



By :

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Spanning tree lab

Spanning tree protocol:

Switch	Port	Status (FWD, BLK...)	Root Bridge?
S1	G0/1	FWD	No
	G0/2	FWD	No
S2	G0/1	FWD	Yes
	G0/2	FWD	Yes
S3	G0/1	FWD	No
	G0/2	BLK	No

```
S2>en
S2#sh
S2#show spa
S2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address     0001.6448.C6E7
              This bridge is the root
              Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec

    Bridge ID  Priority    32769  (priority 32768 sys-id-ext 1)
              Address     0001.6448.C6E7
              Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec
              Aging Time 20

Interface      Role Sts Cost      Prio.Nbr Type
-----
Gi0/2          Desg FWD 4         128.26 P2p
Gi0/1          Desg FWD 4         128.25 P2p
Fa0/1          Desg FWD 19        128.1  P2p

S2#
```

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```
S3>
S3>en
S3#sho
S3#show s
S3#show sp
S3#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.6448.C6E7
            Cost         4
            Port         25(GigabitEthernet0/1)
            Hello Time   2 sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority    32769  (priority 32768 sys-id-ext 1)
            Address     000C.CF45.7534
            Hello Time   2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time   20

Interface    Role Sts Cost      Prio.Nbr Type
-----
Gi0/1        Root FWD 4        128.25  P2p
Gi0/2        Altn BLK 4        128.26  P2p

S3#
```

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