

MODUL 6 PRAKTIKUM JARINGAN KOMPUTER

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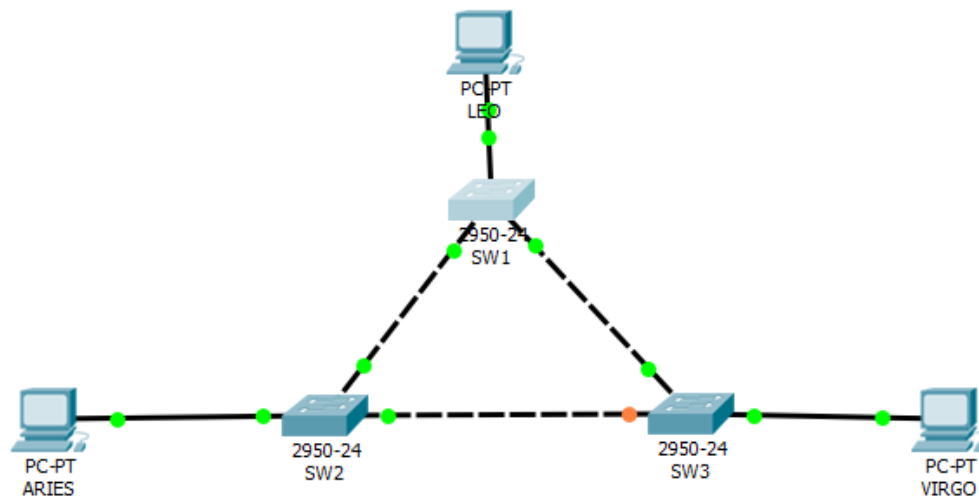
NIM : L200170148

Kelas : D

Modul : 6

Kegiatan Praktikum 1 Topologi 1

Membuat topologi menggunakan switch Catalyst 2950.



Memberi nama Switch dengan SW1, SW2, dan SW3 dan konfigurasi masing-masing PC dengan alamat IP sebagai berikut:

- Leo : 172.21.1.1/24
- Aries : 172.21.1.2/24
- Virgo : 172.21.1.3/24

LEO

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.1.1

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:D3FF:FEDC:19D5

IPv6 Gateway

IPv6 DNS Server

ARIES

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ 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

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::202:17FF:FE58:AAB5

IPv6 Gateway

IPv6 DNS Server

The screenshot shows the VIRGO network simulator window with the 'Config' tab selected. The 'IP Configuration' section is active, showing settings for a static IP address: 172.21.1.3, subnet mask 255.255.255.0, default gateway 0.0.0.0, and DNS server 0.0.0.0. The 'IPv6 Configuration' section is also visible, showing settings for a static IPv6 address, link local address FE80::201:64FF:FE15:274C, and other parameters.

IP Configuration

☐ DHCP ☒ 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

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:64FF:FE15:274C

IPv6 Gateway:

IPv6 DNS Server:

Lihat status STP pada masing-masing switch di mode user atau mode privileged.

The screenshot shows the SW1 network simulator window with the 'CLI' tab selected. The 'IOS Command Line Interface' is displayed, showing the output of the 'show spanning-tree' command. The output indicates that the spanning tree protocol is enabled on VLAN0001, with the root bridge being the current bridge (0000.0CC6.2263). The output also shows the role, status, cost, priority, and number of ports for each interface.

```
Switch>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0000.0CC6.2263
             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     0000.0CC6.2263
             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
Fa0/3        Desg FWD 19        128.3    P2p
Fa0/1        Desg FWD 19        128.1    P2p

Switch>
```

