LAPORAN PRAKTIKUM JARINGAN KOMPUTER
MODUL VI
“SPANNING TREE PROTOCOL

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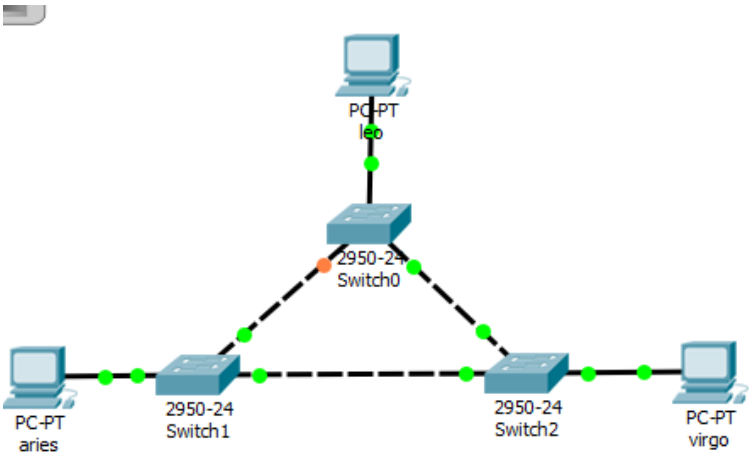
NIM : L200170144
KELAS : D

