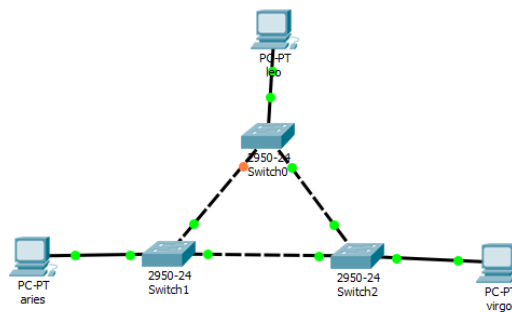


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MODUL 6 SPANNING TREE PROTOCOL

Kegiatan 1. Topologi 1



SW 0

```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface

Switch>en
Switch#show sp
VLAN0001
Spanning tree enabled protocol ieee
Root ID    Priority    32769
           Address    0001.96A3.7A08
           Cost      19
           Port      3(FastEthernet0/3)
           Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
           Bridge ID Priority    32769 (priority 32768 sys-id-ext 1)
           Address    00E0.F788.266B
           Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
           Aging Time 20

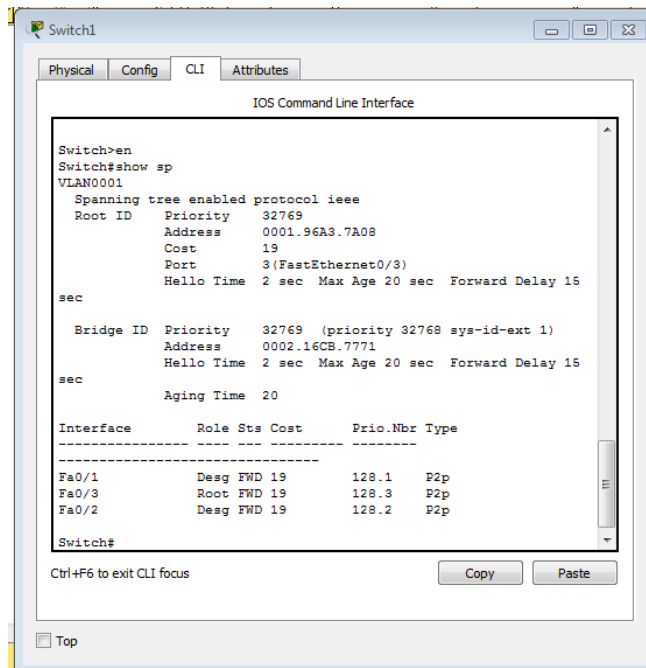
Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/2        Altn BLK 19        128.2    P2p
Fa0/1        Desg FWD 19        128.1    P2p
Fa0/3        Root FWD 19        128.3    P2p

Switch#
```

SW 0

Root ID : 32769, 0001.96A3.7A08
Bridge ID : 32769, 00E.F788.266B
Cost : 3
Hello Time : 2 sec
Max Age : 20 sec
Forward Delay : 15
Pada kondisi default tersebut, **Switch 0** menjadi **Root Port** dan berada pada keadaan **Blocking**

