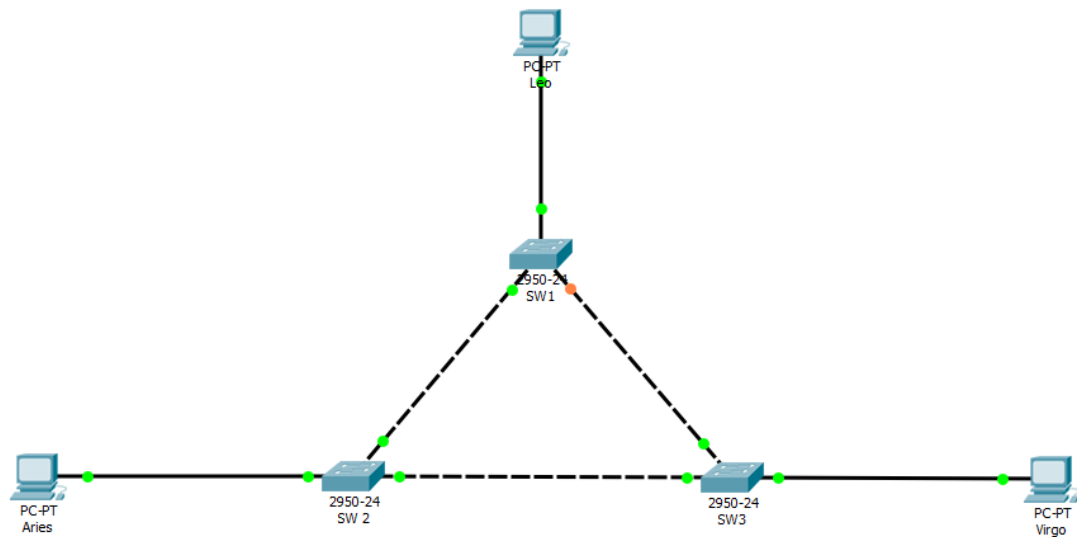


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LAPORAN PRAKTIKUM JARKOM MODUL VI (SPANNING TREE PROTOCOL)

Kegiatan1.Topologi 1

1. Membuat topologi dengan packet tracer,dan beri nama masing-masing switch dengan SW 1, SW 2, SW 3 seperti gambar dibawah ini.



2. Konfigurasi masing-masing PC dengan alamat IP :

a. Leo = 172.21.1.1/24

The screenshot shows the 'Leo' network configuration window. The 'Config' tab is selected. Under 'IP Configuration', the 'Static' radio button is chosen. The IP Address is 172.21.1.1, Subnet Mask is 255.255.255.0, Default Gateway is 0.0.0.0, and DNS Server is 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is chosen. The IPv6 Address field is empty, Link Local Address is FE80::290:CFF:FE85:403D, and the IPv6 Gateway and DNS Server fields are empty.

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> 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		
<input type="radio"/> DHCP	<input type="radio"/> Auto Config	<input checked="" type="radio"/> Static
IPv6 Address		
Link Local Address	FE80::290:CFF:FE85:403D	
IPv6 Gateway		
IPv6 DNS Server		

