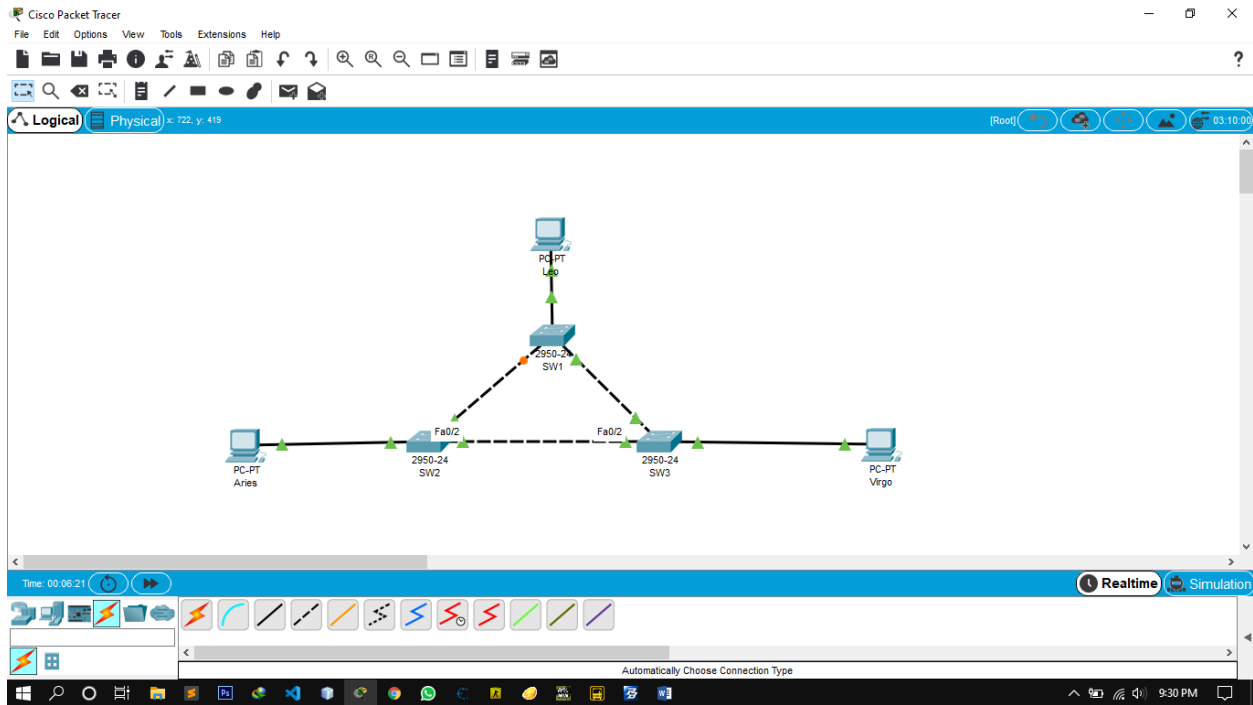


Kelas : C

Tugas 2A Memberi nama pada switch

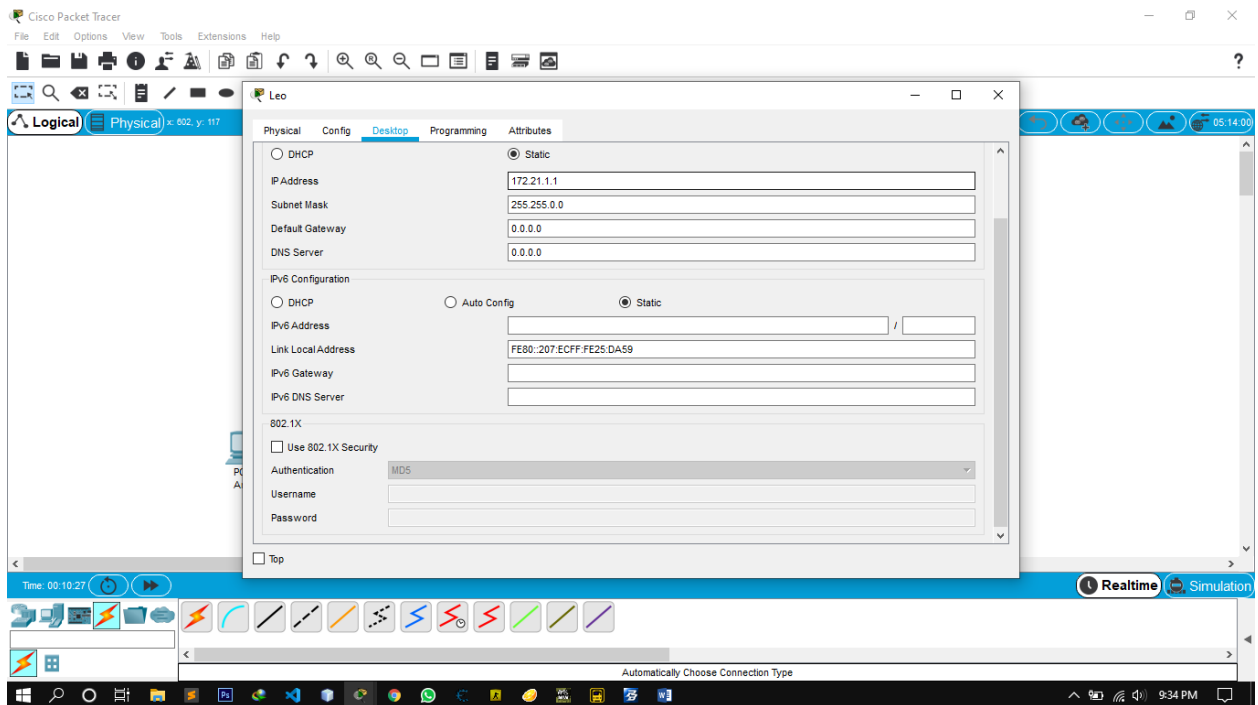


Langkah – langkah:

