

NAMA : BAITY JANNATIKA

NIM : L200180211

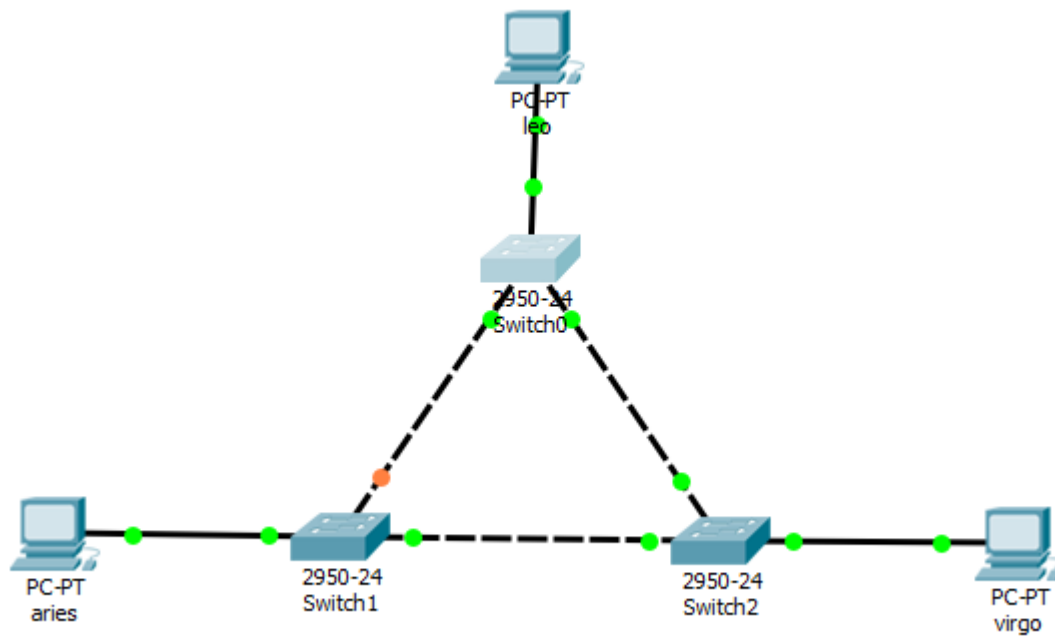
KELAS : E / PRAKTIKUM JARINGAN KOMPUTER

MODUL 6

SPANNING TREE PROTOCOL

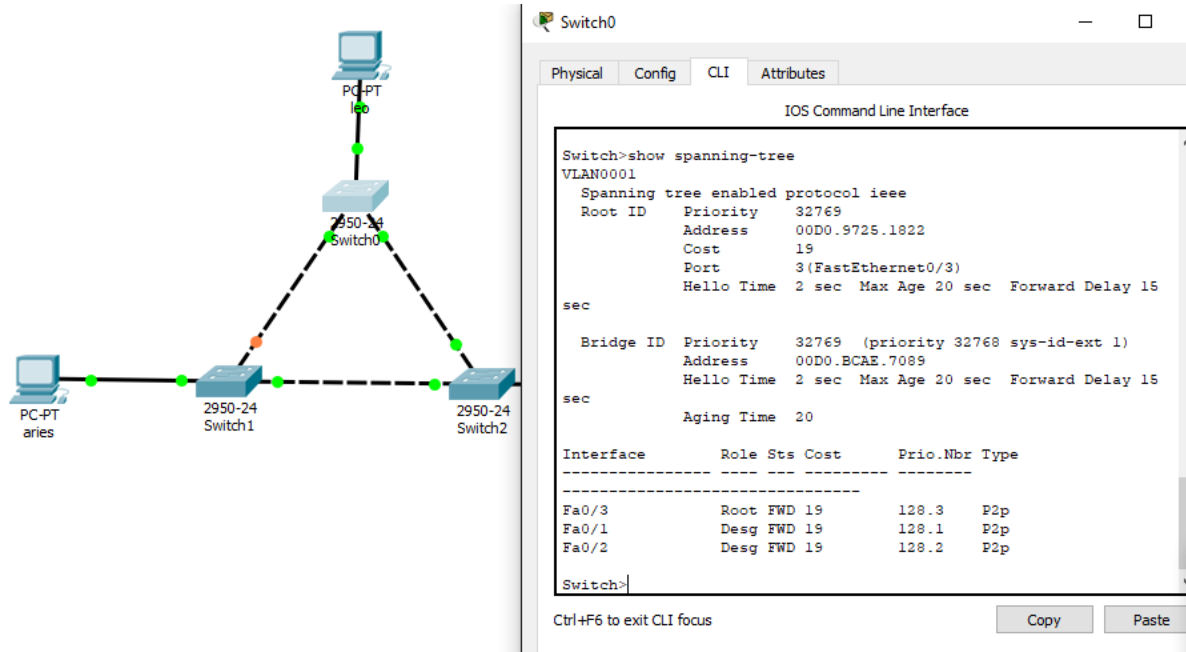
KEGIATAN 1. TOPOLOGI 1

Tugas 1A & 2A

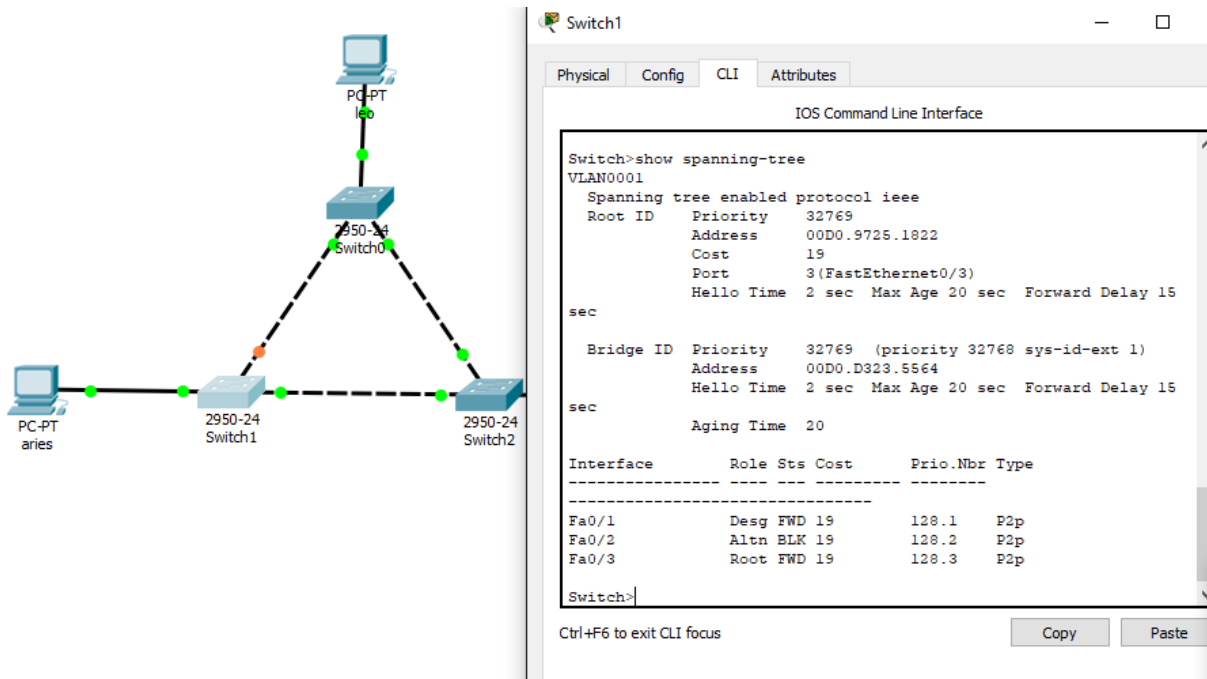


Tugas 4A

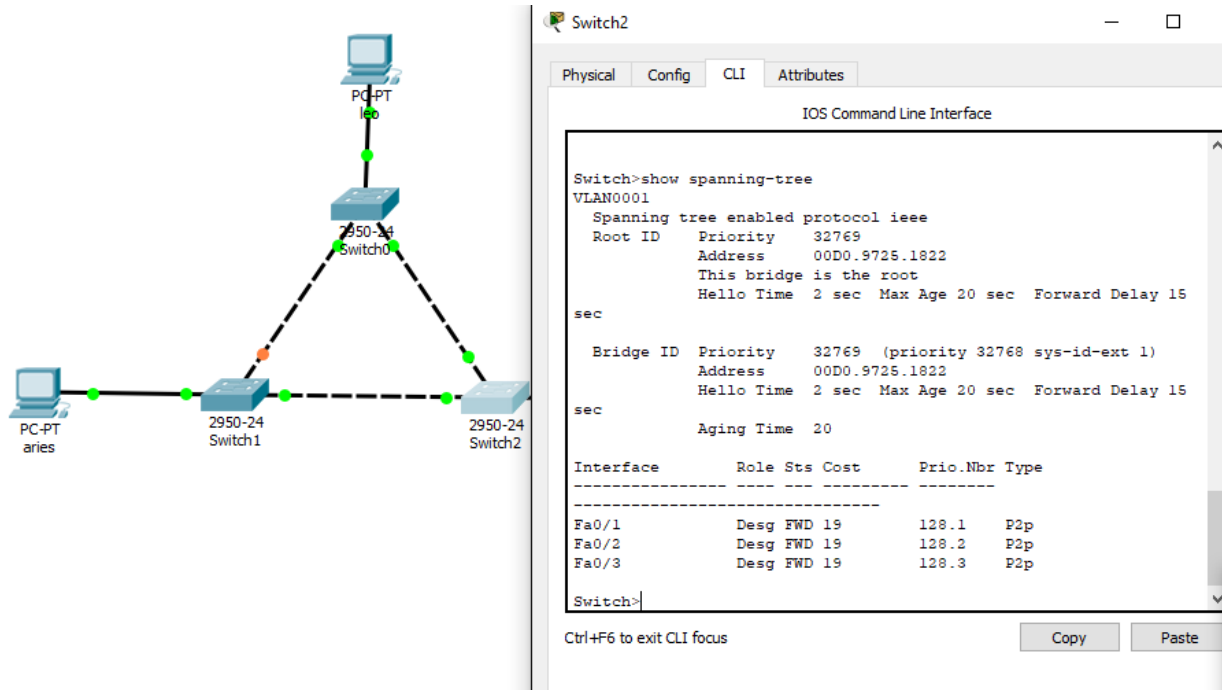
SW1 (Switch0)



SW2(Switch1)



SW3 (Switch2)



Tugas 4B

SW1 (Switch0)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
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

SW2 (Switch1)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
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

SW3(Switch2)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
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