SW 1



SW 1

Root ID : 32769, 0001.96A3.7A08

Bridge ID : 32769, 0002.16CB.7771

Cost : 3

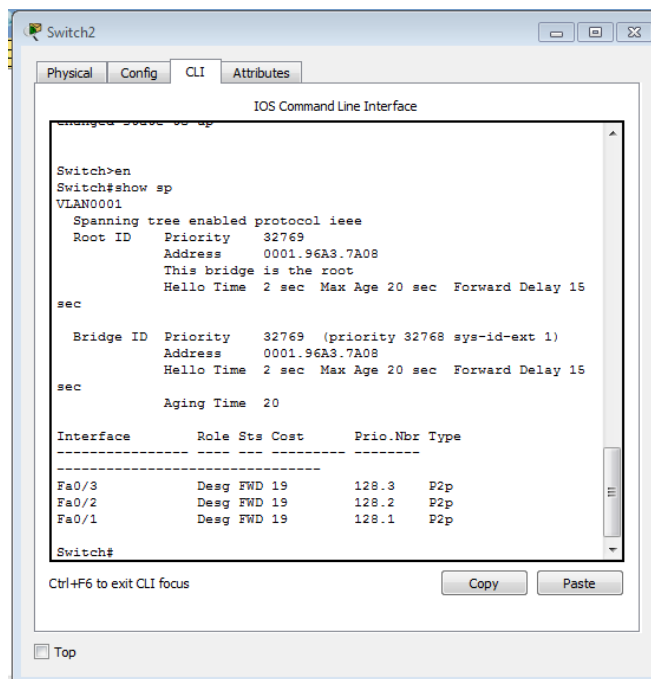
Hello Time : 2 sec

Max Age : 20 sec

Forward Delay : 15

Pada kondisi default tersebut, **Switch 1** menjadi **Root Port** dan berada pada keadaan **Forwarding**

SW 2



SW 2

Root ID : 32769, 0001.96A3.7A08

Bridge ID : 32769, 0001.96A3.7A08

This bridge is the root

Hello Time : 2 sec

Max Age : 20 sec

Forward Delay : 15

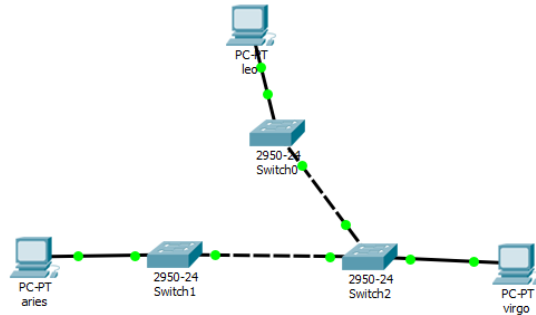
Pada kondisi default tersebut, **Switch 2** menjadi **Root Bridge dan Designated Briridge** dan berada pada keadaan **Forwarding**