SW2

PhysicalConfigCLIAttributes

IOS Command Line Interface

Switch>show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

Root ID Priority 32769

Address 0000.0CC6.2263

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 0003.E401.0D06

Hello Time 2 sec Max Age 20 sec Forward Delay 15

sec

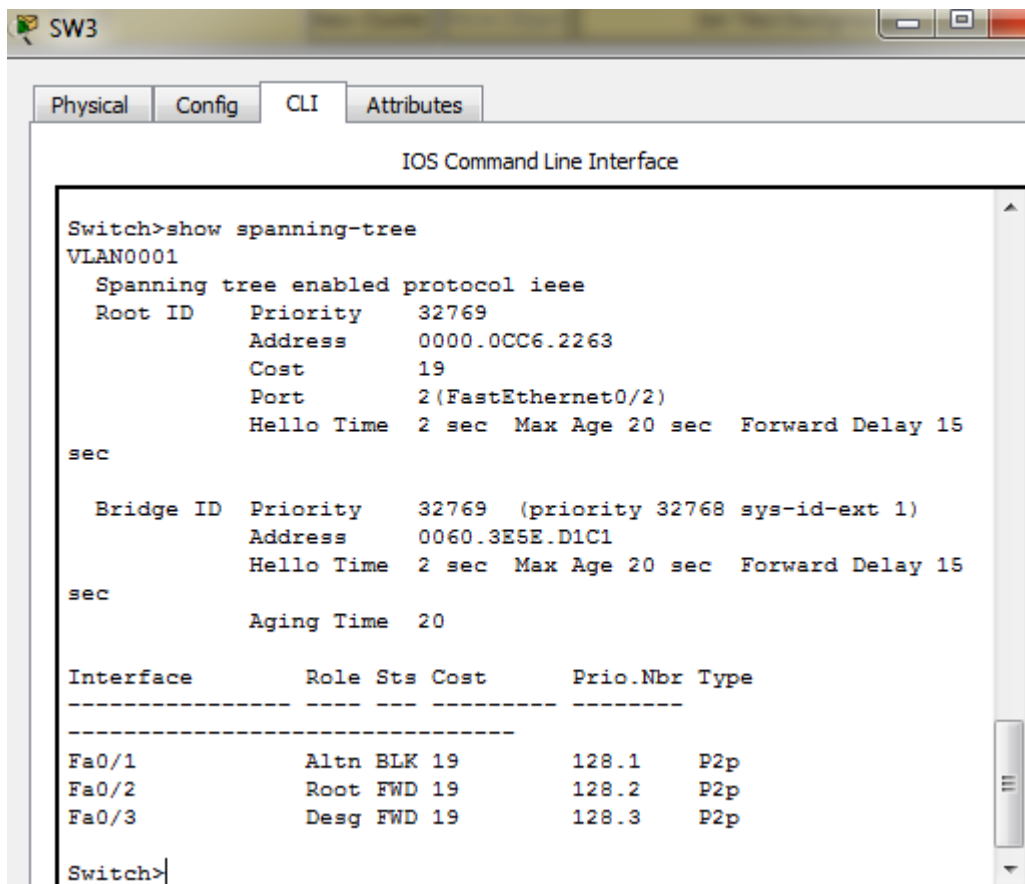
Aging Time 20

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

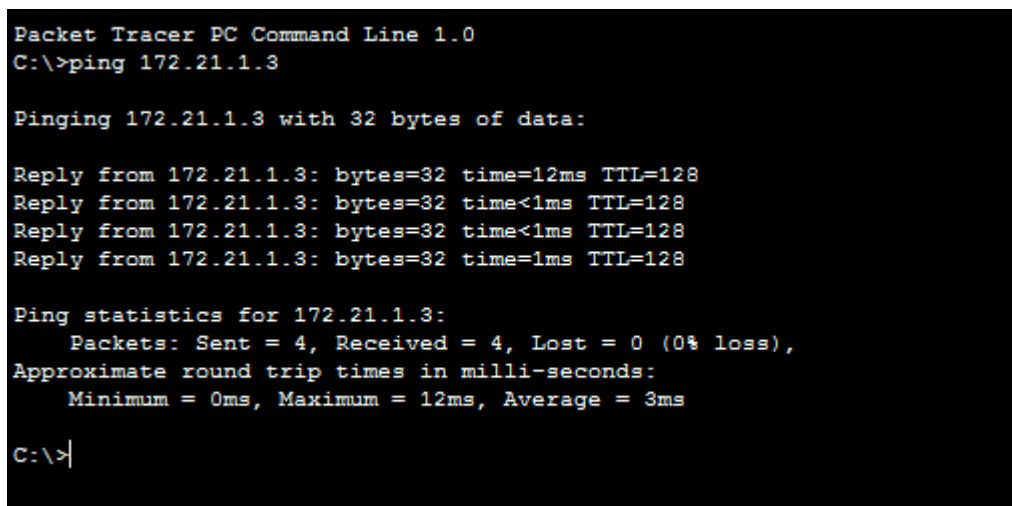
Switch>

Ctrl+F6 to exit CLI focus

CopyPaste



Ping PC Leo ke PC Virgo



Kegiatan 2. Topologi 2

