Q Commands

qinq-static-endpoint

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

Description: Configure Silent Host behind an EPG with a Static Path Attachment

Syntax:

mac	MAC address
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)
outer-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
inner-vlan	Outer Encapsulation Vlan
<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
A1.B1.C1.D1,...,An.Bn.Cn.Dn	(Optional) List of IP addresses in format i.i.i.i
A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

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A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

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A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface ethernet : Ethernet IEEE 802.3z

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface ethernet <ifRange>
(config-leaf-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

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A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface port-channel : Port Channel interface

Command Path:

```
# configure [['terminal', 't']]
(config)# spine <101-4000>
(config-spine)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qinq-static-endpoint mac E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan <NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]

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A1:B1::C1:D1,..,An:Bn::Cn:Dn	(Optional) List of IPv6 address in format xxxx:xxxx, xxxx::xx

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# qinq-static-endpoint mac
E.E.E|EE-EE-EE-EE-EE-EE|EE:EE:EE:EE:EE:EE|EEEE.EEEE.EEEE outer-vlan <NUMBER> inner-vlan
<NUMBER> [ip <A1.B1.C1.D1,...,An.Bn.Cn.Dn>] [ipv6 <A1:B1::C1:D1,..,An:Bn::Cn:Dn>]
```

qos

qos dscp-map <WORD>

Description: Set DSCP Class translation values

Syntax:

dscp-map	DSCP map
WORD	DSCP Translation Policy name (Max Size 64)

Command Mode: tenant : Tenant configuration mode

Command Path:

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

qos parameters

qos parameters <WORD>

Description: Configure the global QOS policies

Syntax:

WORD	Qos Level

Command Mode: configure : Configuration Mode

Command Path:

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

qos preserve

qos preserve cos

Description: Preserve incoming qos value in the frame

Syntax:

cos	IEEE 802.1P class of service.

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# qos preserve cos
```

qos preserve

query-profile

query-profile

Description: Configure Query profile Parameters

Command Mode: callhome : Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# callhome common
(config-callhome)# query-profile
```

query-profile

Description: Configure Query profile Parameters

Command Mode: smartcallhome : Smart Callhome common policy configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# smartcallhome common
(config-smartcallhome)# query-profile
```

query

query <WORD> type dn|class <dn/classname>

Description: Configure Query profile Parameters

Syntax:

WORD	Query name (Max Size 16)
type	type
dn	Dn
class	Class
<dn/classname>	The class or DN name

Command Mode: query-profile : 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>
```

query <WORD> type dn|class <dn/classname>

Description: Configure Query profile Parameters

Syntax:

WORD	Query name (Max Size 16)
type	type
dn	Dn
class	Class
<dn/classname>	The class or DN name

Command Mode: query-profile : 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>
```

queue control

queue control dynamic

Description: Set the queueing control method

Syntax:

dynamic	Dynamic allocation of queue resources

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# queue control dynamic
```

queue limit

queue limit <1500-9216>

Description: Set the limit for the policing queue

Syntax:

<1500-9216>	Queue limit size

Command Mode: qos parameters : Configure the global QOS policies

Command Path:

```
# configure [['terminal', 't']]
(config)# qos parameters <WORD>
(config-qos)# queue limit <1500-9216>
```

quota

quota <WORD> max <0-4294967295> [exceed-action <WORD>] [scope <WORD>] [tenant <WORD>] [bridge-domain <WORD>] [application <WORD>] [epg <WORD>]

Description: Quota Settings

Syntax:

WORD	Name of class to place under quota (Max Size None)
max	Maximum value above which exceed action is taken
<0-4294967295>	Maximum value above which exceed action is taken
WORD	(Optional) Exceed Action to be taken when max is exceeded
WORD	(Optional) Subtree where the quota is calculated (Max Size None)
WORD	(Optional) Tenant for the quota (Max Size 63)
WORD	(Optional) Name of the bridge-domain (Max Size 64)
WORD	(Optional) Application name (Max Size 64)
WORD	(Optional) Application EPG name (Max Size 64)

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# quota <WORD> max <0-4294967295> [exceed-action <WORD>] [scope <WORD>] [tenant
<WORD>] [bridge-domain <WORD>] [application <WORD>] [epg <WORD>]
```