

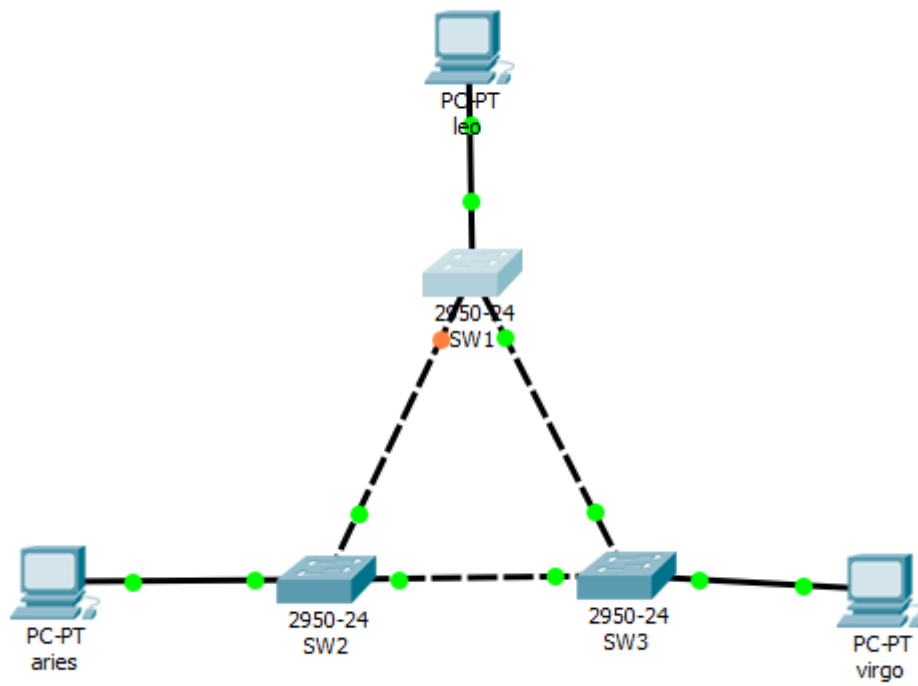
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Kelas : B

## MODUL 6 SPANING TREE PROTOCOL

### A. Kegiatan 1



- Melihat spanning tree pada masing server.

```
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.F2EA.128B
             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     0060.7007.E2A3
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

             Aging Time  20

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

Switch#
```

```
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.F2EA.128B
             Cost        19
             Port        2 (FastEthernet0/2)
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

  Bridge ID  Priority    32769  (priority 32768 sys-id-ext 1)
             Address     0040.0BC6.571A
             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                    Desg FWD 19        128.3    P2p
Fa0/2                    Root FWD 19        128.2    P2p

Switch#
```

```

Fa0/1      Desg FWD 19      128.1      P2p

Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.F2EA.128B
             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     0030.F2EA.128B
             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

Switch#

```

- Tabel status STP pada masing-masing Switch :

SW1

No	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Adress	0030.F2EA.128B
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

SW2

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Adress	0030.F2EA.128B
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

### SW3

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0030.F2EA.128B
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	-
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

- Hasil ping dari leo ke virgo

```

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

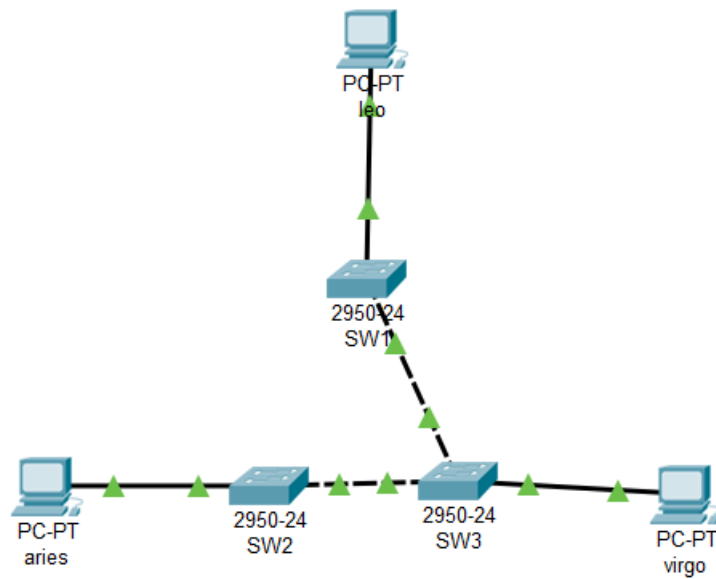
Reply from 172.21.1.3: bytes=32 time=11ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 11ms, Average = 3ms

C:\>

```

## B. Kegiatan 2



- Melihat masing2 server

SW 1

```
Fa0/3      Root FWD 19      128.3      P2p
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address      0001.971D.410A
            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      0050.0F3B.3983
            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
Switch#
```

