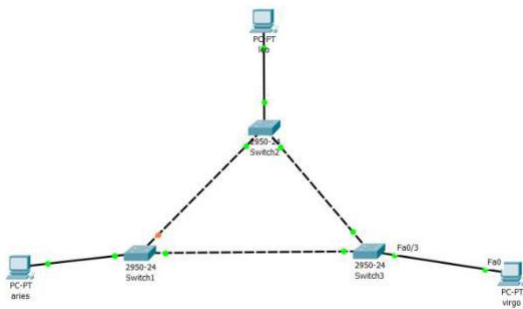


Nama : Fawwaz Haidar A.K
NIM : L200183143
Kelas : E

Praktikum Jaringan Komputer

Kegiatan 1. Topologi 1

Gambar rangkaian topologi



Konfigurasi PC

> Leo

The screenshot shows the 'leo' network configuration window. The 'Config' tab is selected. The 'IP Configuration' section has 'Static' selected, with fields for IP Address (172.21.1.1), Subnet Mask (255.255.0.0), Default Gateway (0.0.0.0), and DNS Server (0.0.0.0). The 'IPv6 Configuration' section has 'Static' selected, with fields for IPv6 Address, Link Local Address (FE80::201:96FF:FE39:89BC), IPv6 Gateway, and IPv6 DNS Server. A 'Top' button is at the bottom left.

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::201:96FF:FE39:89BC
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

> Aries

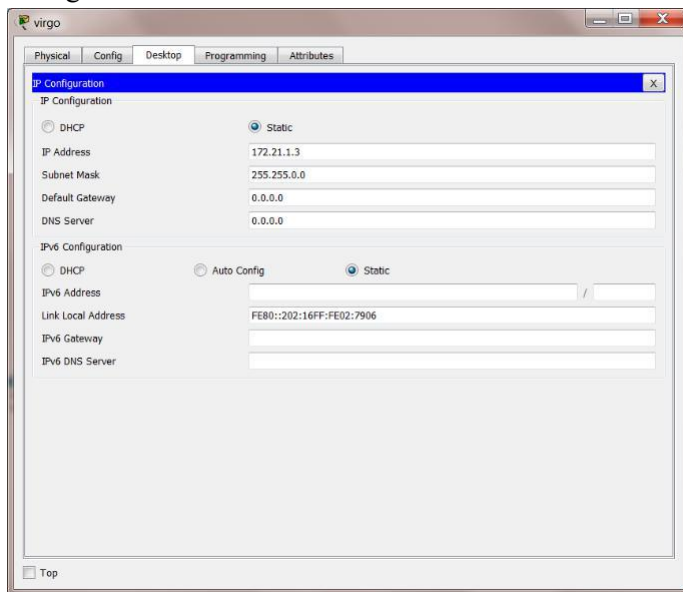
The screenshot shows the 'aries' network configuration window. The 'Config' tab is selected. The 'IP Configuration' section has 'Static' selected, with fields for IP Address (172.21.1.2), Subnet Mask (255.255.0.0), Default Gateway (0.0.0.0), and DNS Server (0.0.0.0). The 'IPv6 Configuration' section has 'Static' selected, with fields for IPv6 Address, Link Local Address (FE80::240:8FF:FED6:45DC), IPv6 Gateway, and IPv6 DNS Server. A 'Top' button is at the bottom left.

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::240:8FF:FED6:45DC
IPv6 Gateway	
IPv6 DNS Server	