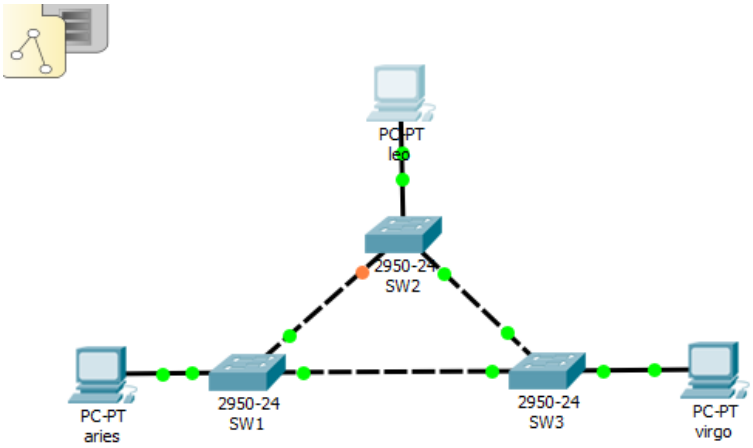
KEGIATAN PRAKTIKUM

Kegiatan 1. Topologi 1

Membuat topologi menggunakan switch Catalyst 2950

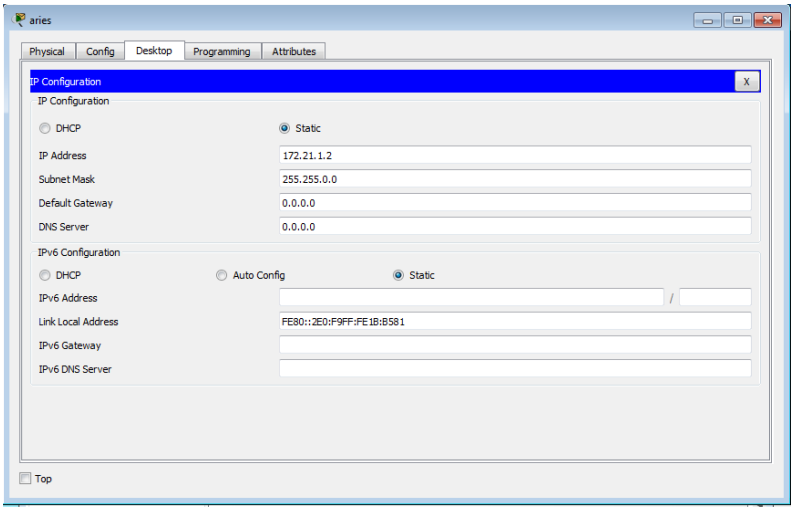


Memberi nama masing-masing switch dengan SW1, SW2, dan SW3

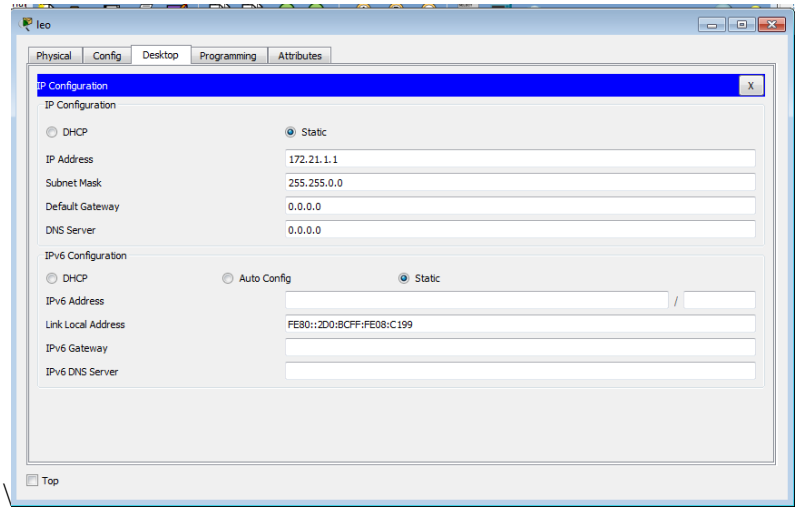


Konfigurasi masing-masing PC dengan alamat IP

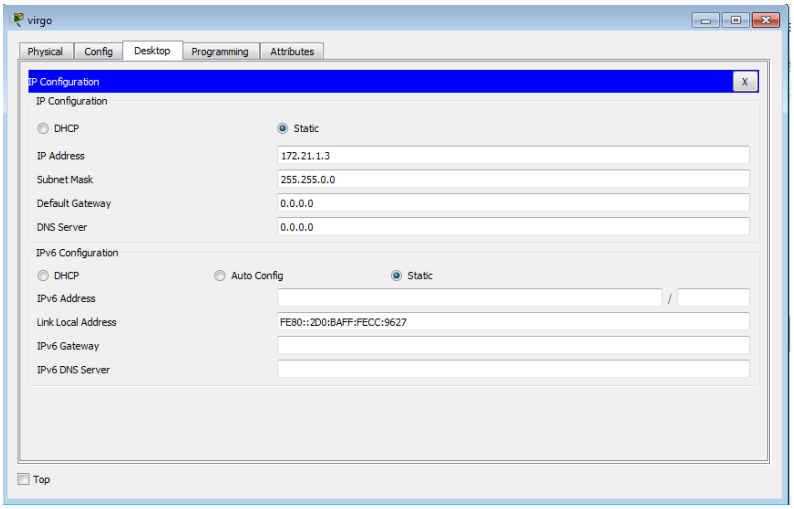
- Aries = 172.21.1.2



- Leo = 172.21.1.1



- Virgo = 172.21.1.3



Melihat status STP pada masing-masing switch

>>**SW2**

```
1005 trnet-default                  active
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.C906.669A
             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     0060.5C3D.C162
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
             Aging Time  20

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

Switch#
```

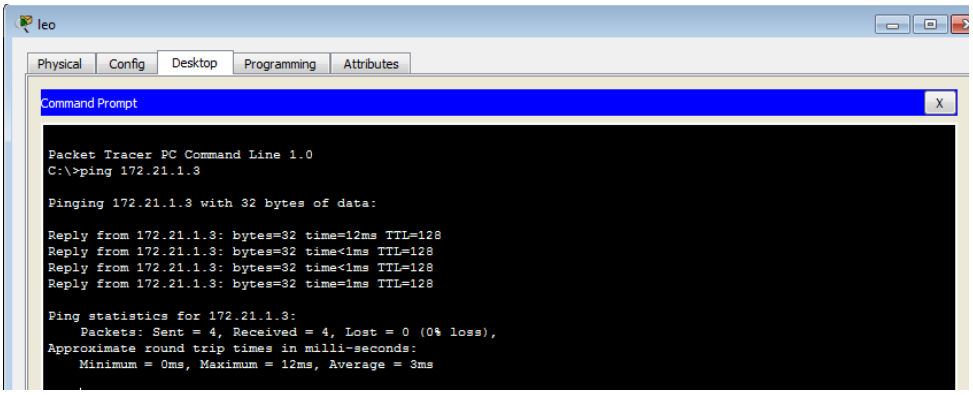
>> **SW1**

```
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.C906.669A
             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     000B.BED7.39AE
             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            Root FWD 19        128.2    P2p
Fa0/3            Desg FWD 19        128.3    P2p
```

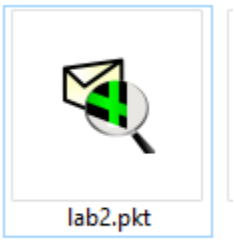
>> **SW3**

```
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.C906.669A
             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.C906.669A
             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
```