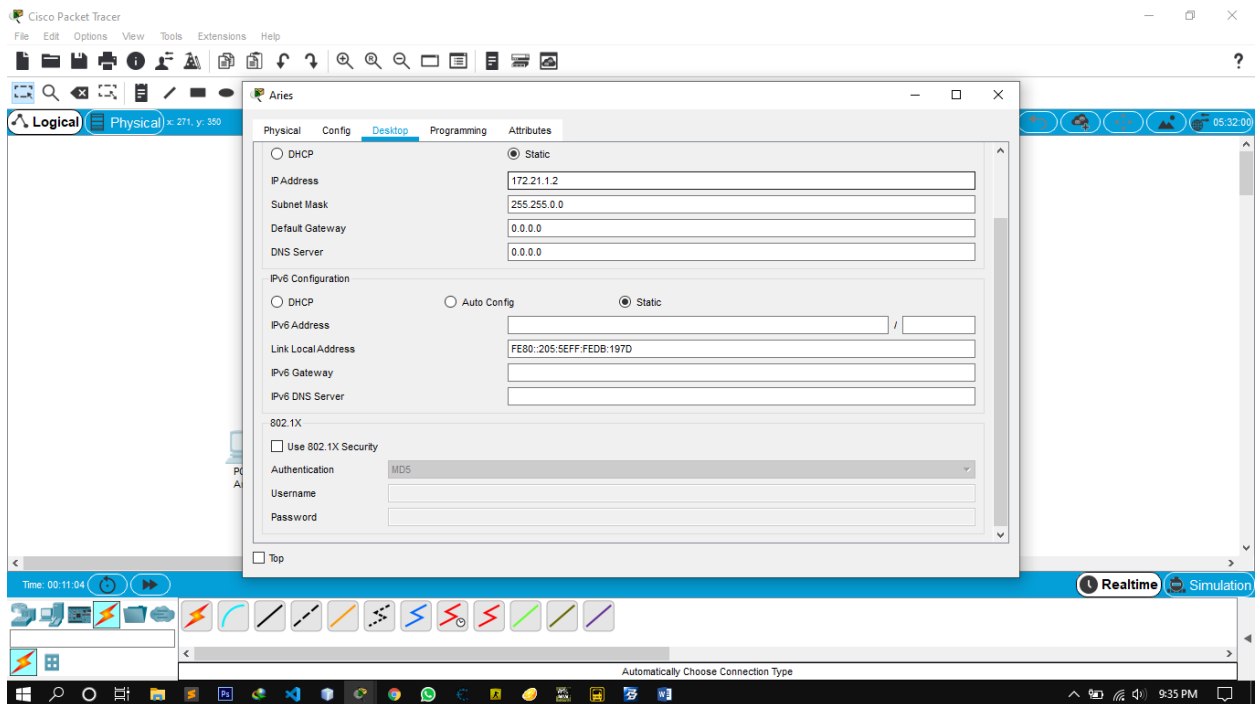
1. Switch>enable
2. Switch#conf term
3. Switch(config)#hostname SW1
4. SW1(config)#end
5. Lakukan pada tiap switch dengan nama SW2 dan SW3