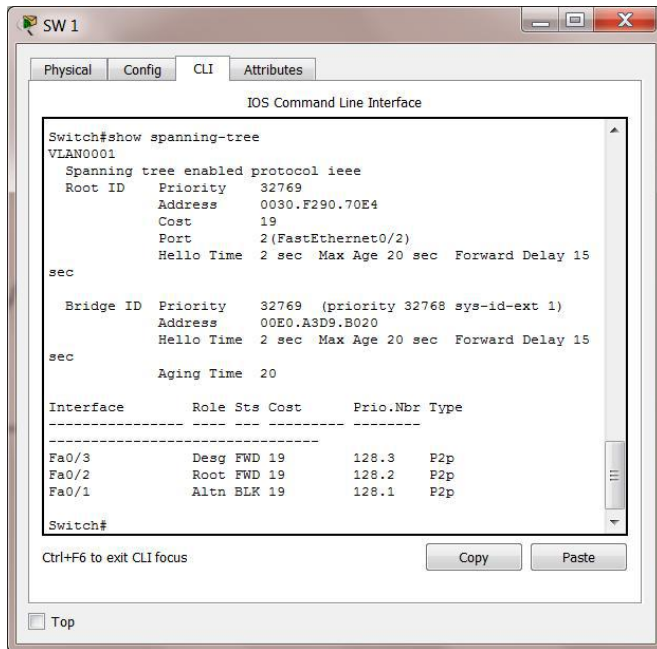
☐ Top

> Virgo

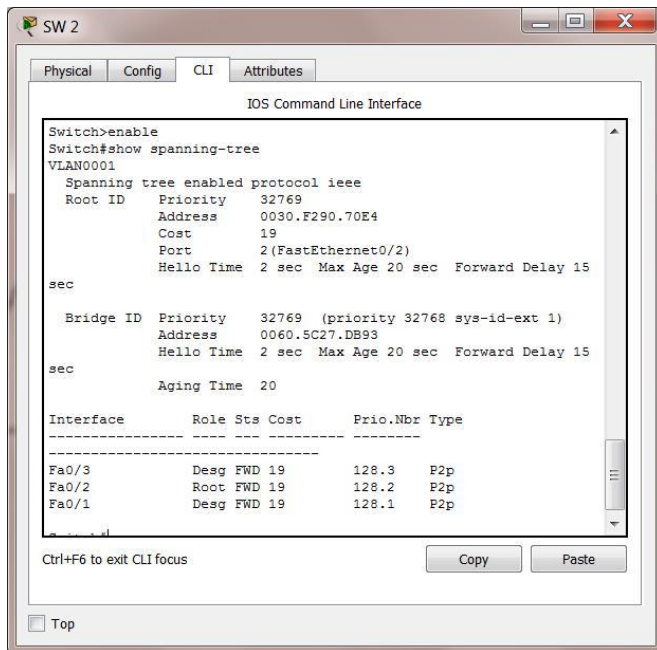


Melihat status STP masing – masing switch

>SW1



>SW2



>SW3

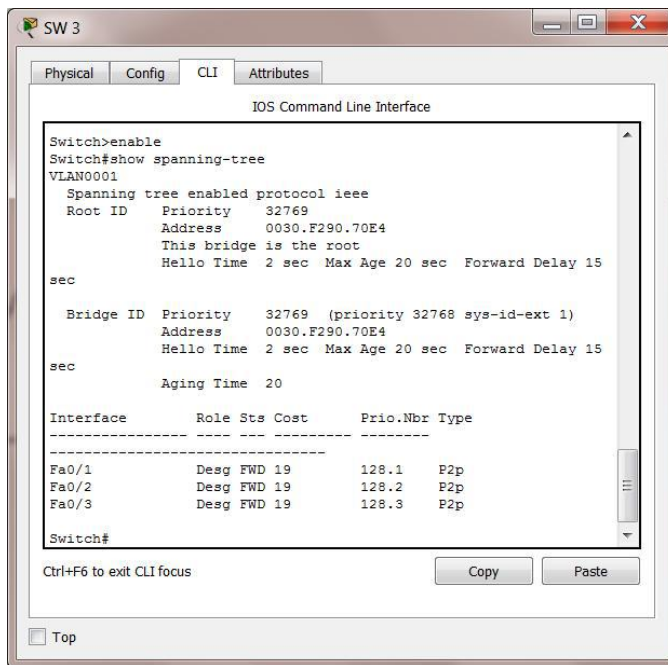


Table setiap switch

>SW1

No	Variable	Value
1.	Root ID	32769
2.	Priority	32768
3.	MAC Address	00E0.A3D9.B020
4.	Bridge ID	32769
5.	Cost	19
6.	Hello time	2 sec
7.	Max Age	20 sec
8.	Froward Delay	15 sec

>SW2

No	Variable	Value
1.	Root ID	32769
2.	Priority	32768
3.	MAC Address	0060.5C27.DB93
4.	Bridge ID	32769
5.	Cost	19
6.	Hello time	2 sec
7.	Max Age	20 sec
8.	Froward Delay	15 sec

>SW3

No	Variable	Value
1.	Root ID	32769
2.	Priority	32768
3.	MAC Address	0030.F290.70E4
4.	Bridge ID	32769
5.	Cost	19
6.	Hello time	2 sec
7.	Max Age	20 sec
8.	Froward Delay	15 sec