Root Bridge : SW2

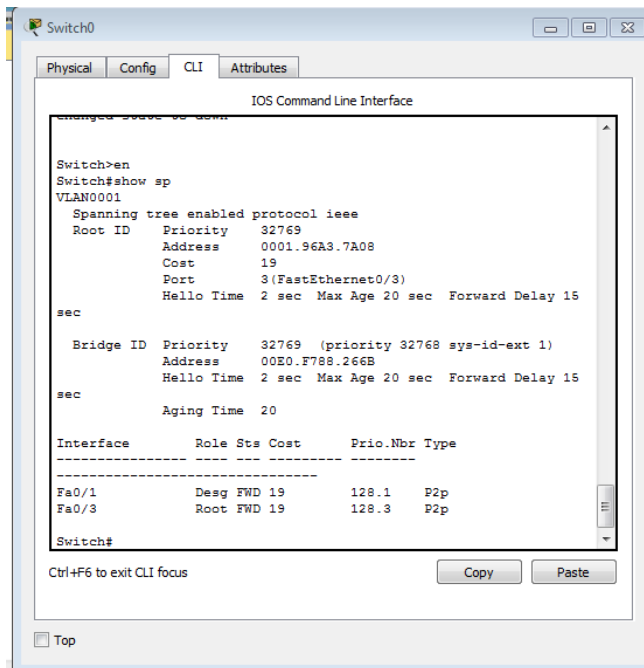
Designeted Bridge : SW2

Root Port : SW0 dan SW1

Kegiatan 2. Topologi 2



SW 0



SW 0

Root ID : 32769, 0001.96A3.7A08

Bridge ID : 32769, 00E0.F788.266B

Cost : 3

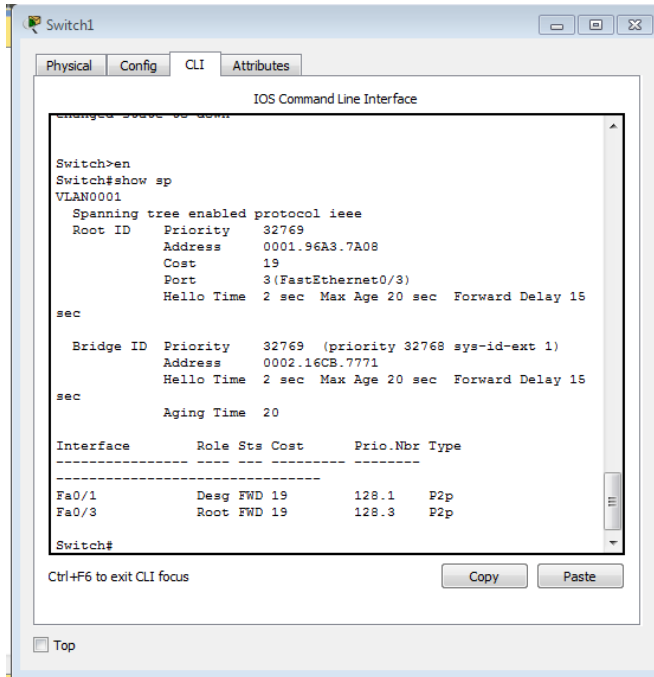
Hello Time : 2 sec

Max Age : 20 sec

Forward Delay : 15

Pada kondisi default tersebut, **Switch 0** menjadi **Root Port** dan berada pada keadaan **Forwarding**

SW 1



```
Switch1>en
Switch1#show sp
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.96A3.7A08
            Cost        19
            Port        3(FastEthernet0/3)
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
  Bridge ID   Priority    32769 (priority 32768 sys-id-ext 1)
            Address     0002.16CB.7771
            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
Fa0/3        Root FWD 19       128.3    P2p

Switch1#
```

SW 1

Root ID : 32769, 0001.96A3.7A08

Bridge ID : 32769, 0002.16CB.7771

Cost : 3

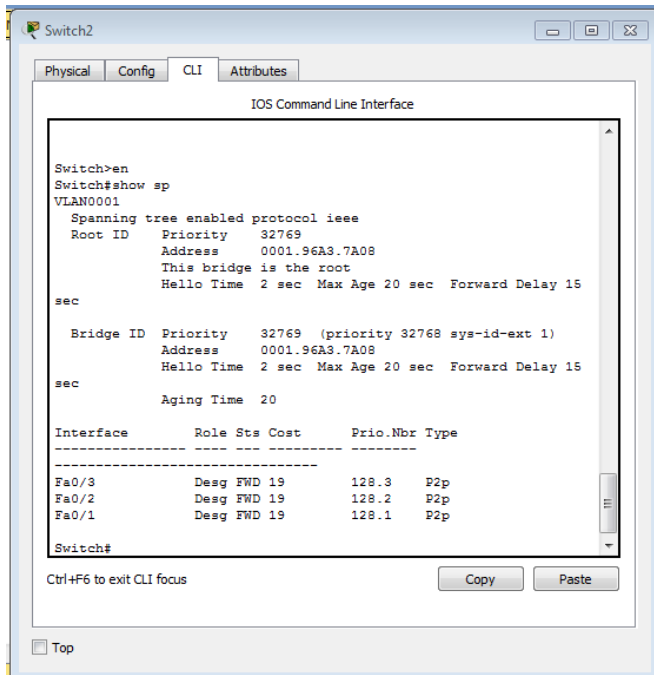
Hello Time : 2 sec

Max Age : 20 sec

Forward Delay : 15

Pada kondisi default tersebut, **Switch 1** menjadi **Root Port** dan berada pada keadaan **Forwarding**

SW 2



```
Switch2>en
Switch2#show sp
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.96A3.7A08
            Cost        19
            Port        3(FastEthernet0/3)
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
  Bridge ID   Priority    32769 (priority 32768 sys-id-ext 1)
            Address     0001.96A3.7A08
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
            Aging Time  20

Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/3        Desg FWD 19       128.3    P2p
Fa0/2        Desg FWD 19       128.2    P2p
Fa0/1        Desg FWD 19       128.1    P2p

Switch2#
```

SW 2

Root ID : 32769, 0001.96A3.7A08

Bridge ID : 32769, 0001.96A3.7A08

This bridge is the root

Hello Time : 2 sec

Max Age : 20 sec

Forward Delay : 15

Pada kondisi default tersebut, **Switch 2** menjadi **Root Bridge, Designated Bridge** dan berada pada keadaan **Forwarding**

Root Bridge : SW2

Designated Bridge : SW2

Root Port : SW0 dan SW1