

vlan

Syntax

```
vlan {  
  vlan-name {  
    description text-description;  
    dot1q-tunneling {  
      customer-vlans (id | range)  
    }  
    filter input filter-name;  
    filter output filter-name;  
    interface interface-name {  
      mapping (policy | tag push | native push);  
    }  
    l3-interface vlan.logical-interface-number;  
    mac-limit number;  
    mac-table-aging-time seconds;  
    no-local-switching;  
    no-mac-learning;  
    primary-vlan vlan-name;  
    vlan-id number;  
    vlan-range vlan-id-low-vlan-id-high;  
  }  
}
```

Hierarchy Level [edit]

Release Information Statement introduced in JUNOS Release 9.0 for EX Series switches. Options **dot1q-tunneling**, **no-local-switching**, and **primary-vlan** introduced in JUNOS Release 9.3 for EX Series switches. Periods (.) in VLAN names introduced in JUNOS Release 9.4 for EX Series switches. Option **no-mac-learning** introduced in JUNOS Release 9.5 for EX Series switches. Option **mapping** introduced in JUNOS Release 9.6 for EX Series switches.

Description Configure VLAN properties on EX Series switches. The following configuration guidelines apply:

- Only private VLAN (PVLAN) firewall filters can be used when the VLAN is enabled for Q-in-Q tunneling.
- An S-VLAN tag is added to the packet if the VLAN is dot1q-tunneled and the packet is arriving from an access interface.
- You cannot use a firewall filter to assign a routed VLAN interface (RVI) to a VLAN.
- VLAN assignments performed using a firewall filter override all other VLAN assignments.

Default If you use the default factory configuration, all switch interfaces become part of the VLAN default.

Options *vlan-name*—Name of the VLAN. The name can contain letters, numbers, hyphens (-), and periods (.) and can be up to 255 characters long.

The remaining statements are explained separately.

Required Privilege Level routing—To view this statement in the configuration.
routing-control—To add this statement to the configuration.

- Related Topics**
- Configuring VLANs for EX Series Switches (CLI Procedure)
 - Configuring VLANs for EX Series Switches (J-Web Procedure)
 - Configuring Q-in-Q Tunneling (CLI Procedure)
 - Creating a Series of Tagged VLANs (CLI Procedure)
 - Configuring Routed VLAN Interfaces (CLI Procedure)
 - Understanding Q-in-Q Tunneling on EX Series Switches
 - Understanding Bridging and VLANs on EX Series Switches

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