

Nama : Ulin Nuha Trisiana

Nim : L200180190

Kelas : E

Praktikum Jaringan & Komputer Modul 6 Kegiatan 1

The image displays two screenshots of the Cisco Packet Tracer interface, showing a network topology and the configuration of a spanning tree protocol on a switch.

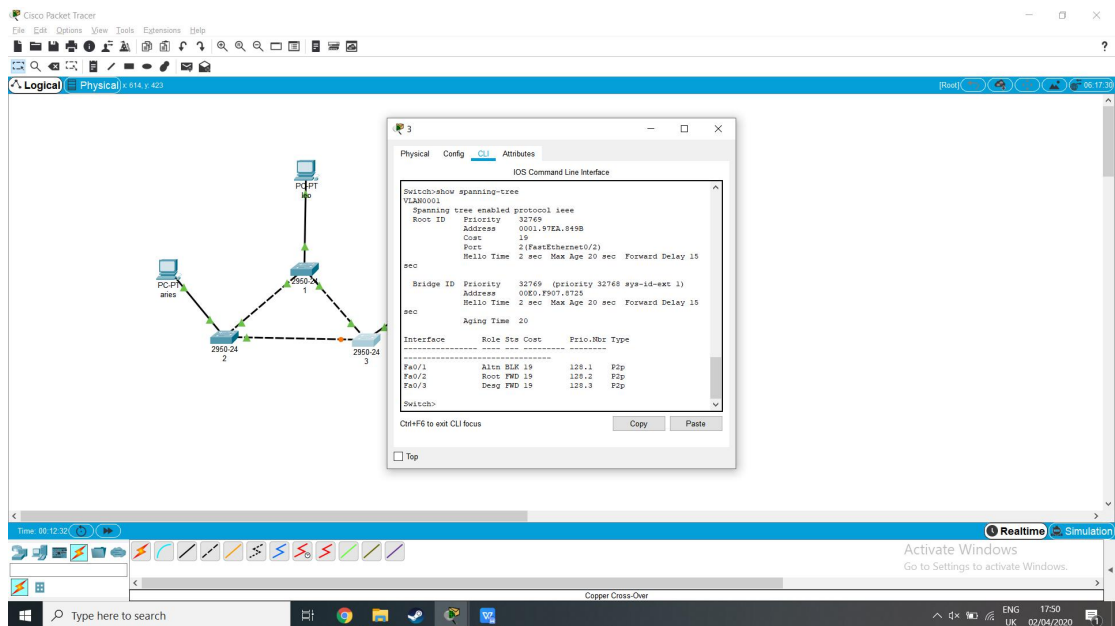
Network Topology: The network consists of three switches (2950-24) and two PCs. Switch 1 is connected to Switch 2 and Switch 3. Switch 2 is connected to Switch 3. Switch 1 is also connected to a PC. Switch 2 is connected to a PC. Switch 3 is connected to a PC.

Configuration 1 (Switch 1):

```
Switch>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.97EA.8498
             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     0001.97EA.8498
             Hello Time 2 sec Max Age 20 sec Forward Delay 15
             sec
             Aging Time 20
Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/20      Desg FWD 19      128.2   P2p
Fa0/21      Desg FWD 19      128.3   P2p
Fa0/22      Desg FWD 19      128.1   P2p
```

Configuration 2 (Switch 2):

```
Switch>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.97EA.8498
             Cost        19
             Port        1 (FastEthernet0/1)
             Hello Time 2 sec Max Age 20 sec Forward Delay 15
             sec
  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
             Address     0000.0000.0000
             Hello Time 2 sec Max Age 20 sec Forward Delay 15
             sec
             Aging Time 20
Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/20      Desg FWD 19      128.2   P2p
Fa0/21      Desg FWD 19      128.3   P2p
Fa0/22      Desg FWD 19      128.1   P2p
```



SW 1

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.97EA.849B
4	Bridge ID	-
5	Cost(0/1;0/2;0/3)	19;19;19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

SW 2

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.97EA.849B
4	Bridge ID	-
5	Cost(0/1;0/2;0/3)	19;19;19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

SW 3

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.97EA.849B
4	Bridge ID	-
5	Cost(0/1;0/2;0/3)	19;19;19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