Melakukan ping dari PC Leo ke PC Virgo

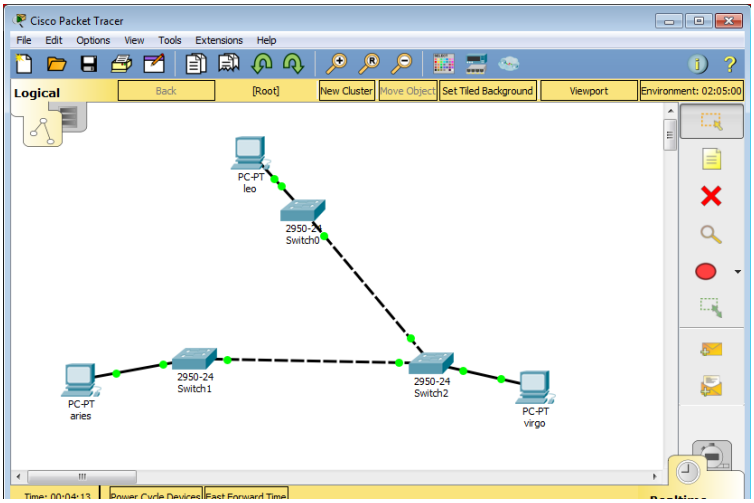


Menyimpan konfigurasi jaringan dengan nama lab2.pkt



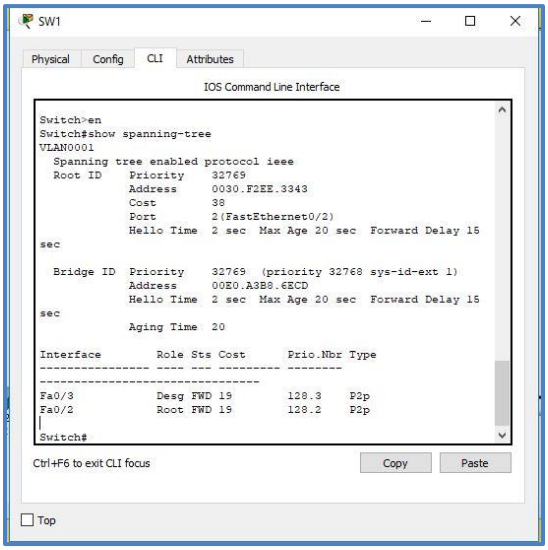
Kegiatan 2. Topologi 2

Membuat topologi menjadi seperti berikut

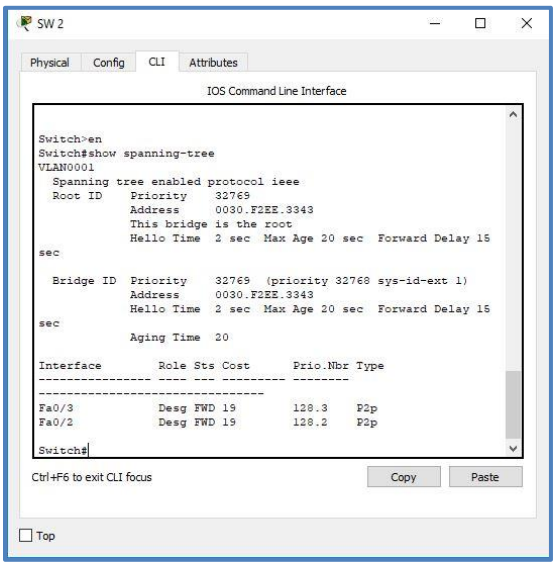


Melihat status STP pada masing-masing switch.

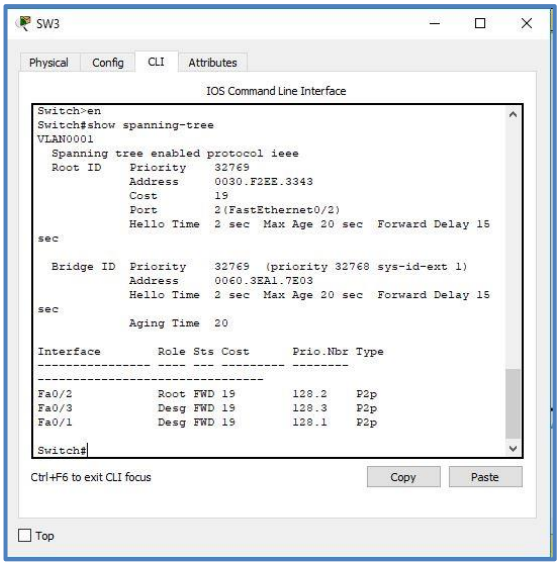
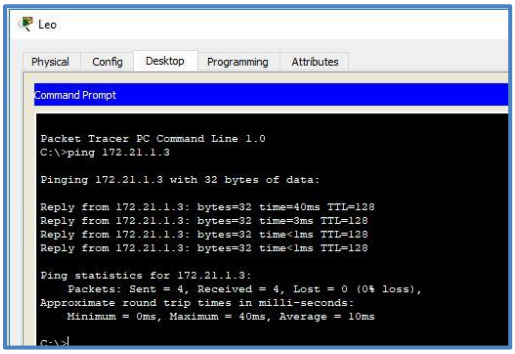
>>SW1



>>SW2



>>SW3



Melakukan ping dari PC Leo ke PC Virgo