Tugas 4C

SW1

- Fa0/1 : Designated
- Fa0/2 : Designated
- Fa0/3 : Root

SW2

- Fa0/1 : Designated
- Fa0/2 : Alternated
- Fa0/3 : Root

SW3

- Fa0/1 : Designated
- Fa0/2 : Designated
- Fa0/3 : Designated

Tugas 4D

SW1

- Fa0/1 : Forwarding
- Fa0/2 : Forwarding
- Fa0/3 : Forwarding

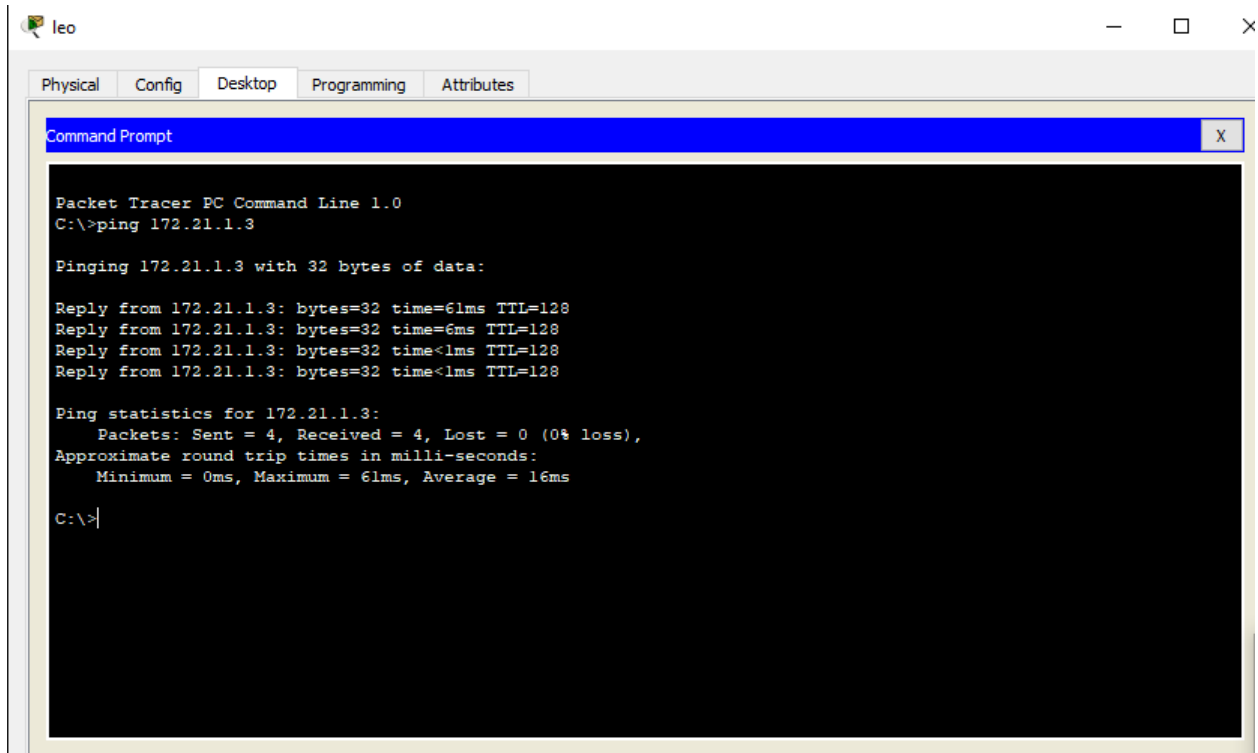
SW2

- Fa0/1 : Forwarding
- Fa0/2 : Blocking
- Fa0/3 : Forwarding

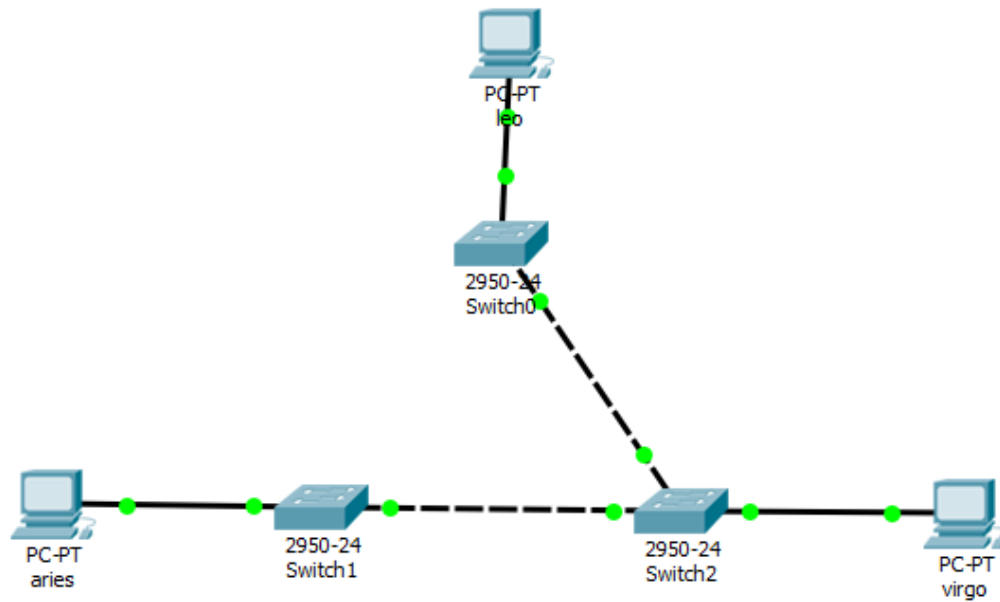
SW3

- Fa0/1 : Forwarding
- Fa0/2 : Forwarding
- Fa0/3 : Forwarding

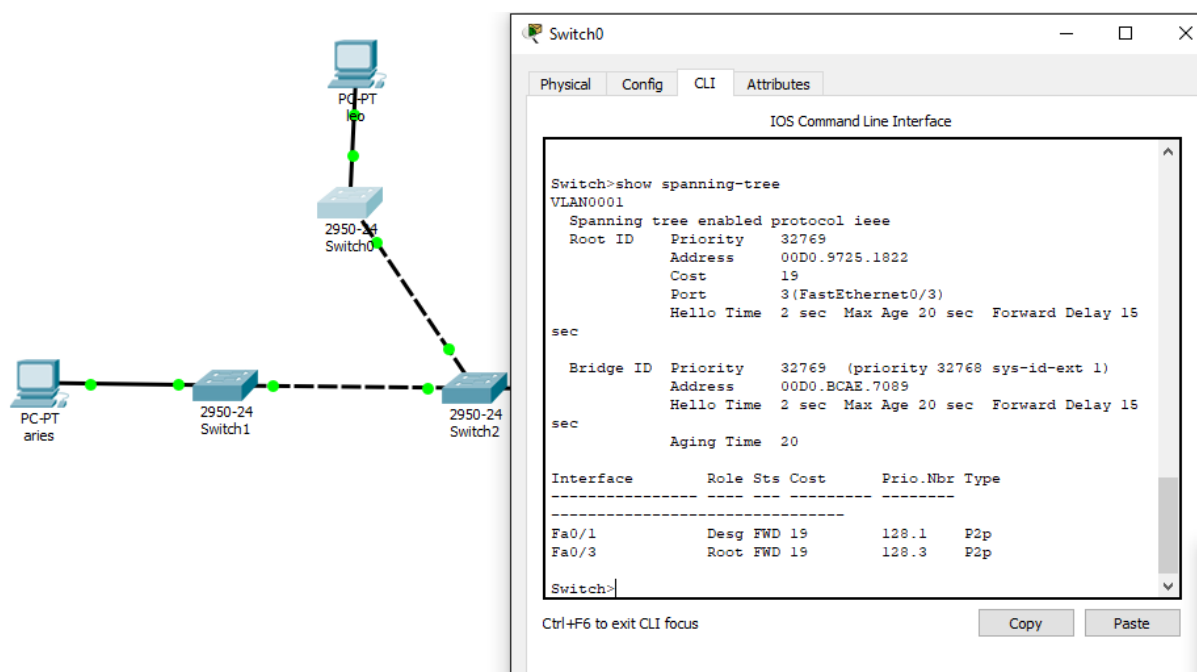
Ping PC Leo ke PC Virgo



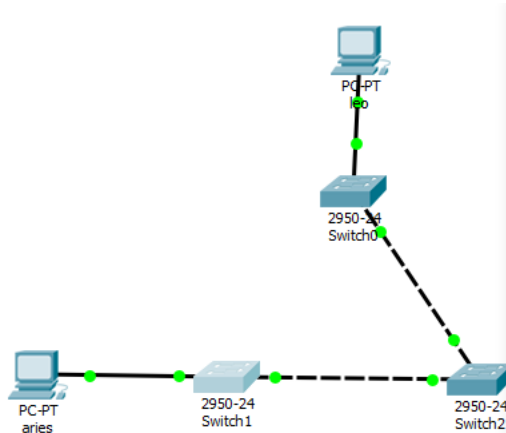
KEGIATAN 2. TOPOLOGI 2



SW1 (Switch0)



SW2 (Switch1)



Switch1

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     00D0.9725.1822
            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     00D0.D323.5564
