	End time (in YYYY-MM-DDTHH:MM:SS format)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> starttime <start_time> endtime <end_time>
```

troubleshoot extext session traceroute

troubleshoot extext session <session_name> traceroute

Description: Start traceroute of a troubleshoot session

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> traceroute
```

troubleshoot extext session traceroute protocol icmp

troubleshoot extext session <session_name> traceroute protocol icmp

Description: ICMP protocol

Syntax:

session	session
session_name	session name

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> traceroute protocol icmp
```

troubleshoot extext session traceroute protocol tcp

troubleshoot extext session <session_name> traceroute protocol tcp [destport <port>]

Description: TCP protocol

Syntax:

session	session
session_name	session name
port	(Optional) TCP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> traceroute protocol tcp [destport
<port>]
```

troubleshoot extext session traceroute protocol udp

troubleshoot extext session <session_name> traceroute protocol udp [destport <port>]

Description: UDP protocol

Syntax:

session	session
session_name	session name
port	(Optional) UDP destination port number. Number range from=0 to=65535

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# troubleshoot extext session <session_name> traceroute protocol udp [destport
<port>]
```

trunk-portgroup

trunk-portgroup <arg>

Description: Configure a trunk port group in the VMWare domain

Syntax:

arg	

Command Mode: vmware-domain : Create a VMM VMWare Domain

Command Path:

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

trust-control

trust-control <WORD>

Description: Configuration for trust control policy

Syntax:

WORD	IPv6 trust control name (Max Size 64)

Command Mode: first-hop-security : Configuration for first hop security

Command Path:

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

trusted-key

trusted-key <id>

Description: Configure trusted for ntp authentication key

Syntax:

id	Id for the trusted key. Number range from=1 to=65535

Command Mode: ntp : Configure the default ntp policy

Command Path:

```
# configure [['terminal', 't']]
(config)# pod <NUMBER>
(config-pod)# ntp
(config-ntp)# trusted-key <id>
```

trusted-key <id>

Description: Configure trusted for ntp authentication key

Syntax:

id	Id for the trusted key. Number range from=1 to=65535

Command Mode: template ntp-fabric : Network Time Protocol (NTP)

Command Path:

```
# configure [['terminal', 't']]
(config)# template ntp-fabric <WORD>
(config-template-ntp-fabric)# trusted-key <id>
```

try

try interface|node|epg|vm|vm-port-group scope

Description: Show deployment related changes

Syntax:

interface	Interface
node	Nodes using the policy
epg	Endpoint Group
vm	Virtual Machine
vm-port-group	Port Group
scope	command scope

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# try interface|node|epg|vm|vm-port-group scope
```