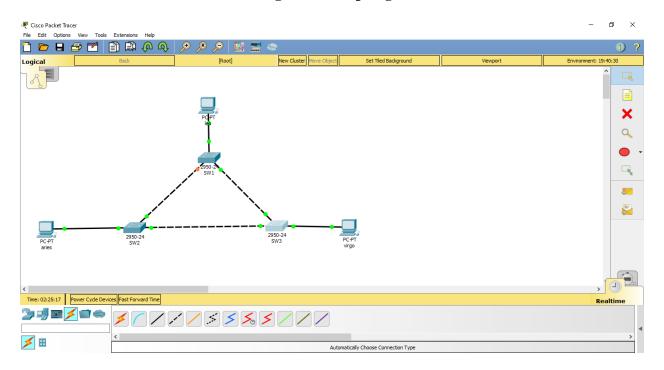
Nama: Putri Siwi Utami

NIM: L200180146

Kelas: D

Modul 6 Kegiatan 1. Topologi 1



Tugas 1A:

Pertama kita beri 3 Switch 2950-24 lalu kita beri masing-masing PC per Switch dan sambungkan antar peripheral dengan media transmisi kabel.

Tugas 2A: Memberi nama Switch melalui mode user

SW1

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname SW1

SW1(config)#end

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

 $Switch(config)\#hostname\ SW2$

SW2(config)#end

SW3

Switch>en

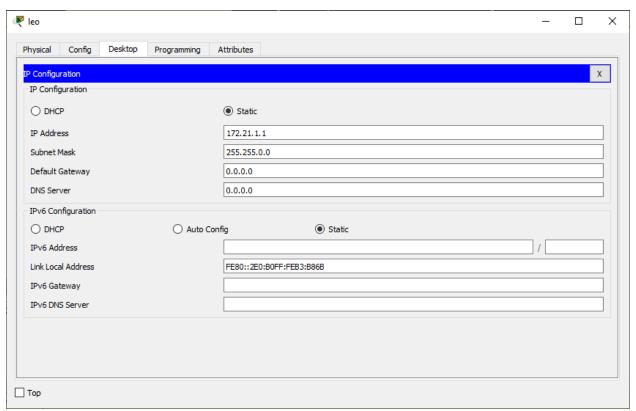
Switch#conf t

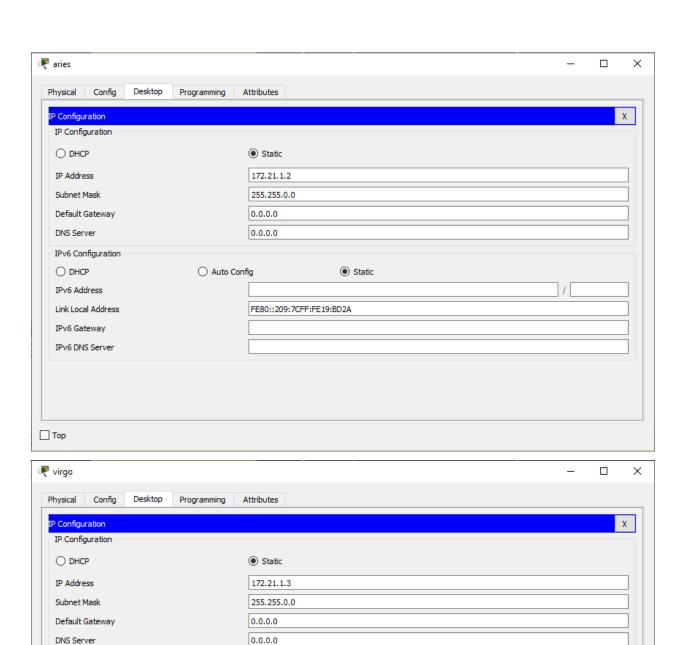
Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname SW3

