

```

System-pri 0-61440 D-32768 System-Ext-ID ( VLAN ID) -----
----- 32768 16384
8192 4096 2048 1024 512 256 128 64 32 16 8 4 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0
1 32769

```

CST:802.id -----

open standard one instance/one bpdu for all vlans Low resource consumption
Does not support LB one phy/one logical

PVST Cisco Seperate instance/seperate bpdu for vlan ISL based Does not Support CST Supports LB One Phy/multiple logical topologies

PVST+ Cisco Seperate instance/seperate bpdu for vlan ISL based/Dot1q Does Support CST Supports LB One Phy/multiple logical topologies

Spanning-tree vlan 1 pri <0-61440>

Spanning-tree vlan 1-4094 root primary

!Case 1 If all the Switches in the NW has default pri <32768> Spanning-tree
vlan 1-4094 root primary 32768 8192 ----- 24576 -----

Case 2: SW1 8192/AAAA -Current RB SW1 24576/AAAA -Current RB

SW2: Spanning-tree vlan 1-4094 root primary 4096/BBBB 20000/BBBB

Case 3: SW1 8192/AAAA -Current RB SW2:local Spanning-tree vlan 1-4094
root primary 8192 /AAA9

Spanning-tree vlan 1-4094 root secondary 32768 - 4096 ----- 28672

SW1: en conf t host SW1 int r g0/0-1 Sw trunk encap dot1q Sw mode trunk
exit

! Shut down unused ports

int r g1/0-3,g2/0-3,g3/0-3 Shut exit

Spanning-tree vlan 1-4094 root primary

SW2 en conf t Host SW2 int r g0/0-1 Sw trunk encap dot1q Sw mode trunk
exit

! Shut down unused ports

int r g0/3,g1/0-3,g2/0-3,g3/0-3 Shut exit

Spanning-tree vlan 1-4094 root secondary

SW3: en conf t Host SW3 int r g0/0-1 Sw trunk encap dot1q Sw mode trunk
exit

! Shut down unused ports

int r g0/3,g1/0-3,g2/0-3,g3/0-3 Shut exit end Debug spanning-tree events

SW2 int g0/2 Spanning-tree portfast exit

SW1 spanning-tree portfast edge default

Sw3 int g0/2 Sw host exit

ltiple logical topologies