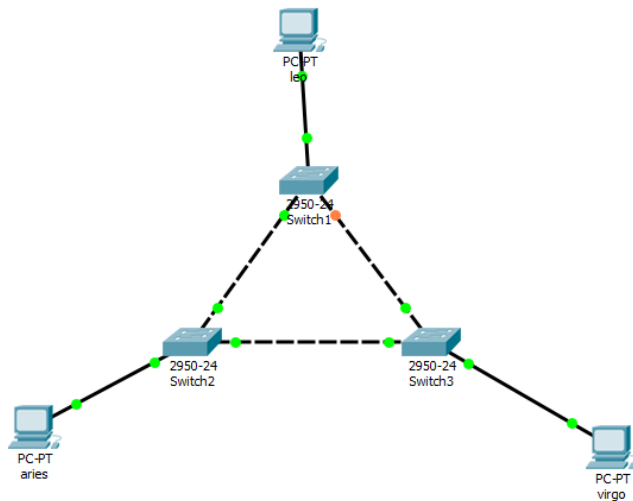


NAMA : NOVI TRISTANTI

NIM : L200170167

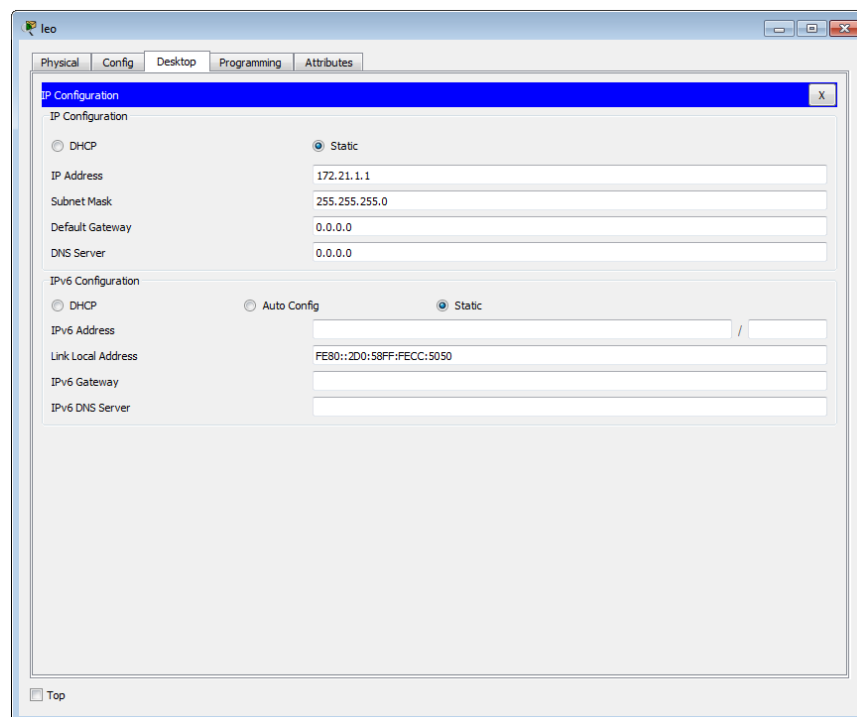
KELAS : D

1. topologi



2. konfigurasi masing-masing pc dengan alamat ip

a. LEO = 172.21.1.1



b. ARIES = 172.21.1.2

The screenshot shows the 'aries' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing the following settings:

Field	Value
IP Configuration	<input checked="" type="radio"/> DHCP <input checked="" type="radio"/> Static
IP Address	172.21.1.2
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

The 'IPv6 Configuration' section is also visible, showing the following settings:

Field	Value
IPv6 Configuration	<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::202:17FF:FEDC:C312
IPv6 Gateway	
IPv6 DNS Server	

At the bottom left, there is a 'Top' button.

c. VIRGO = 172.21.1.3

The screenshot shows the 'virgo' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing the following settings:

Field	Value
IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
IP Address	172.21.1.3
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

The 'IPv6 Configuration' section is also visible, showing the following settings:

Field	Value
IPv6 Configuration	<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::201:42FF:FE5A:90BA
IPv6 Gateway	
IPv6 DNS Server	

At the bottom left, there is a 'Top' button.