SW3(config)#end

Konfigurasi masing-masing PC





Static

FE80::260:47FF:FE56:C5CE

IPv6 Configuration

O DHCP

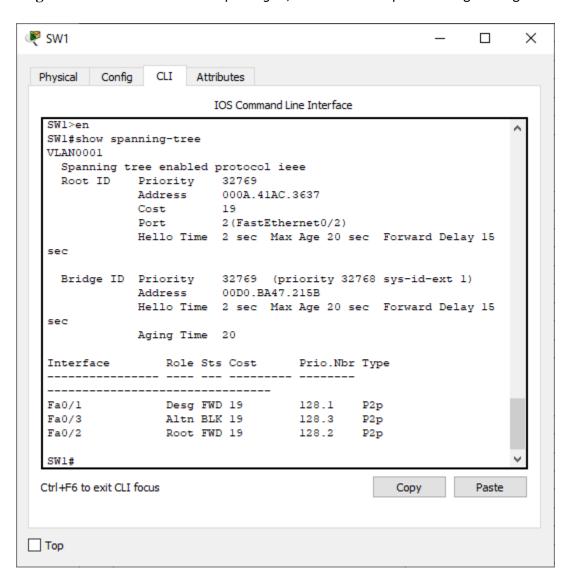
IPv6 Address Link Local Address

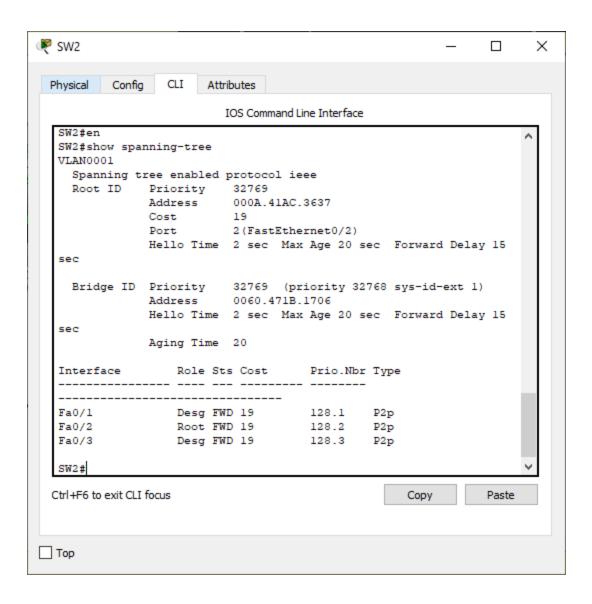
IPv6 Gateway
IPv6 DNS Server

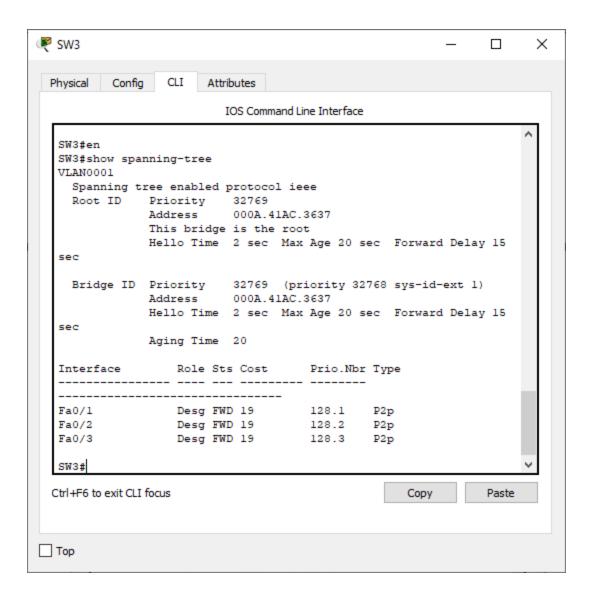
Тор

O Auto Config

Tugas 4A: Pada mode user atau privileged, lihat status STP pada masing-masing switch.