SW 1

Fa0/1 = Designated

Fa0/2 = Designated

Fa0/3 = Designated

SW 2

Fa0/1 = Root

Fa0/2 = Designated

Fa0/3 = Designated

SW 3

Fa0/1 = Alternatif

Fa0/2 = Root

Fa0/3 = Designated

SW 1

Fa0/1 = Forward

Fa0/2 = Forward

Fa0/3 = Forward

SW 2

Fa0/1 = Forward

Fa0/2 = Forward

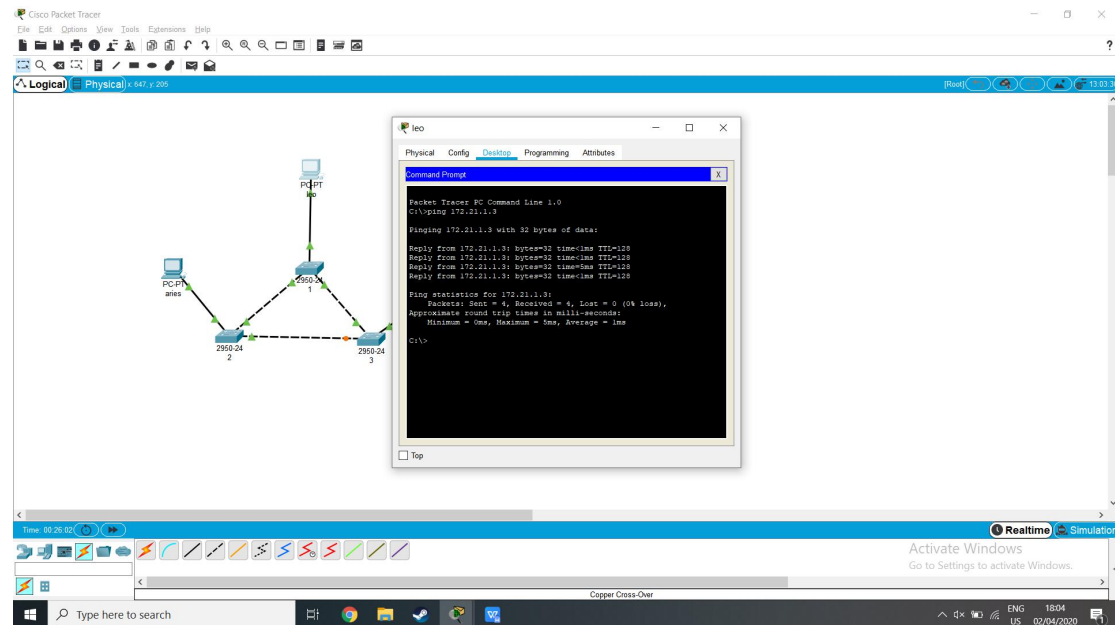
Fa0/3 = Forward

SW 3

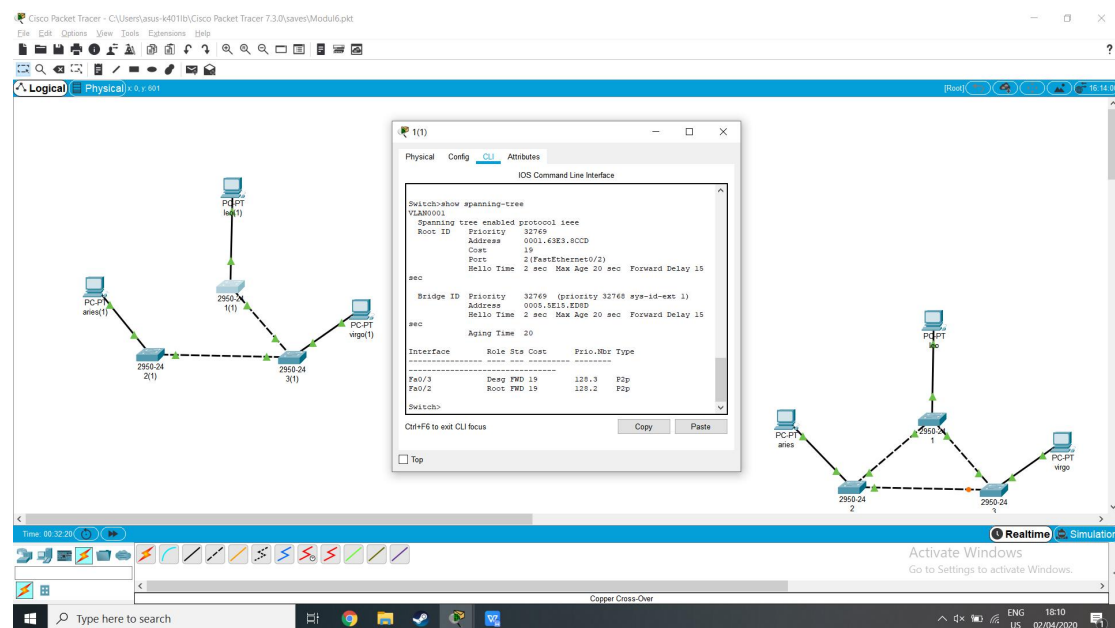
Fa0/1 = Block

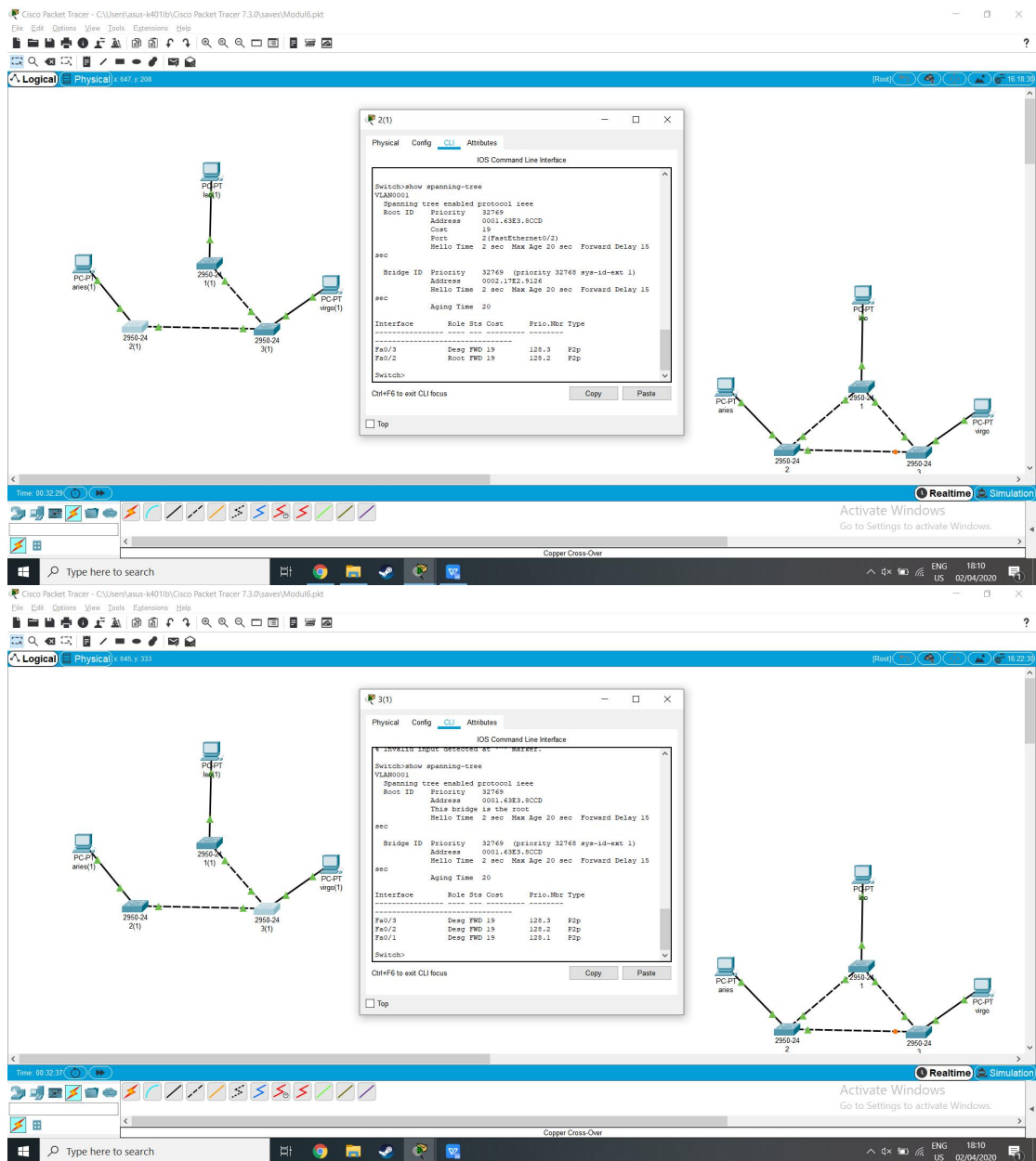
Fa0/2 = Forward

Fa0/3 = Forward



Kegiatan 2





SW 1

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.63E3.8CCD
4	Bridge ID	-
5	Cost(0/2;0/3)	19;19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

SW 2

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.63E3.8CCD
4	Bridge ID	-
5	Cost(0/2;0/3)	19;19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

SW 3

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.63E3.8CCD
4	Bridge ID	-
5	Cost(0/1;0/2;0/3)	19;19;19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

SW 1

Fa0/2 = Root

Fa0/3 = Designated

SW 2

Fa0/2 = Root

Fa0/3 = Designated

SW 3

Fa0/1 = Designated

Fa0/2 = Designated

Fa0/3 = Designated

SW 1

Fa0/2 = Forward

Fa0/3 = Forward

SW 2

Fa0/2 = Forward

Fa0/3 = Forward

SW 3

Fa0/1 = Forward

Fa0/2 = Forward

Fa0/3 = Forward