

Verifying That a Private VLAN Is Working

Purpose After creating and configuring private VLANs, verify they are set up properly.

- Action** 1. Use the `show configuration vlans` command to determine if you successfully created the primary and secondary VLAN configurations:

```
user@switch> show configuration vlans
```

```
community1 {
  interface {
    interface a;
    interface b;
  }
  primary-vlan pvlan;
}
community2 {
  interface {
    interface d;
    interface e;
  }
  primary-vlan pvlan;
}
pvlan {
  vlan-id 1000;
  interface {
    isolated1;
    isolated2;
    trunk1;
    trunk2;
  }
  no-local-switching;
}
```

2. Use the `show vlans` command to view VLAN information and link status:

```
user@switch> show vlans pvlan extensive
```

```
VLAN: pvlan, Created at: time
802.1Q Tag: vlan-id, Internal index: index-number, Admin State: Enabled,
Origin: Static
Private VLAN Mode: Primary
Protocol: Port Mode
Number of interfaces: Tagged 2 (Active = 0), Untagged 6 (Active = 0)
    trunk1, tagged, trunk
    interface a, untagged, access
    interface b, untagged, access
    interface c, untagged, access
    interface d, untagged, access
    interface e, untagged, access
    interface f, untagged, access
    trunk2, tagged, trunk
Secondary VLANs: Isolated 2, Community 2
Isolated VLANs :
    __pvlan_pvlan_isolated1__
    __pvlan_pvlan_isolated2__
Community VLANs :
    community1
    community2
```

3. Use the `show ethernet-switching table vlan` command to view logs for MAC learning on the VLANs:

```
user@switch> vlan pvlan extensive
```

```
pvlan, *  
Interface(s): trunk1  
Interface(s): interface a  
Interface(s): interface b  
Interface(s): interface c  
Interface(s): interface d  
Interface(s): interface e  
Interface(s): interface f  
Interface(s): trunk2  
Type: Flood  
Nexthop index: 1344
```

Meaning The output shows that the primary and secondary VLANs were created and associated and displays MAC learning information.

- Related Topics**
- Creating a Private VLAN (CLI Procedure)
 - Example: Configuring a Private VLAN on an EX-series Switch