c. Konfigurasi IP pada 3 PC

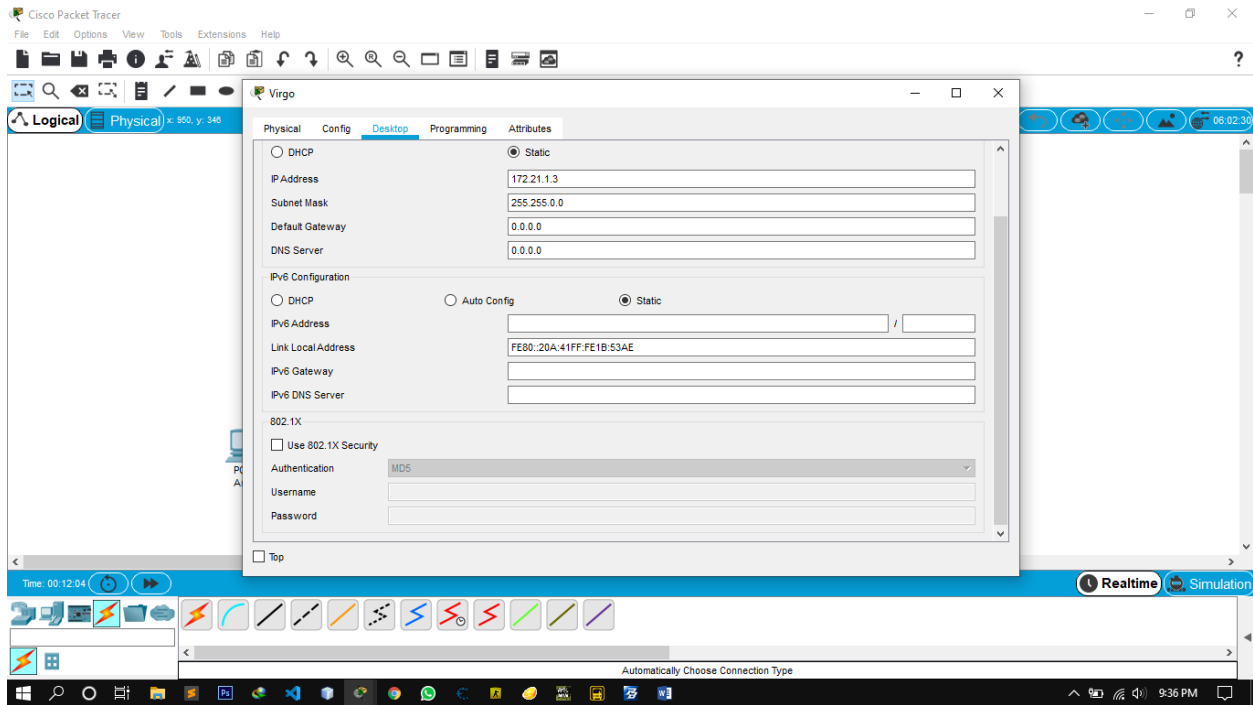
- Leo



- Aries



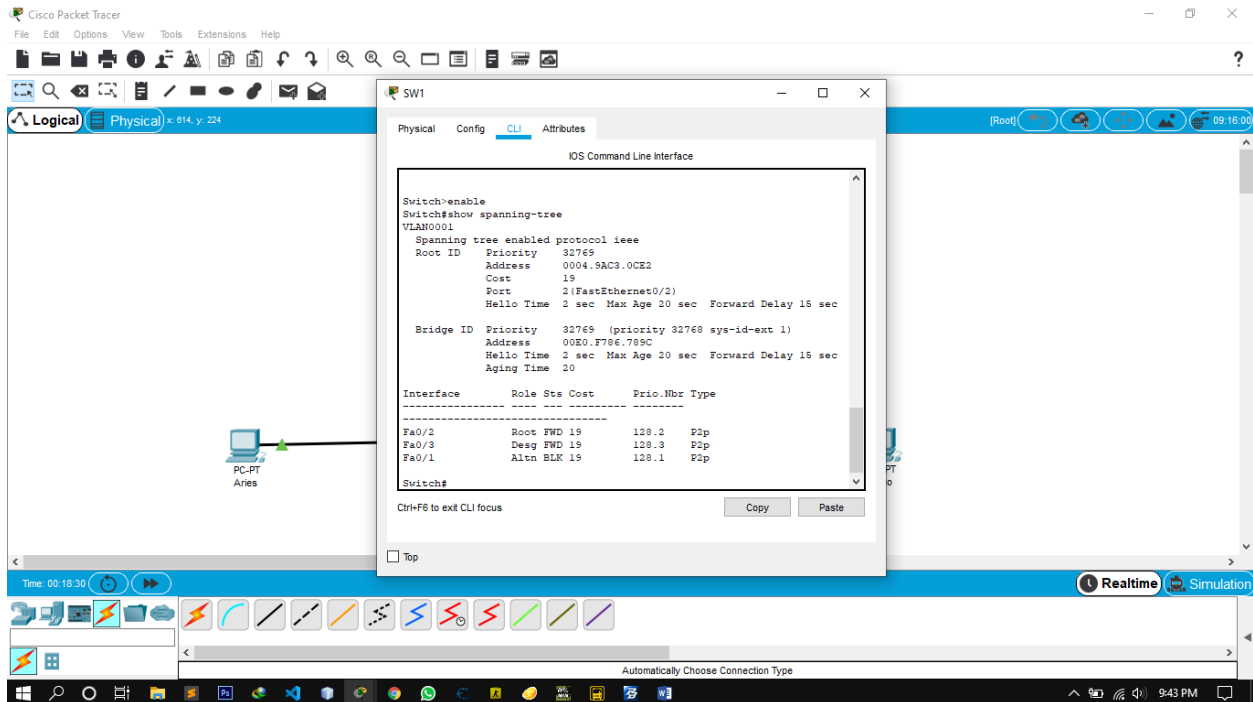
- Virgo



d. Pada mode user atau mode privileged, lihat status STP pada masing-masing switch

Tugas 4A

- SW1



- SW2

The screenshot shows the Cisco Packet Tracer interface with the SW2 configuration window open. The window displays the following configuration:

```
Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32768
             Address     0004.9AC3.0CE2
             Cost        19
             Port        2(FastEthernet0/2)
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 16 sec

  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
             Address     0060.2F17.E09A
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 16 sec
             Aging Time  20
```

Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa0/3	Desg	FWD	19	120.3	P2p
Fa0/2	Root	FWD	19	120.2	P2p
Fa0/1	Desg	FWD	19	120.1	P2p

Switch#

Ctrl+F6 to exit CLI focus

Copy Paste

- SW3

The screenshot shows the Cisco Packet Tracer interface with the SW3 configuration window open. The window displays the following configuration:

```
changed state to up

Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0004.9AC3.0CE2
             This bridge is the root
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 16 sec

  Bridge ID  Priority    32768 (priority 32769 sys-id-ext 1)
             Address     0060.2F17.E09A
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 16 sec
             Aging Time  20
```

Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa0/2	Desg	FWD	19	120.2	P2p
Fa0/1	Desg	FWD	19	120.1	P2p
Fa0/3	Desg	FWD	19	120.3	P2p

Switch#

Ctrl+F6 to exit CLI focus

Copy Paste

Tugas 4B Isi table untuk tiap switch

- SW1

No	Variabel	Nilai
1	Root ID	0004.9AC3.0CE2
2	Priority	32769
3	MAC Address	00E0.F786.789C
4	Bridge ID	00E0.F786.789C
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

- SW2

No	Variabel	Nilai
1	Root ID	0004.9AC3.0CE2
2	Priority	32769
3	MAC Address	0060.2F17.E09A
4	Bridge ID	0060.2F17.E09A
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

- SW3

No	Variabel	Nilai
1	Root ID	0004.9AC3.0CE2
2	Priority	32769
3	MAC Address	0004.9AC3.0CE2
4	Bridge ID	0004.9AC3.0CE2
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

Tugas 4C

Root bridge : SW3

Designated bridge : SW3

Root port : SW1 (Fa0/2), SW2(Fa0/2)

