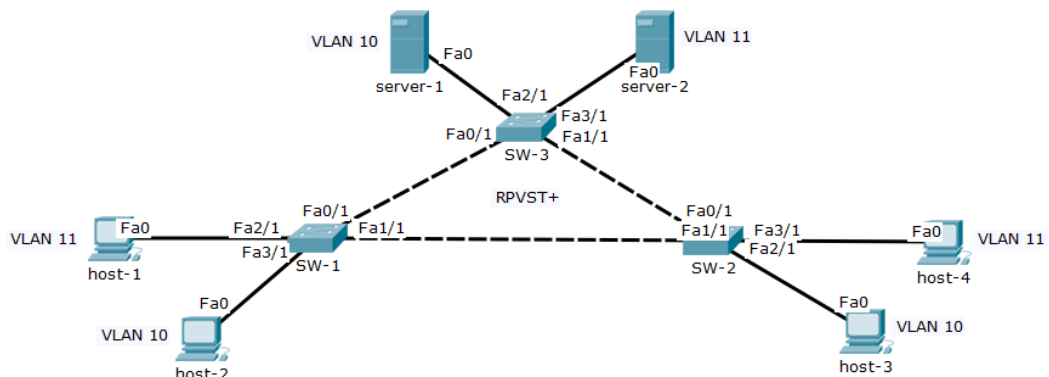


Root Bridge Selection

Lab Summary

Manually change the root bridge to switch-3 with the switch priority command.

Figure 1 Lab Topology



Lab Configuration

Start Packet Tracer File: **Root Bridge Selection**

Click on the *switch-2* icon and select the *CLI* folder. Hit the <enter> key for user mode prompt (>).

Step 1: Enter global configuration mode.

```
switch-2> enable
Password: ciscoconet
switch-2#
```

Step 2: Verify the root bridge for VLAN 10 and VLAN 11 is switch-2 (resize box).

```
switch-2# show spanning-tree vlan 10
switch-2# show spanning-tree vlan 11
```

Click on the *switch-3* icon and select the *CLI* folder. Hit the <enter> key for user mode prompt (>).

Step 3: Enter global configuration mode.

```
switch-3> enable
Password: ciscoconet
switch-3# configure terminal
```

```

switch-3(config)# spanning-tree vlan 10 priority 28672
switch-3(config)# spanning-tree vlan 11 priority 28672
switch-3(config)# end
switch-3# copy running-config startup-config

```

Step 4: Verify Lab

Verify the root bridge for VLAN 10 and VLAN 11 is now switch-3 and all interfaces are designated ports.

```
switch-3# show spanning-tree summary
```

```
switch-3# show spanning-tree vlan 10
```

```
VLAN0010
```

```
Spanning tree enabled protocol rstp
```

```
Root ID Priority  28682
```

```
Address  0090.2149.B1D8
```

```
This bridge is the root
```

```
Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
```

```
Bridge ID Priority 28682 (priority 28672 sys-id-ext 10)
```

```
Address  0090.2149.B1D8
```

```
Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
```

```
Aging Time  20
```

Interface	Role	Sts	Cost	Prio.Nbr	Type

Fa0/1	Desg	FWD	19	128.1	P2p
Fa2/1	Desg	FWD	19	128.3	P2p
Fa1/1	Desg	FWD	19	128.2	P2p

```
switch-3# show spanning-tree vlan 11
```

```
VLAN0011
```

```
Spanning tree enabled protocol rstp
```

```
Root ID Priority  28683
```

```
Address  0090.2149.B1D8
```

```
This bridge is the root
```

```
Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
```

```
Bridge ID Priority 28683 (priority 28672 sys-id-ext 11)
```

```
Address  0090.2149.B1D8
```

```
Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
```

```
Aging Time  20
```

Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa3/1	Desg	FWD	19	128.4	P2p
Fa0/1	Desg	FWD	19	128.1	P2p
Fa1/1	Desg	FWD	19	128.2	P2p