



## Q Commands

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# 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
<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	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
<i>A1.B1.C1.D1,...,An.Bn.Cn.Dn</i>	(Optional) List of IP addresses in format i.i.i.i
<i>A1:B1::C1:D1,...,An:Bn::Cn:Dn</i>	(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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<1-4094>	Encapsulation Vlan. Number range from=1 to=4094
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<i>A1:B1::C1:D1,...,An:Bn::Cn:Dn</i>	(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>]

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

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<i>A1:B1::C1:D1,...,An:Bn::Cn:Dn</i>	(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>]**

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

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<i>E.E.E</i>	MAC address (Option 1)
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<i>A1.B1.C1.D1,...,An.Bn.Cn.Dn</i>	(Optional) List of IP addresses in format i.i.i.i
<i>A1:B1::C1:D1,...,An:Bn::Cn:Dn</i>	(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>]**

**Description:** Configure silent Host behind a EPG with a Static Path Attachment

**Syntax:**

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<i>E.E.E</i>	MAC address (Option 1)
<i>EE-EE-EE-EE-EE-EE</i>	MAC address (Option 2)
<i>EE:EE:EE:EE:EE:EE</i>	MAC address (Option 3)
<i>EEEE.EEEE.EEEE</i>	MAC address (Option 4)
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<i>A1.B1.C1.D1,...,An.Bn.Cn.Dn</i>	(Optional) List of IP addresses in format i.i.i.i
<i>A1:B1::C1:D1,...,An:Bn::Cn:Dn</i>	(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
<i>WORD</i>	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:**

<i>WORD</i>	Qos Level
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**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.
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**Command Mode:** configure : Configuration Mode

**Command Path:**

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



# 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:**

<i>WORD</i>	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:**

<i>WORD</i>	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 queuing control method

**Syntax:**

dynamic	Dynamic allocation of queue resources
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**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
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**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:**

<i>WORD</i>	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
<i>WORD</i>	(Optional) Exceed Action to be taken when max is exceeded
<i>WORD</i>	(Optional) Subtree where the quota is calculated (Max Size None)
<i>WORD</i>	(Optional) Tenant for the quota (Max Size 63)
<i>WORD</i>	(Optional) Name of the bridge-domain (Max Size 64)
<i>WORD</i>	(Optional) Application name (Max Size 64)
<i>WORD</i>	(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>]
```