Tugas 4B: Tabel tiap switch

No	Variable	Nilai
1	Root ID	000A.41AC.3637
2	Priority	32769
3	MAC Adrress	00D0.BA47.215B
4	Bridge ID	00D0.BA47.215B
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW2

No	Variable	Nilai
1	Root ID	000A.41AC.3637
2	Priority	32769
3	MAC Adrress	0060.471B.1706
4	Bridge ID	0060.471B.1706
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

No	Variable	Nilai
1	Root ID	000A.41AC.3637
2	Priority	32769
3	MAC Adrress	000A.41AC.3637
4	Bridge ID	000A.41AC.3637
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Tugas 4C:

Root bridge: SW3

Designated bridge: SW2

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

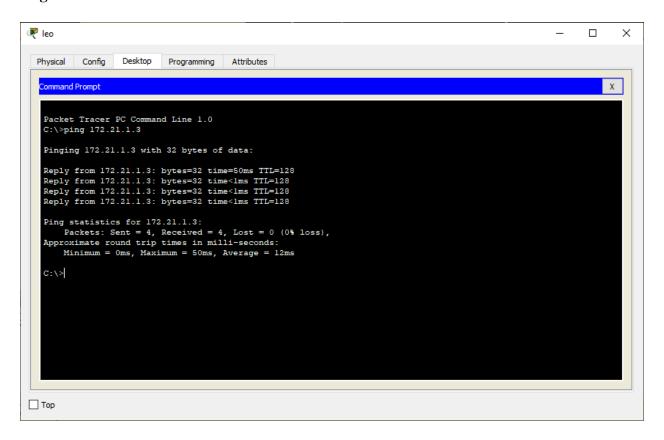
Designated port: SW1(Fa0/1), SW2(Fa0/1;Fa0/3), SW3(Fa0/1;Fa0/2;Fa0/3)

Tugas 4D:

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

Blocking: SW1(Fa0/3)

Tugas 5A:



Masuk ke PC leo >> Desktop >> Command Prompt

Lalu ketik "ping 172.21.1.3"

Tugas 6A:

SW1

SW1>en

SW1#write

Building configuration...

[OK]

SW2

SW2>en

SW2#write

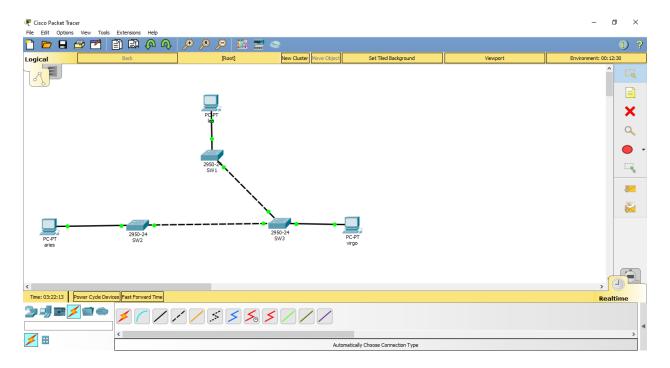
Building configuration...