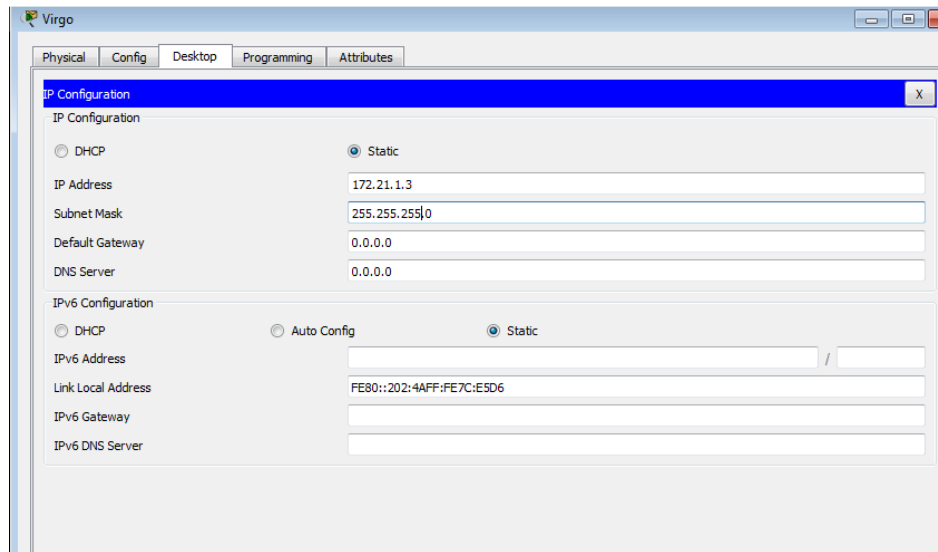
b. Aries = 172.21.1.2/24

The screenshot shows the 'Aries' network configuration window. The 'Config' tab is selected. Under 'IP Configuration', the 'Static' radio button is chosen. The IP Address is 172.21.1.2, Subnet Mask is 255.255.255.0, Default Gateway is 0.0.0.0, and DNS Server is 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is chosen. The IPv6 Address field is empty, Link Local Address is FE80::201:42FF:FE45:90D, and the IPv6 Gateway and DNS Server fields are empty.

IP Configuration	
<input 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

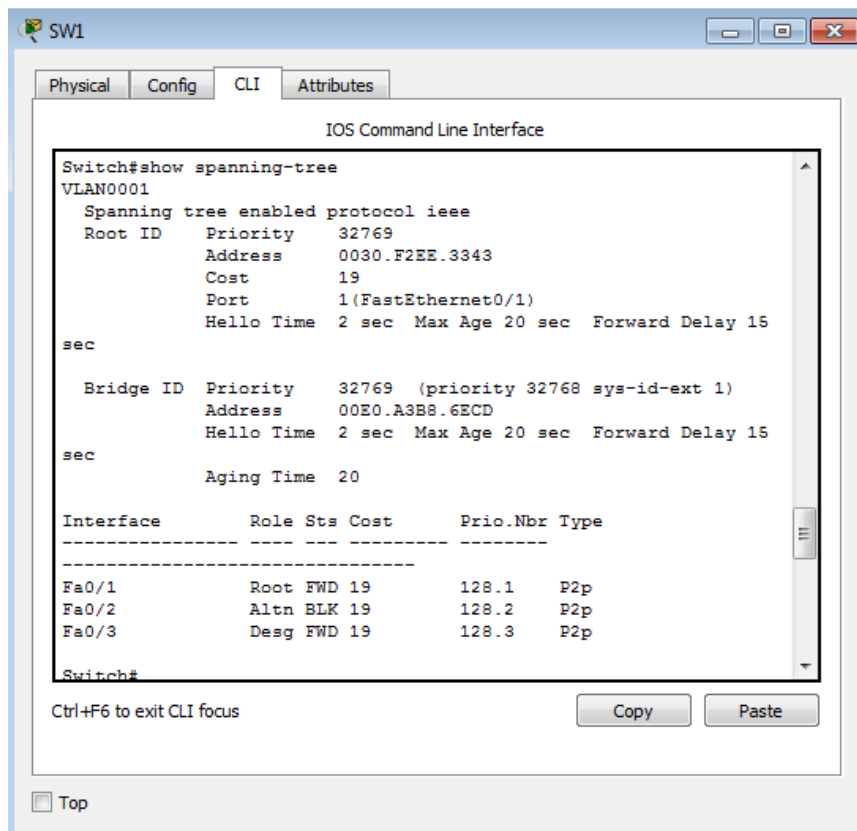
IPv6 Configuration		
<input type="radio"/> DHCP	<input type="radio"/> Auto Config	<input checked="" type="radio"/> Static
IPv6 Address		
Link Local Address	FE80::201:42FF:FE45:90D	
IPv6 Gateway		
IPv6 DNS Server		

