

Configuring Q-in-Q Tunneling (CLI Procedure)

Q-in-Q tunneling allows service providers on Ethernet access networks to segregate or bundle customer traffic into different VLANs by adding another layer of 802.1Q tags. You can configure Q-in-Q tunneling on EX Series switches.

Before you begin configuring Q-in-Q tunneling, make sure you set up your VLANs. See [Configuring VLANs for EX Series Switches \(CLI Procedure\)](#) or [Configuring VLANs for EX Series Switches \(J-Web Procedure\)](#).

To configure Q-in-Q tunneling:

1. Enable Q-in-Q tunneling on the S-VLAN:

```
[edit vlans]
user@switch# set s-vlan-name dot1q-tunneling
```

2. Set the allowed C-VLANs on the S-VLAN (optional). Here, the C-VLANs are identified by VLAN range:

```
[edit vlans]
user@switch# set s-vlan-name dot1q-tunneling customer-vlans range
```

3. Change the global Ethertype value (optional):

```
[edit]
user@switch# set ethernet-switching-options dot1q-tunneling ether-type
ether-type-value
```

4. Disable MAC address learning on the S-VLAN (optional):

```
[edit vlans]
user@switch# set s-vlan-name no-mac-learning
```

- Related Topics**
- [Example: Setting Up Q-in-Q Tunneling on EX Series Switches](#)
 - [Verifying That Q-in-Q Tunneling Is Working](#)
 - [Understanding Q-in-Q Tunneling on EX Series Switches](#)

Published: 2009-07-22