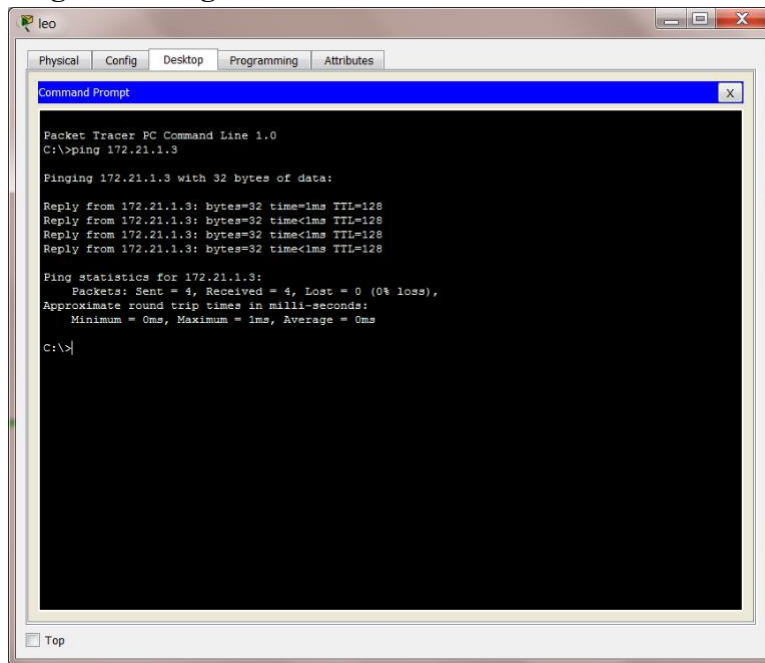
Menentukan

Root bridge :SW3
Designated bridge : SW 1 dan SW 2
Root port : SW1(Fa0/3), SW2(Fa0/2)
: SW1(Fa0/1), SW2(Fa0/1 dan Fa0/3), SW3(Fa0/1, Fa0/2, dan
Designated port Fa0/3)

Menentukan

Keadaan forwarding : SW1(Fa0/1 dan Fa0/3), SW2(Fa0/1 Fa0/2 Fa0/3),
SW3(Fa0/1 Fa0/2 Fa0/3)
Keadaan blocking : SW1 (Fa0/2)

Ping leo ke virgo



Langkah melakukan ping

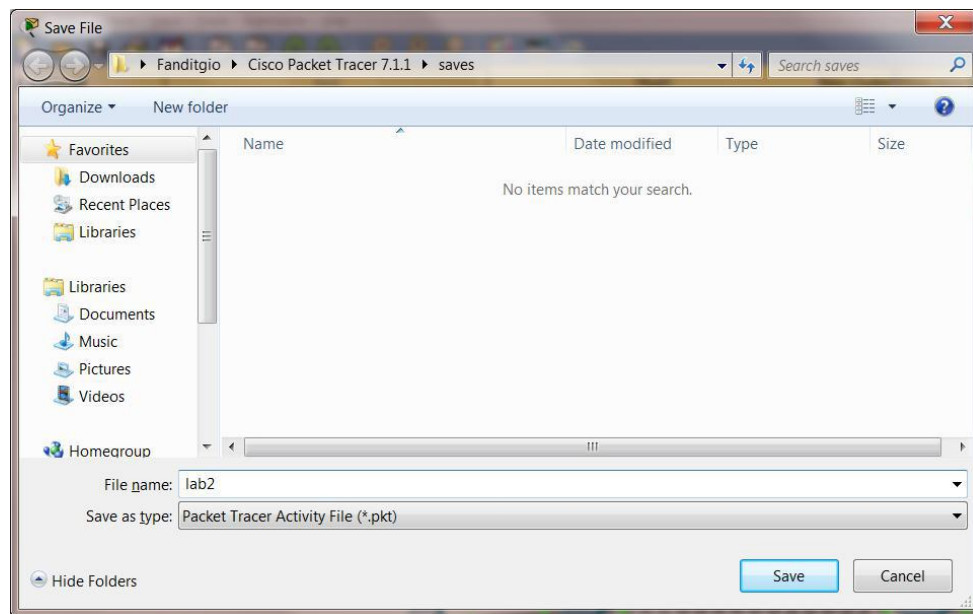
Klik PC leo

Pilih tab desktop

Pilih command prompt

Ketikkan ping 172.21.1.3

- > Klik file
- > Pilih Save As
- > Beri nama lab2, ekstensi akan menyesuaikan dengan aplikasi yang kita gunakan



