

## Configuring Q-in-Q Tunneling (CLI Procedure)

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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](#)