3. Pada mode user atau mode privileged, lihat status stp pada masing-masing switch. Langkah pengoperasian:

- Tekan enter
- Masuk pada mode privileged
- Ketik show spanning-tree

```
Switch>enable
Switch#show vlns brief
^
% Invalid input detected at '^' marker.

Switch#show vlan brief

VLAN Name                Status    Ports
----
1    default              active    Fa0/1, Fa0/2,
Fa0/3, Fa0/4              Fa0/5, Fa0/6,
Fa0/7, Fa0/8              Fa0/9, Fa0/10,
Fa0/11, Fa0/12            Fa0/13, Fa0/14,
Fa0/15, Fa0/16            Fa0/17, Fa0/18,
Fa0/19, Fa0/20            Fa0/21, Fa0/22,
Fa0/23, Fa0/24
1002 fddi-default        active
1003 token-ring-default  active
1004 fddinet-default     active
1005 trnet-default       active

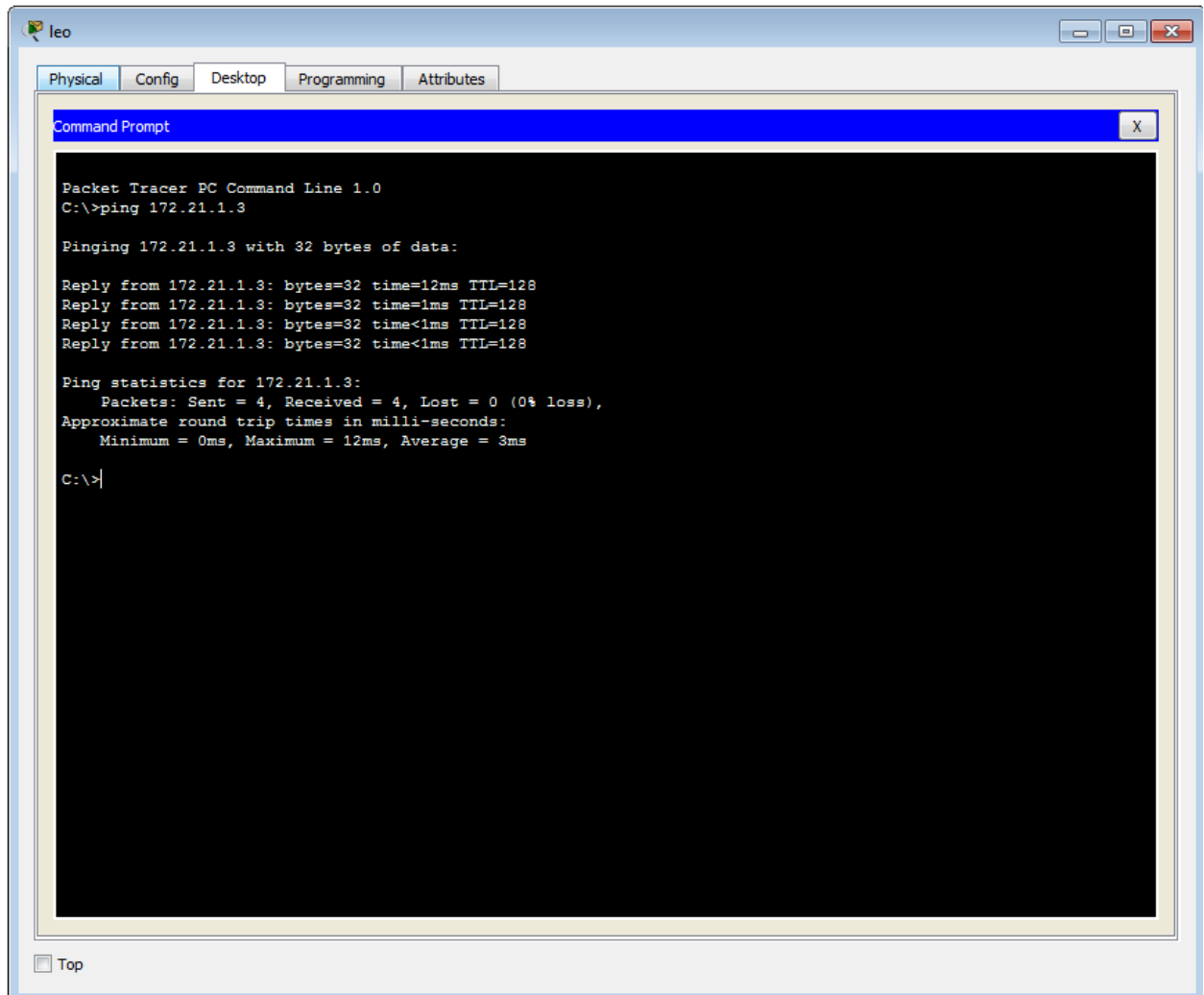
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address      0000.0C99.AEB7
              Cost        19
              Port        2(FastEthernet0/2)
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

    Bridge ID   Priority    32769 (priority 32768 sys-id-ext 1)
              Address      00E0.F957.B589
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

              Aging Time  20

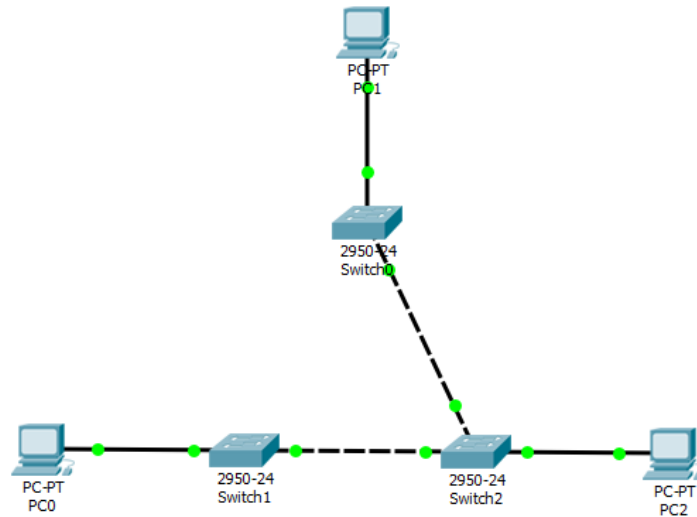
Interface      Role Sts Cost      Prio.Nbr Type
-----
Fa0/1          Desg FWD 19        128.1    P2p
Fa0/2          Root FWD 19        128.2    P2p
Fa0/3          Altn BLK 19        128.3    P2p
```