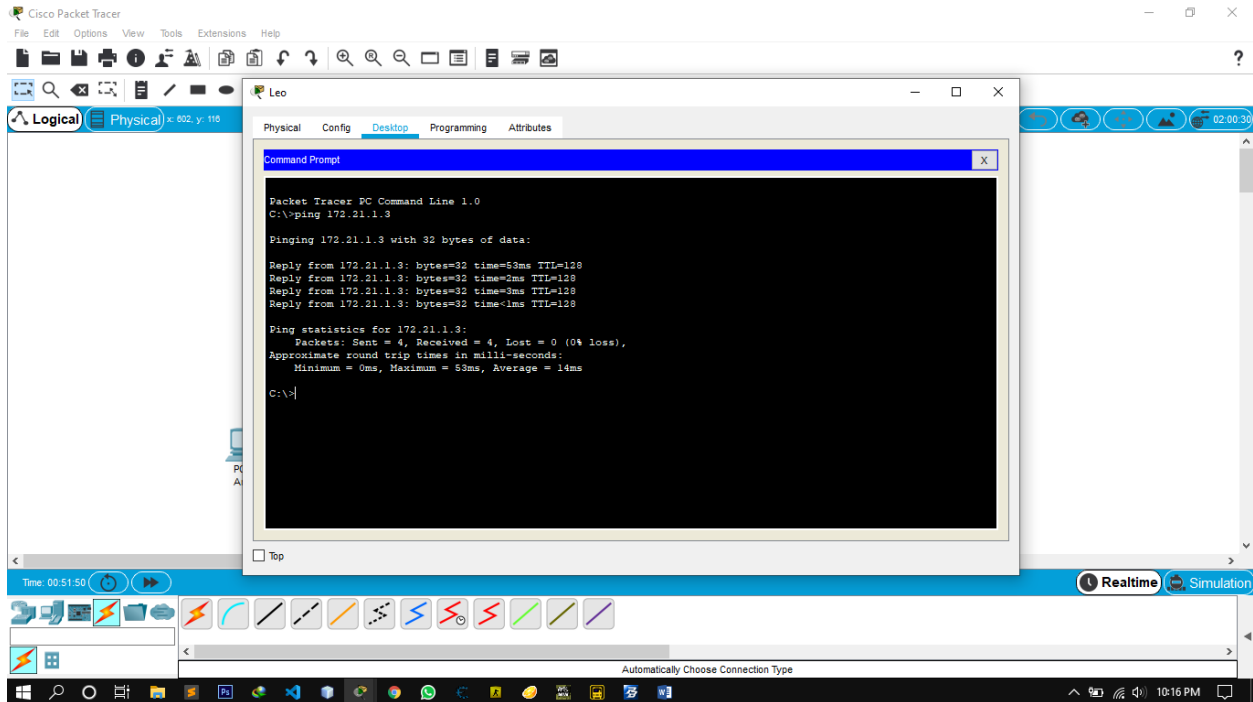
Designated port : SW3(Fa0/1;Fa0/2;Fa0/3), SW1(Fa0/3), SW2(Fa0/1;Fa0/3)

Tugas 4D

Forwarding : SW1(Fa0/2;Fa0/3), SW2(Fa0/1;Fa0/2;Fa0/3), SW3(Fa0/1;Fa0/2;Fa0/3)

Blocking : SW1(Fa0/1)

e. Ping dari PC Leo ke PC Virgo



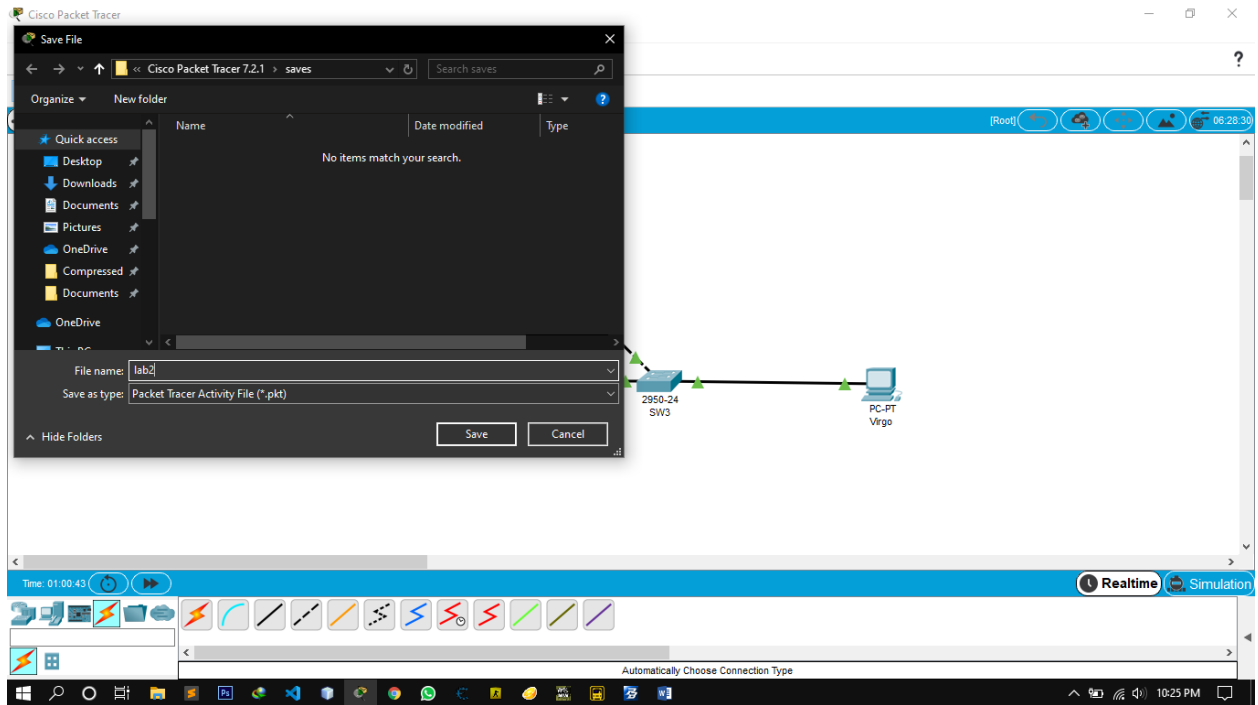
Langkah-Langkah:

