

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

Published: 2009-07-22