## SW 2

```

Spanning tree enabled protocol ieee
Root ID    Priority    32769
           Address     0001.971D.410A
           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     0004.9A30.3AEC
           Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

           Aging Time  20

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

Switch#show sapnning-tree
^
% Invalid input detected at '^' marker.

Switch#

```

## SW 3

```

Fa0/3          Desg FWD 19          128.3   P2p

Switch#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID    Priority    32769
           Address     0001.971D.410A
           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     0001.971D.410A
           Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

           Aging Time  20

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

Switch#

```

- Tabel status STP pada masing-masing Switch :

#### SW 1

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.971D.410A
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

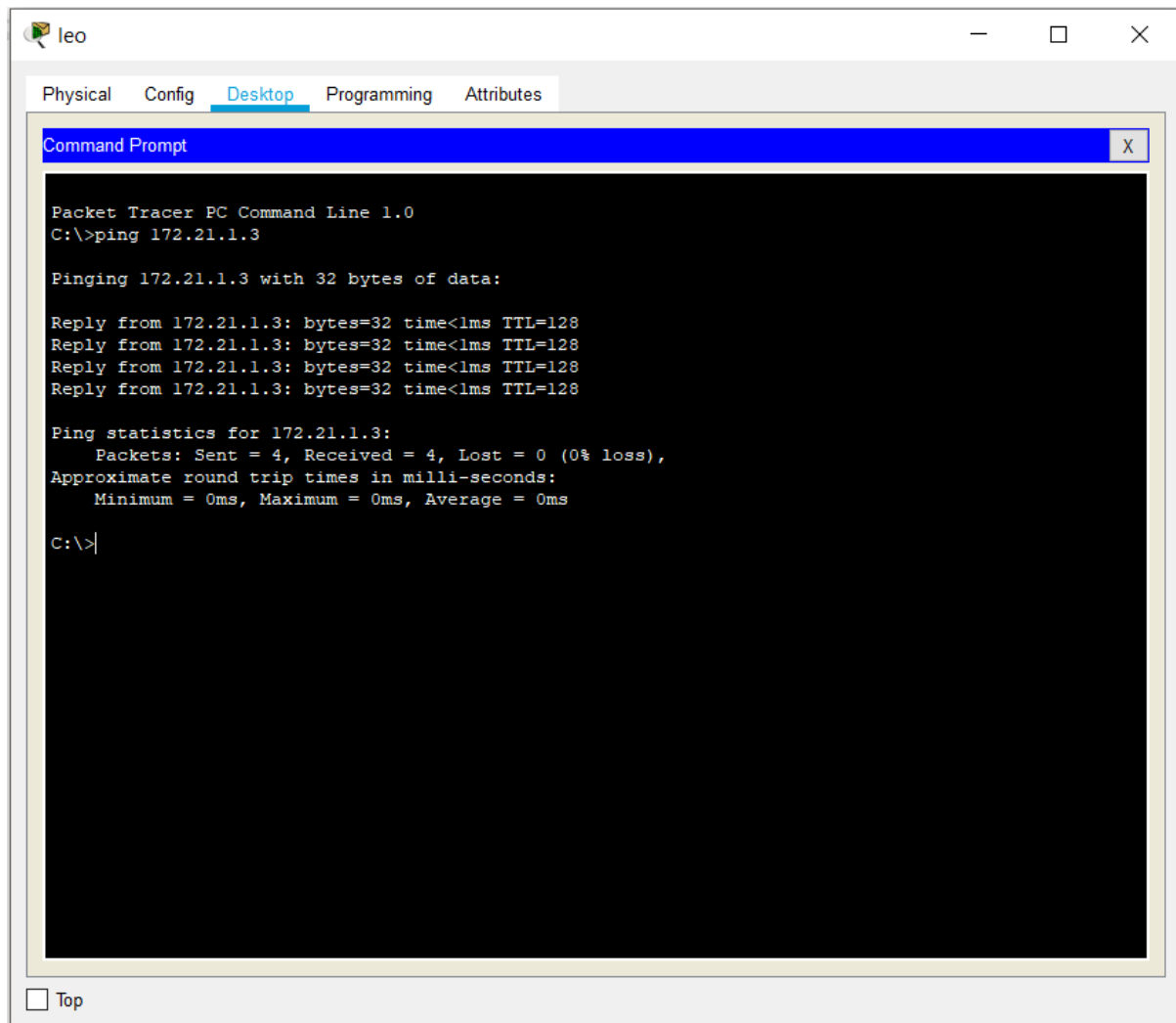
#### SW 2

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.971D.410A
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

#### SW 3

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.971D.410A
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	-
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

- Hasil ping dari leo ke virgo



leo

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time<lms TTL=128
Reply from 172.21.1.3: bytes=32 time<lms TTL=128
Reply from 172.21.1.3: bytes=32 time<lms TTL=128
Reply from 172.21.1.3: bytes=32 time<lms TTL=128

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>|
```

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