1. Masuk PC Leo
2. Pilih Desktop > Command prompt
3. Ketik ping 172.21.1.3 dan Enter

Tugas 6A

Langkah – Langkah:

1. Masuk ke switch
2. Pilih tab CLI
3. Enter dan Ketik seperti dibawah ini
Switch>en
Switch#write
Building configuration...
[OK]
Switch#
4. Ulangi langkah 2 dan 3 di switch lainnya
5. Kemudian save

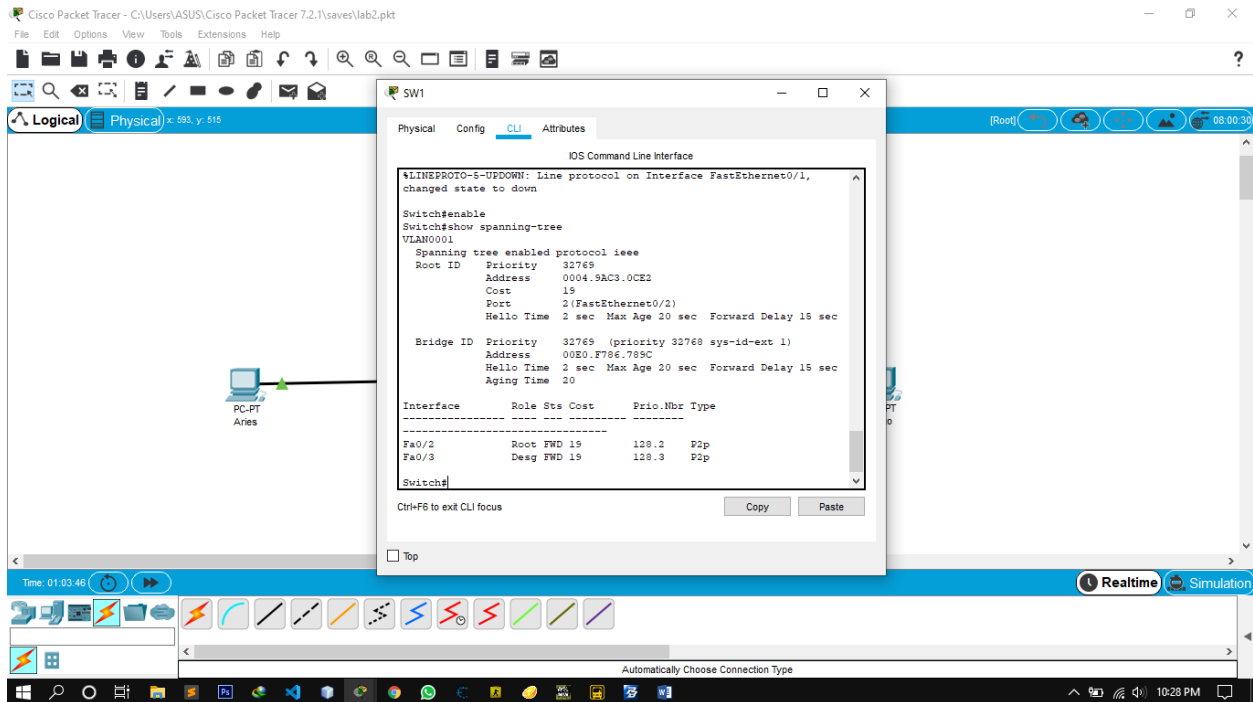


