

Nama : IVAN AMAR F

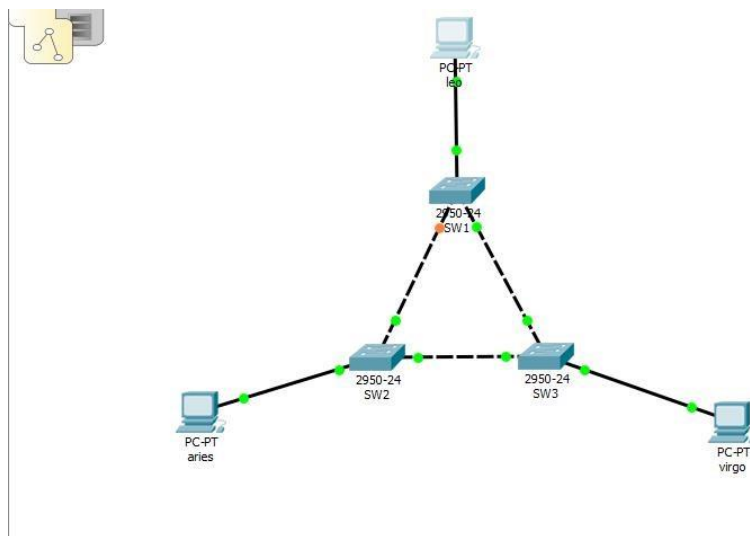
NIM : L200170040

Kelas : A

## Modul : 6

### Kegiatan 1

#### 1. Topologi



## 2. Konfigurasi alamat IP

- Leo

The screenshot shows the 'leo' configuration window with the 'Config' tab selected. The 'IP Configuration' dialog is open, showing the following settings:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IP Address	172.21.1.1
Subnet Mask	255.255.0.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration		
<input type="radio"/> DHCP	<input type="radio"/> Auto Config	<input checked="" type="radio"/> Static
IPv6 Address		
Link Local Address	FE80::202:4AFF:FE3C:445D	
IPv6 Gateway		
IPv6 DNS Server		

- Aries

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

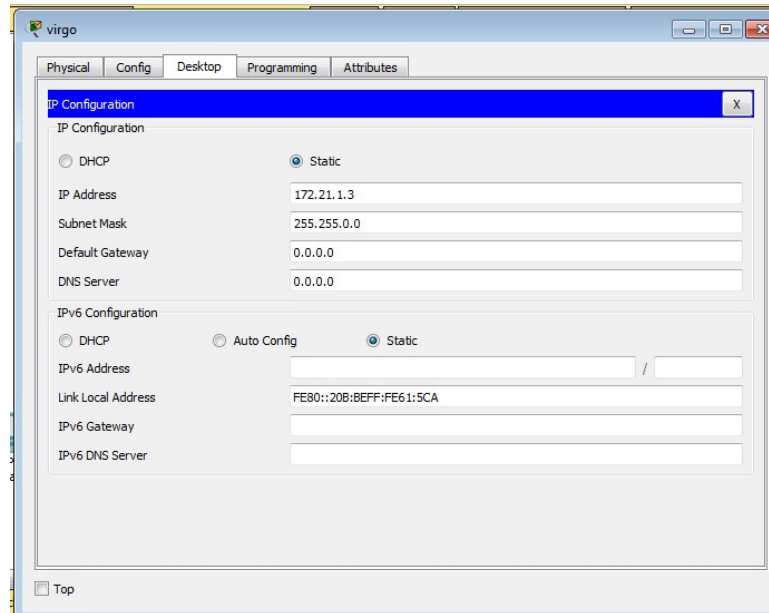
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IP Address	172.21.1.2
Subnet Mask	255.255.0.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration		
<input type="radio"/> DHCP	<input type="radio"/> Auto Config	<input checked="" type="radio"/> Static
IPv6 Address		
Link Local Address	FE80::201:63FF:FE23:E34D	
IPv6 Gateway		
IPv6 DNS Server		