c. Virgo = 172.21.1.3/24

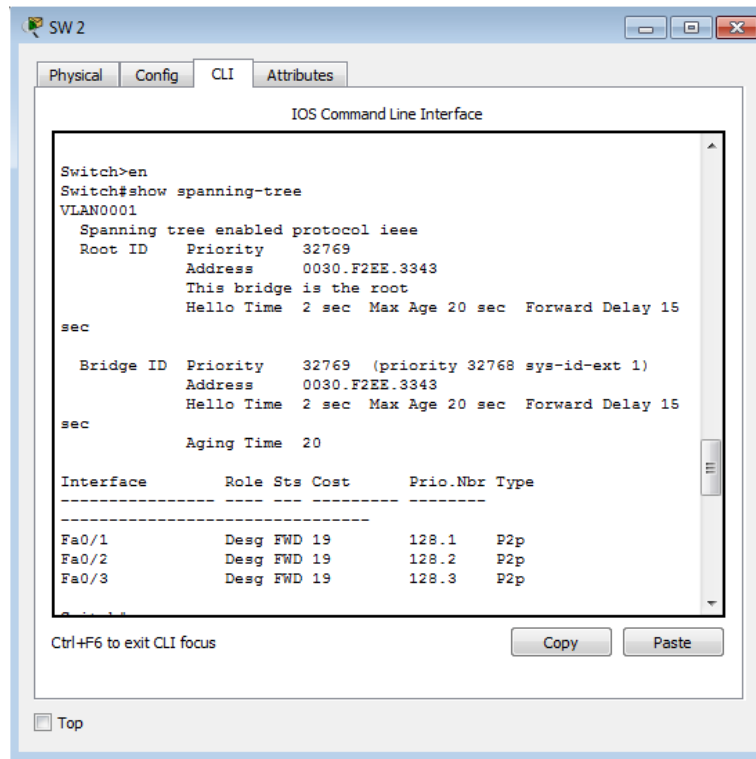


3. Melihat status STP pada masing-masing switch.

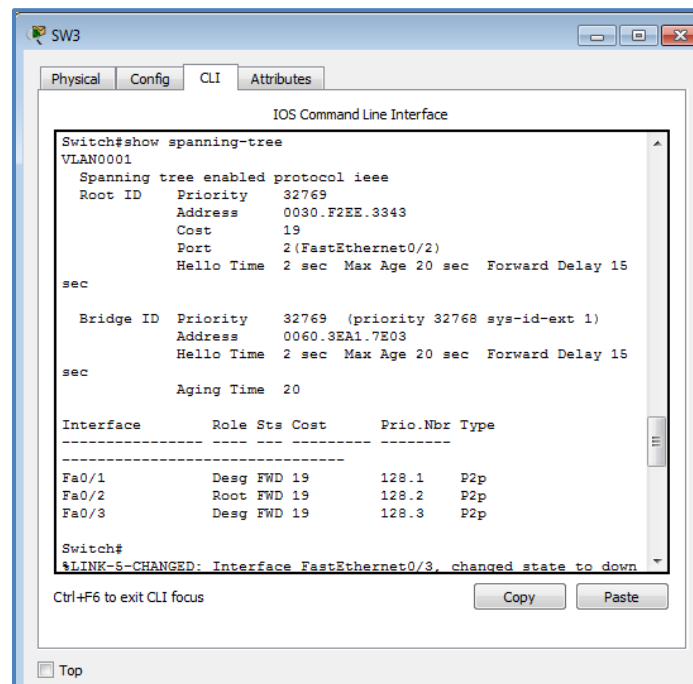
a. SW 1



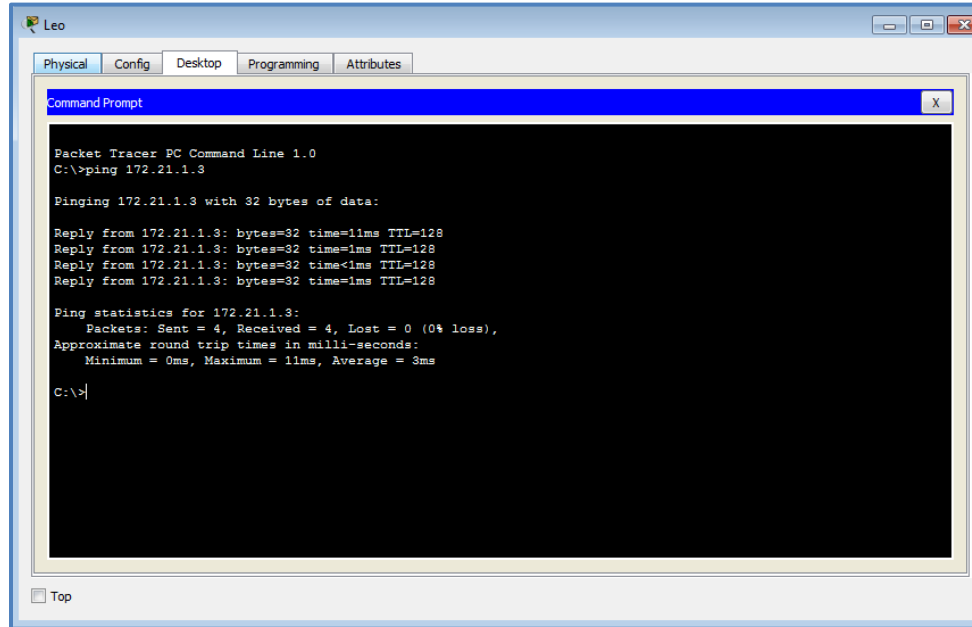
b. SW 2



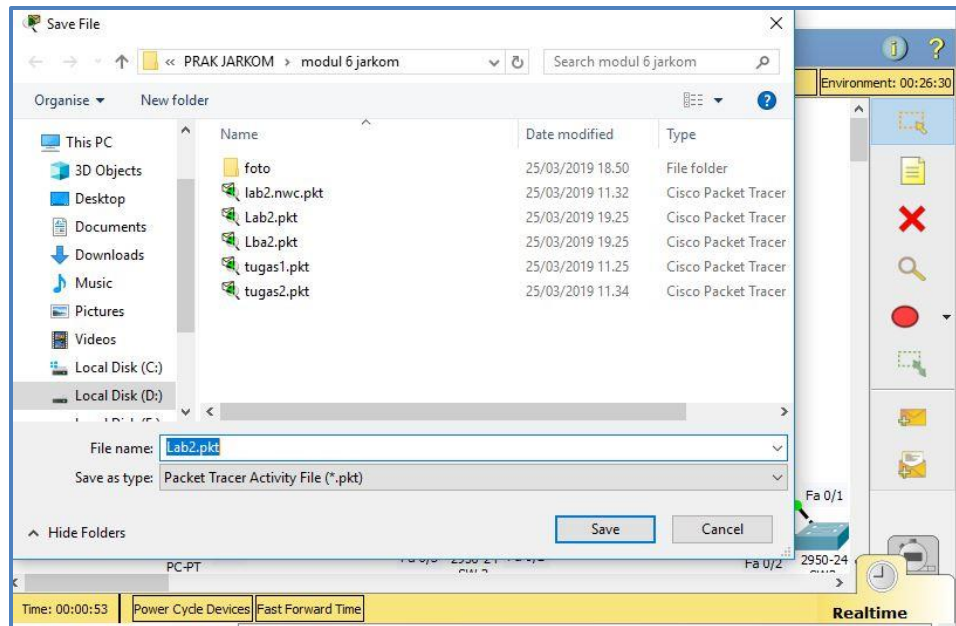
c. SW 3



4. Melakukan ping dari PC Leo ke PC Virgo