4. PC Leo lakukan ping ke PC Virgo



KEGIATAN 2

1. Topologi



2. Switch 0

```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.F2EE.3343
             Cost        38
             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     00E0.A3B8.6ECD
             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          Root FWD 19        128.2    P2p
```

3. Switch 1

```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address     0030.F2EE.3343
              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.F2EE.3343
              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
```

4. Switch 2

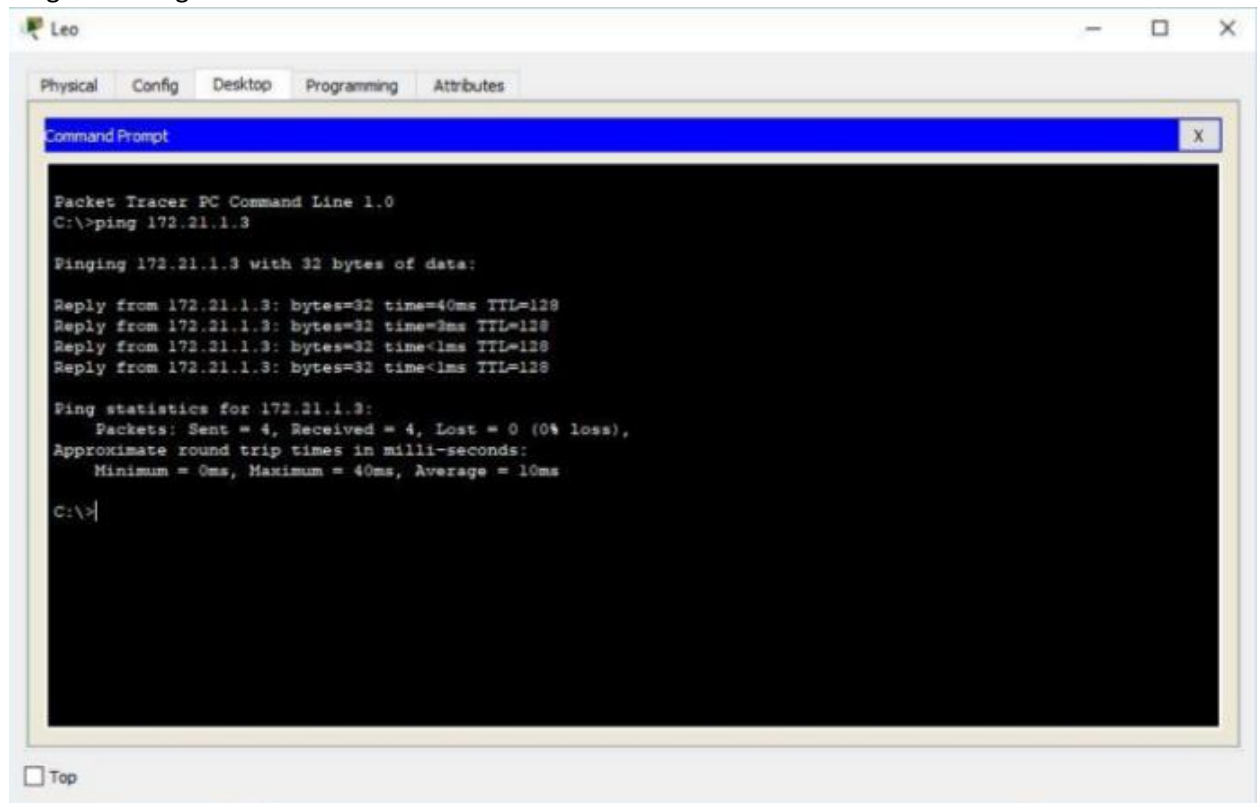
```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address     0030.F2EE.3343
              Cost         19
              Port         2(FastEthernet0/2)
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

    Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
              Address     0060.3EA1.7E03
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

              Aging Time  20

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

5. Ping leo ke virgo



The screenshot shows a Packet Tracer PC Command Line window for a device named 'Leo'. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Command Prompt window is open, displaying the output of a ping command to 172.21.1.3. The output shows four successful replies with varying times and TTL values. Ping statistics indicate 0% loss and an average round trip time of 10ms.

```
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=40ms TTL=128
Reply from 172.21.1.3: bytes=32 time=3ms 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 = 40ms, Average = 10ms

C:\>
```

☐ Top