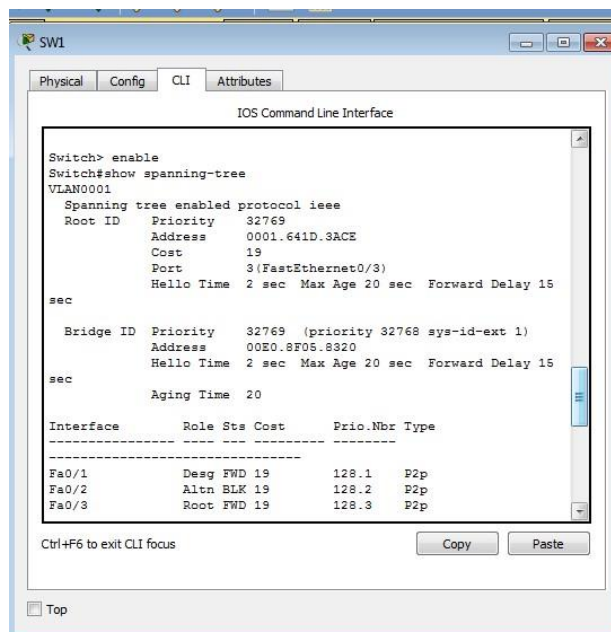
☐ Top

- Virgo

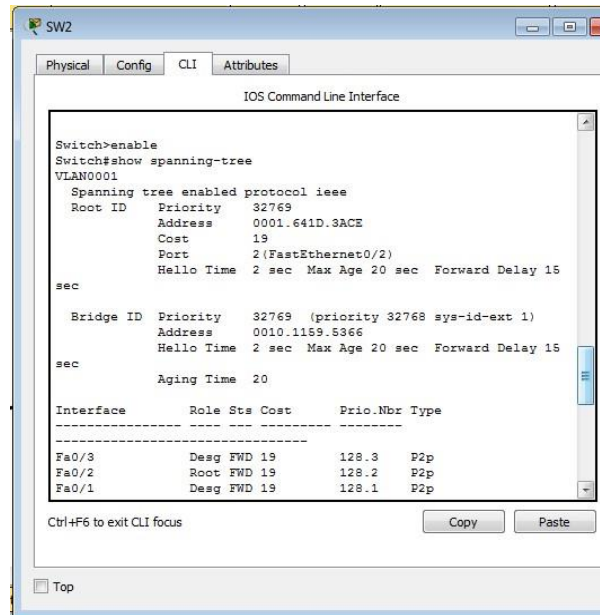


### 3. Show spanning-tree pada masing-masing switch

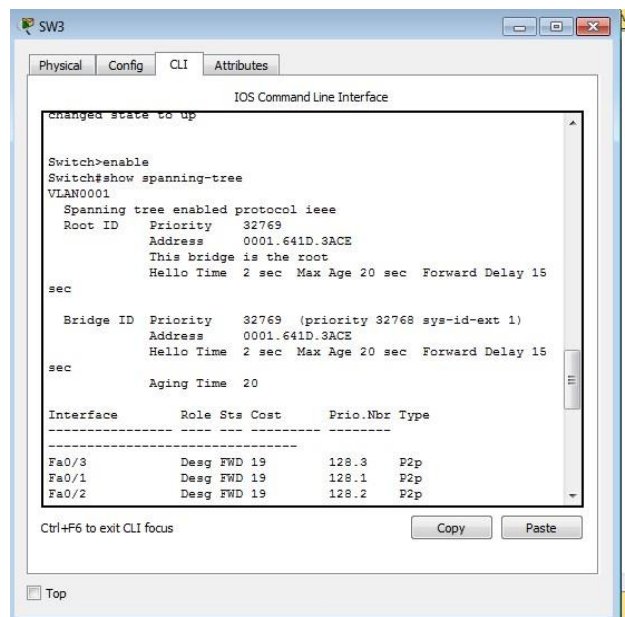
- SW1



- SW2



- SW3



Tabel SW1

No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 00E0.8F05.8320
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

Tabel SW2

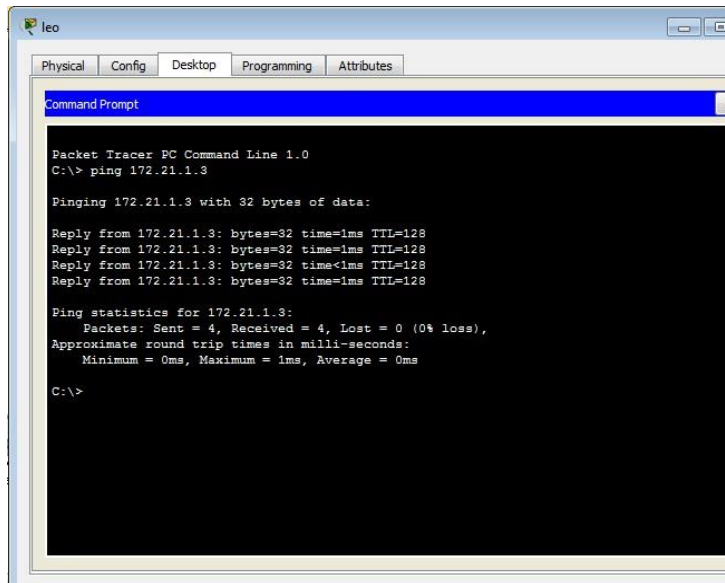
No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 0010.1159.5366
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