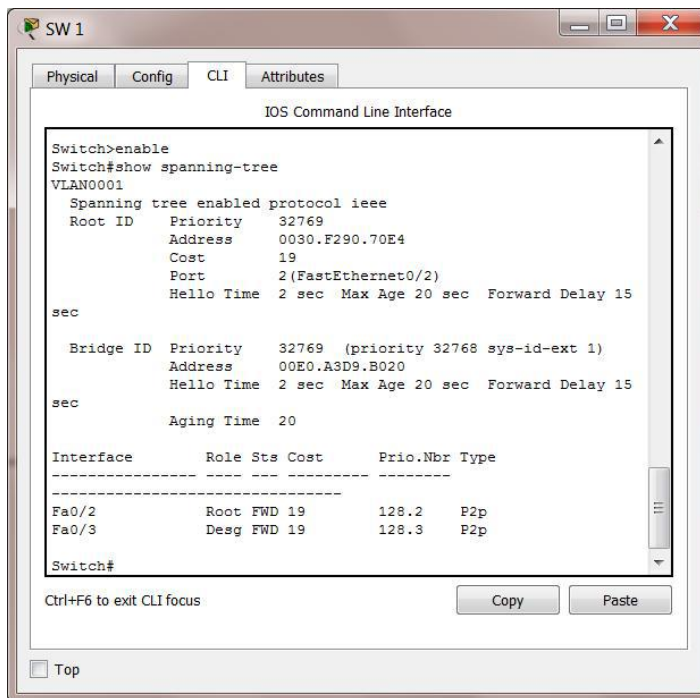
Kegiatan 2 Topologi 2

Rangkaian topologi 2



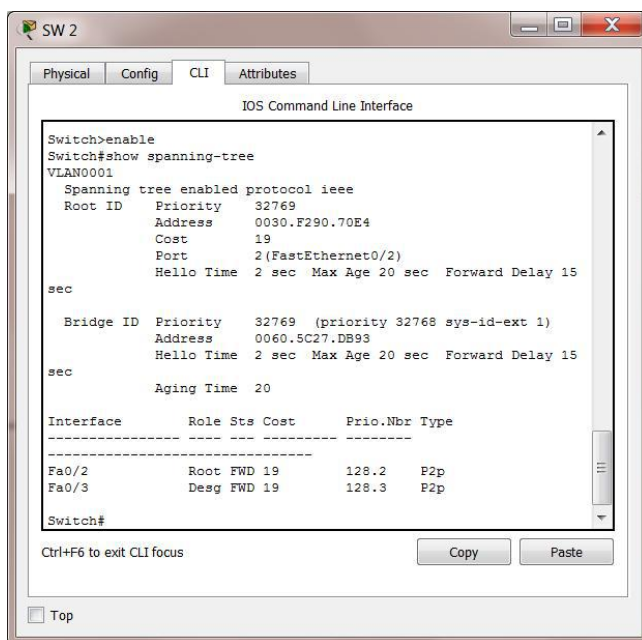
Status STP masing – masing switch

>SW1



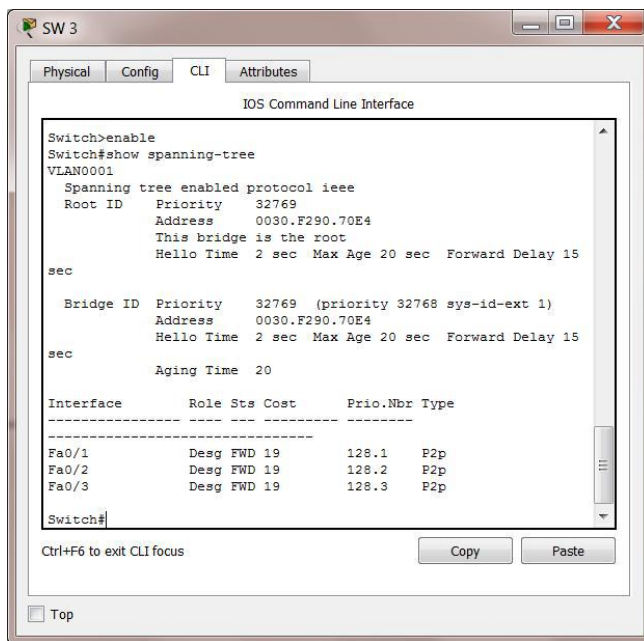
No	Variable	Value
1.	Root ID	32769
2.	Priority	32768
3.	MAC Address	00E0.A3D9.B020
4.	Bridge ID	32769
5.	Cost	19
6.	Hello time	2 sec
7.	Max Age	20 sec
8.	Froward Delay	15 sec

>SW2



No	Variable	Value
1.	Root ID	32769
2.	Priority	32768
3.	MAC Address	0060.5C27.DB93
4.	Bridge ID	32769
5.	Cost	19
6.	Hello time	2 sec
7.	Max Age	20 sec
8.	Froward Delay	15 sec

>SW3



No	Variable	Value
1.	Root ID	32769
2.	Priority	32768
3.	MAC Address	0030.F290.70E4
4.	Bridge ID	32769
5.	Cost	19
6.	Hello time	2 sec
7.	Max Age	20 sec
8.	Froward Delay	15 sec

Menentukan

Root bridge :SW3
 Designated bridge : SW 1 dan SW 2
 Root port : SW1(Fa0/2), SW2(Fa0/2)
 : SW1(Fa0/3), SW2(Fa0/3), SW3(Fa0/1, Fa0/2,
 Designated port Fa0/3)

Menentukan

Keadaan forwarding : SW1(Fa0/2 dan Fa0/3), SW2(Fa0/1 Fa0/2 Fa0/3),
 SW3(Fa0/1 Fa0/2 Fa0/3)
 Keadaan blocking : Tidak ada

Ping PC Leo ke Virgo