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
            Aging Time  20

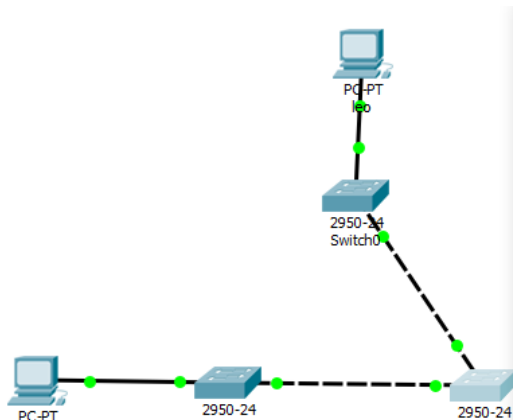
Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/1        Desg FWD 19        128.1    P2p
Fa0/3        Root FWD 19        128.3    P2p

Switch>
Switch>
```

Ctrl+F6 to exit CLI focus

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SW3 (Switch2)



Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     00D0.9725.1822
            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     00D0.9725.1822
            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
Fa0/2        Desg FWD 19        128.2    P2p
Fa0/3        Desg FWD 19        128.3    P2p

Switch>
Switch>
```

Ctrl+F6 to exit CLI focus

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SW1 (Switch0)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
4	Bridge ID	-
5	Cost (0/1;0/3)	19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW2 (Switch1)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
4	Bridge ID	-
5	Cost (0/1;0/3)	19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW3(Switch2)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
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

SW1

- Fa0/1 : Designated
- Fa0/3 : Root

SW2

- Fa0/1 : Designated
- Fa0/3 : Root

SW3

- Fa0/1 : Designated
- Fa0/2 : Designated
- Fa0/3 : Designated

SW1

- Fa0/1 : Forwarding
- Fa0/3 : Forwarding

SW2

- Fa0/1 : Forwarding
- Fa0/3 : Forwarding

SW3

- Fa0/1 : Forwarding
- Fa0/2 : Forwarding
- Fa0/3 : Forwarding

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