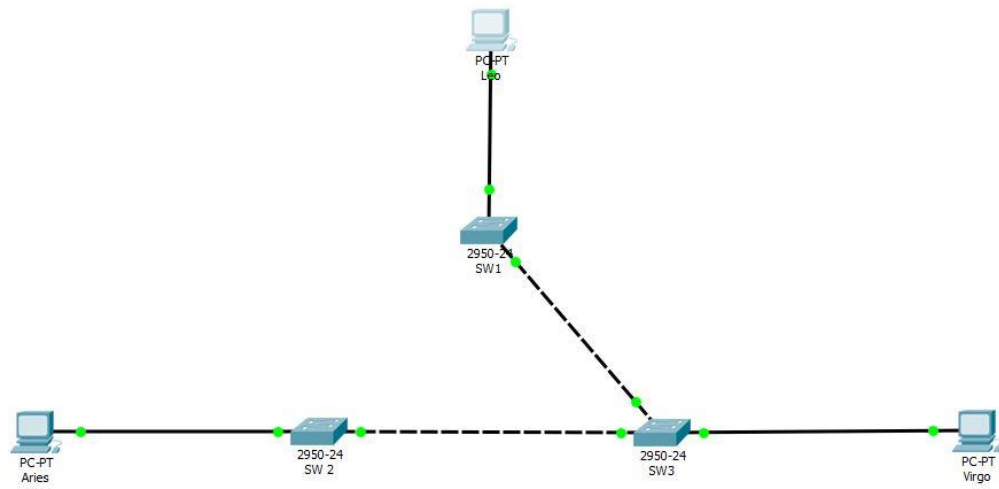


5. Simpan konfigurasi jaringan dengan nama lab2.pkt



Kegiatan2. Topologi 2

1. Menggunakan packet tracer ubah topologi menjadi seperti topologi berikut ini.



2. Melihat status STP pada masing-masing switch.

- SW 1

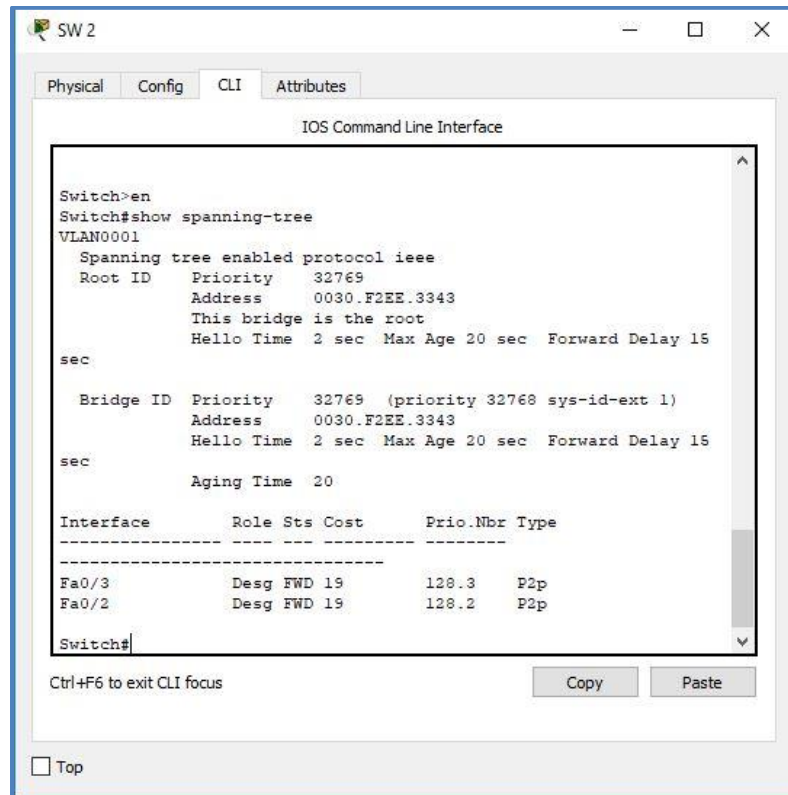
```
SW1
Physical Config CLI Attributes
IOS Command Line Interface