2. Kegiatan 2 Topologi 2

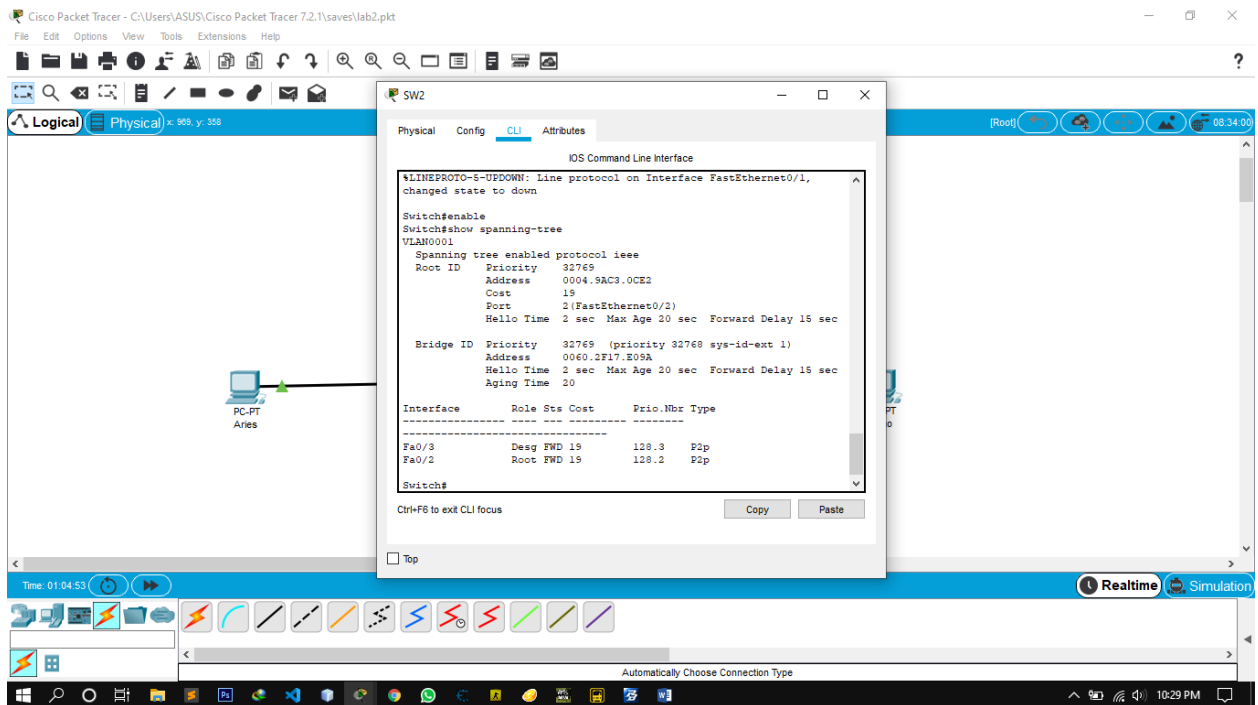
Tugas 9A

1. Status STP

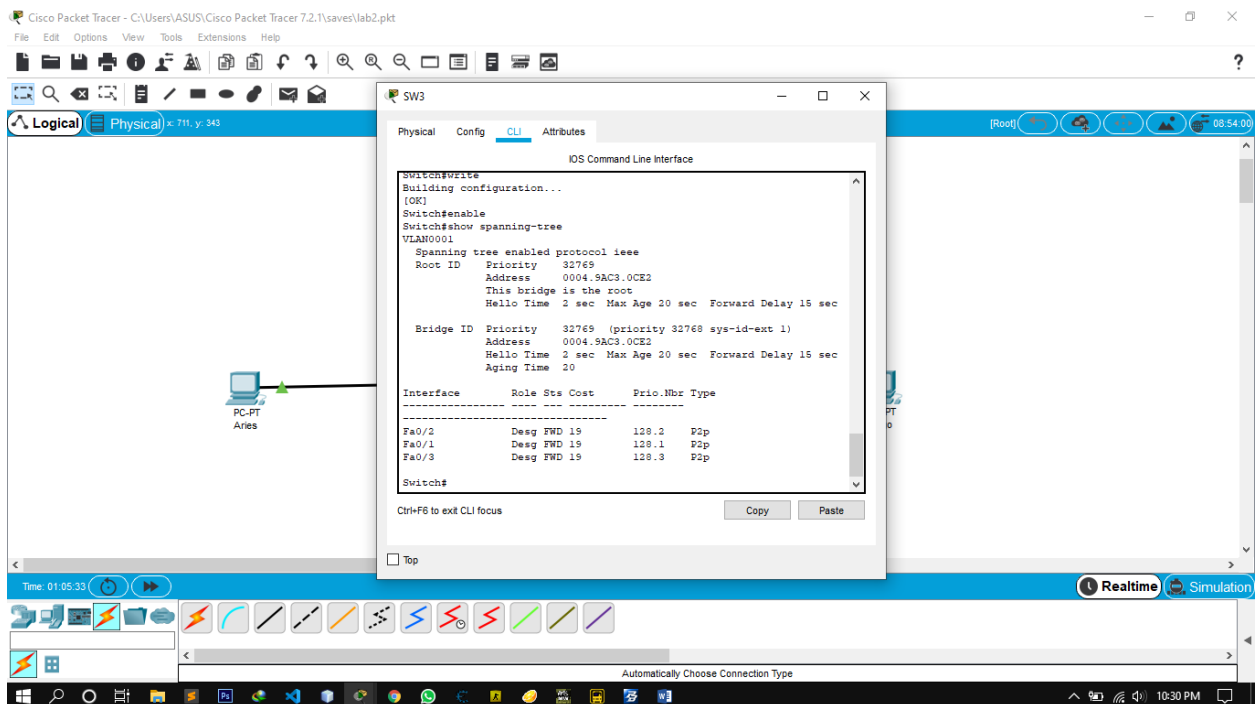
- SW1



- SW2



- SW3



2. Isi table

- SW1

No	Variabel	Nilai
1	Root ID	0004.9AC3.0CE2

2	Priority	32769
3	MAC Address	00E0.F786.789C
4	Bridge ID	00E0.F786.789C
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