Tabel SW3

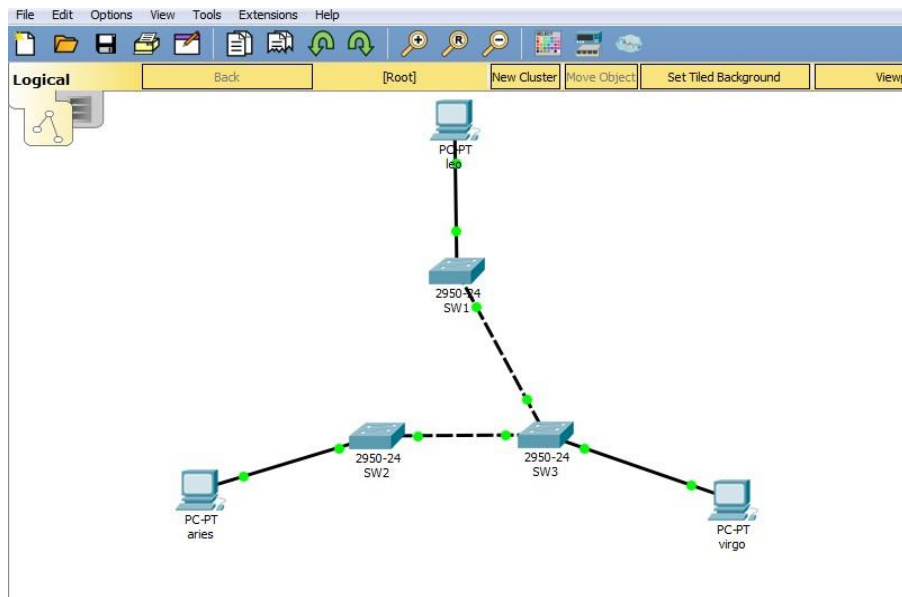
No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 001.641D.3ACE
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

- Root bridge : SW3
- Designated bridge : SW1
- Root port : SW2
- Designated port : - □ Port kondisi forwarding
  - SW1 : Fa 0/1, Fa 0/3
  - SW2 : Fa 0/1, Fa 0/2, Fa 0/3
  - SW3 : Fa 0/1, Fa 0/2, Fa 0/3
- Port kondisi blocking : SW1 Fa 0/2

#### 4. Ping dari PC Leo ke PC Virgo



#### Kegitan 2.



#### 2. Show spanning tree pada masing-masing switch

- SW1

SW1

Physical Config CLI Attributes

IOS Command Line Interface

```

Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0001.641D.3ACE
            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    00E0.8F05.8320
            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#
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

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- SW2

SW2

Physical Config CLI Attributes

IOS Command Line Interface

```

Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0001.641D.3ACE
            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    0010.1159.5366
            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
Switch#
  
```

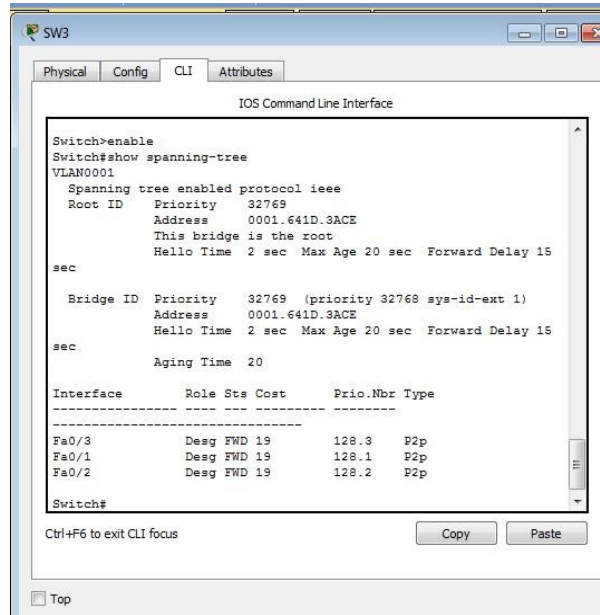
Ctrl+F6 to exit CLI focus

Copy Paste

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- SW3





Tabel SW1

No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 00E0.8F05.8320
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

Tabel SW2

No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 0010.1159.5366
5.	Cost (0/1; 0/2; 0/3)	0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

Tabel SW3

No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 001.641D.3ACE
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

- Root bridge : SW3
- Designated bridge : - □ Root port : SW1, SW2
- Designated port : -
- Port kondisi forwarding
  - SW1 : Fa 0/1, Fa 0/3

- SW2 : Fa 0/2, Fa 0/3
- SW3 : Fa 0/1, Fa 0/2, Fa 0/3
- Port kondisi blocking : -