SW3>en

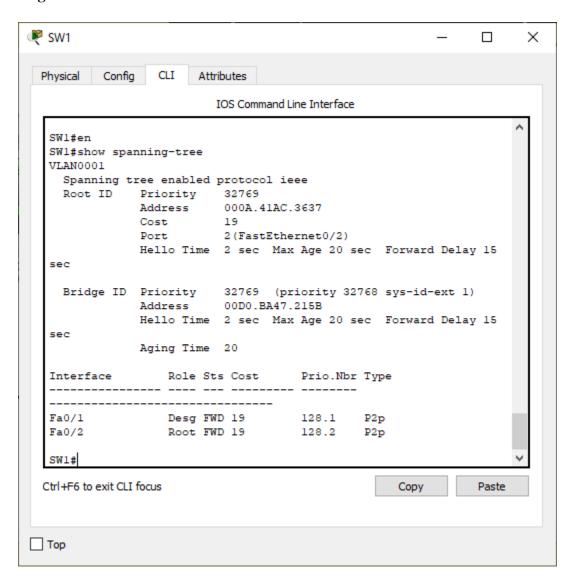
SW3#write

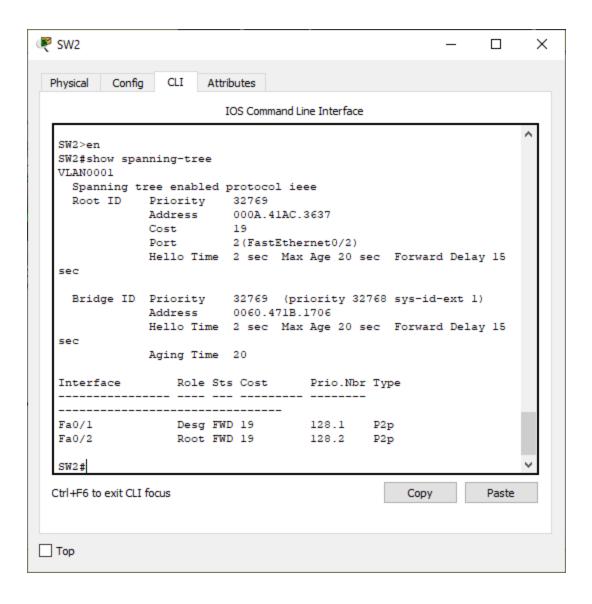
Building configuration...

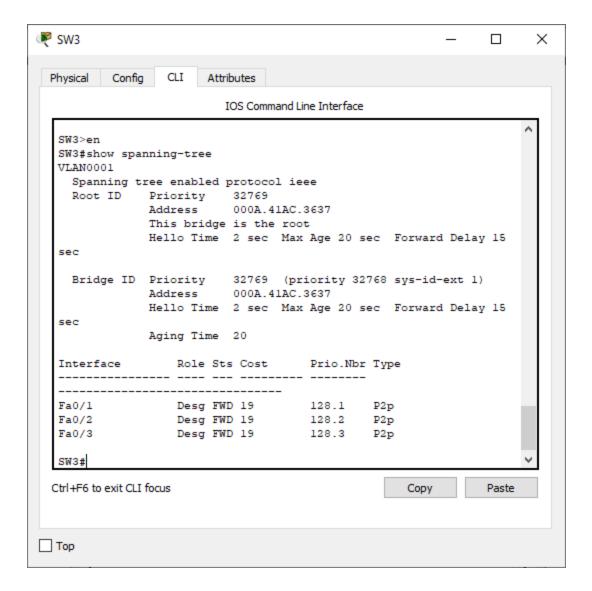
Kegiatan 2. Topologi 2



Tugas 9A:







No	Variable	Nilai
1	Root ID	000A.41AC.3637
2	Priority	32769
3	MAC Adrress	00D0.BA47.215B
4	Bridge ID	00D0.BA47.215B
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

No	Variable	Nilai
1	Root ID	000A.41AC.3637
2	Priority	32769
3	MAC Adrress	0060.471B.1706
4	Bridge ID	0060.471B.1706
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW3

No	Variable	Nilai
1	Root ID	000A.41AC.3637
2	Priority	32769
3	MAC Adrress	000A.41AC.3637
4	Bridge ID	000A.41AC.3637
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Menentukan:

Root bridge: SW3

Designated bridge: SW2

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

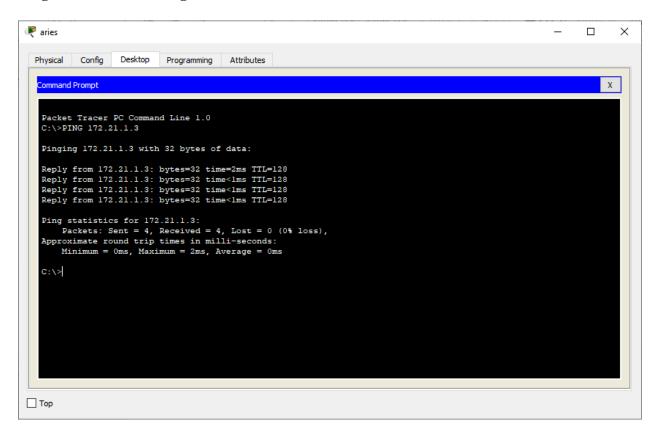
 $\textbf{\textit{Designated port}: $SW1(Fa0/1)$, $SW2(Fa0/1)$, $SW3(Fa0/1;Fa0/2;Fa0/3)$}$

Menentukan:

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

Blocking: None

Ping PC aries ke PC virgo



Masuk ke PC aries >> Desktop >> Command Prompt Lalu ketik "ping 172.21.1.3"

Langkah untuk menyimpan konfigurasi jaringan

SW1

SW1>en

SW1#write

Building configuration...

SW2>en

SW2#write

Building configuration...

[OK]

SW3

SW3>en

SW3#write

Building configuration...