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

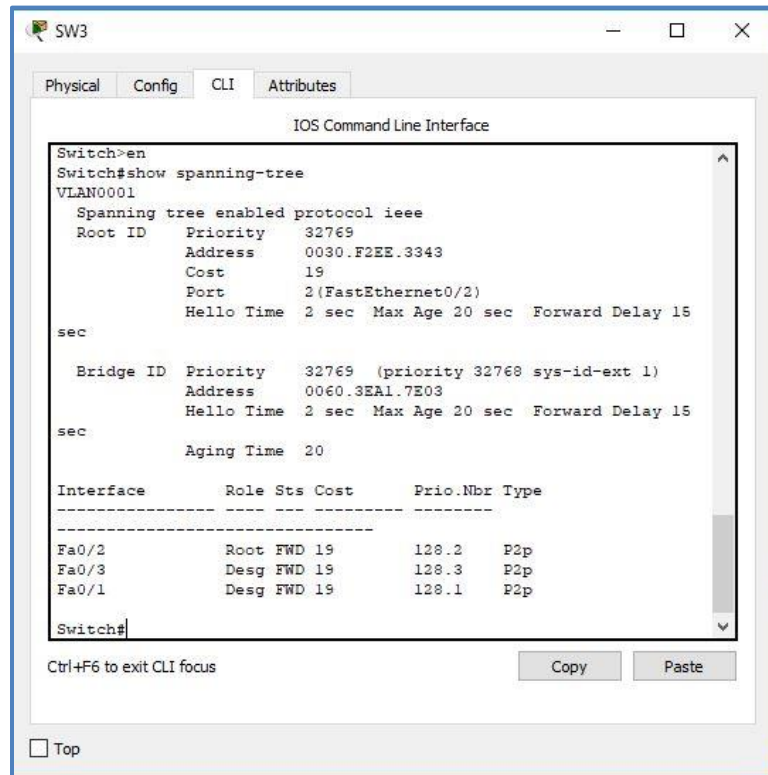
Interface      Role Sts Cost      Prio.Nbr Type
-----
Fa0/3          Desg FWD 19        128.3    P2p
Fa0/2          Root FWD 19        128.2    P2p

Switch#
```

- SW 2



- SW 3



3. Melakukan ping antara PC Leo dengan PC Virgo