- SW2

No	Variabel	Nilai
1	Root ID	0004.9AC3.0CE2
2	Priority	32769
3	MAC Address	0060.2F17.E09A
4	Bridge ID	0060.2F17.E09A
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

- SW3

No	Variabel	Nilai
1	Root ID	0004.9AC3.0CE2
2	Priority	32769
3	MAC Address	0004.9AC3.0CE2
4	Bridge ID	0004.9AC3.0CE2
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

3. Tentukan :

Root bridge : SW3

Designated bridge : SW3

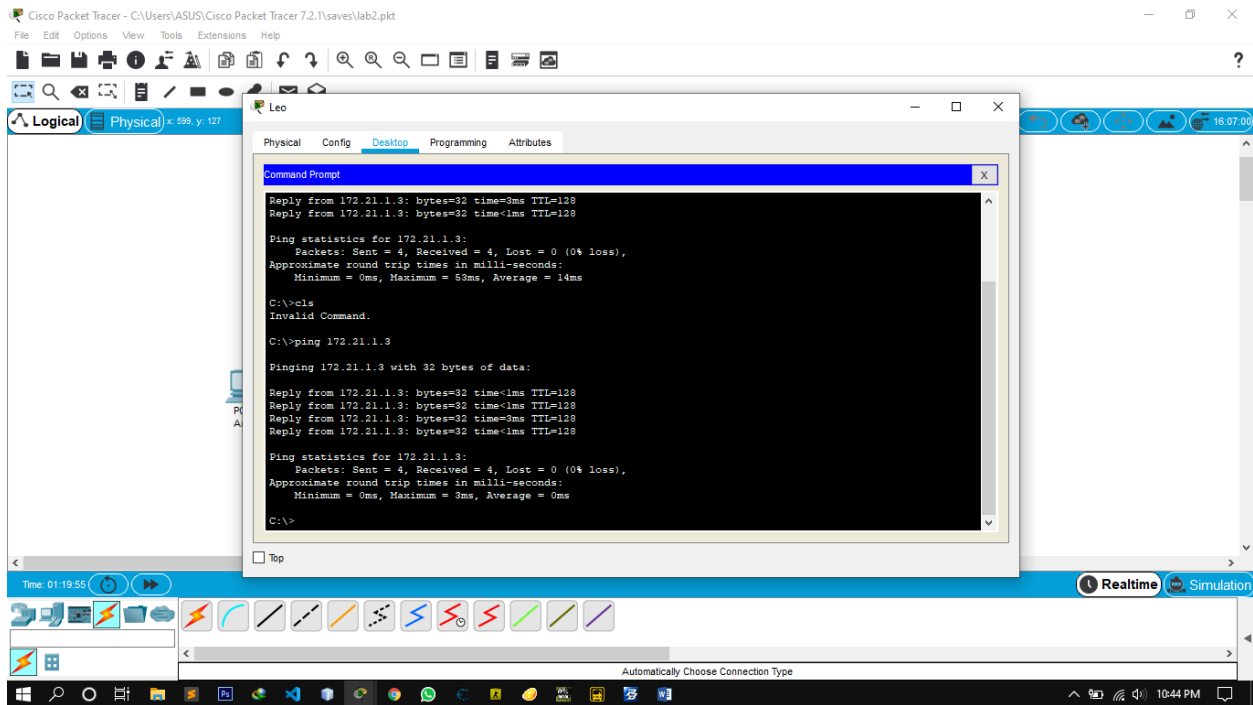
Root port : SW1 (Fa0/2), SW2(Fa0/2)

Designated port : SW3(Fa0/1;Fa0/2;Fa0/3), SW1(Fa0/3), SW2(Fa0/3)

Forwarding : SW1(Fa0/2;Fa0/3), SW2(Fa0/2;Fa0/3), SW3(Fa0/1;Fa0/2;Fa0/3)

Blocking : Tidak ada

4. Ping PC Leo ke PC Virgo



Langkah-Langkah:

1. Masuk PC Leo
2. Pilih Desktop > Command prompt
3. Ketik ping 172.21.1.3 dan Enter