

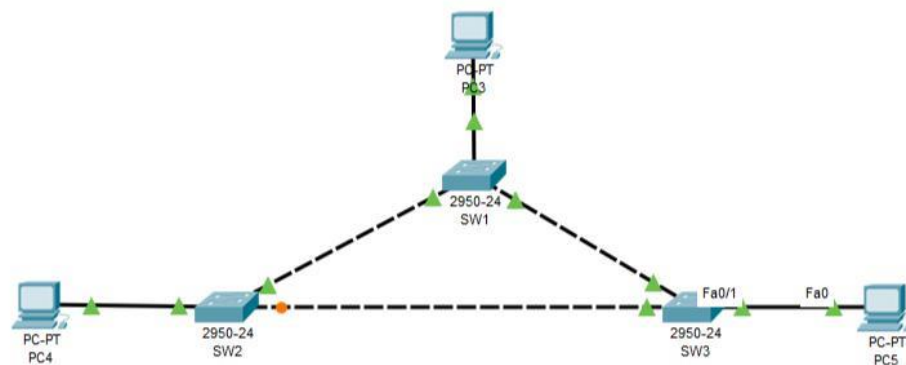
Nama = Bagus Ivaniajie

NIM = L200170181

Kelas D

Modul 6

KEGIATAN 1



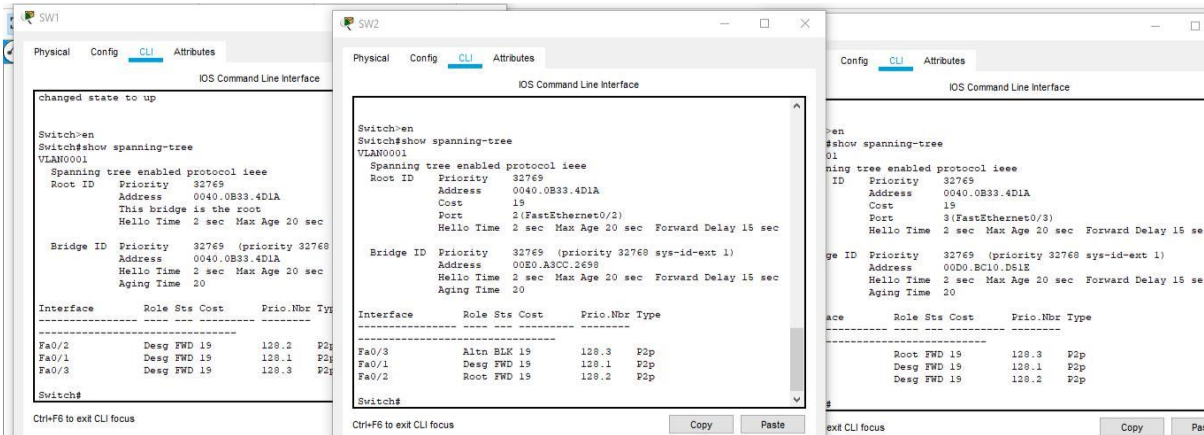
TUGAS 1A

Pilih switch 2950-24 3 buah dan 3 buah PC. Kemudian hubungkan dengan kabel baik antar switch / antar pc / antara pc atau switch

TUGAS 2A

Beri nama Switch lalu klik switch yang ingin diberi nama lalu pilih config dan isikan pada kolom global settings atau bisa secara langsung dengan cara mengklik switch nya dan tinggal mengganti namanya.

TUGAS 4A



TUGAS 4B

SW1

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	Mac Address	0001.42D2.BD40
4	Bridge ID	32768
5	Cost	19(0/2)
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW2

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	Mac Address	0001.42D2.BD40
4	Bridge ID	32768
5	Cost	Root Bridge
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW 3

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	Mac Address	0001.42D2.BD40
4	Bridge ID	32768
5	Cost	19(0/3)
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

TUGAS 4C

- Menjadi Root Bridge = SW 2 0/2 dan 0/3
- Menjadi Designated bridge = Sw1 dan sw 3 0/1 dan 0/2
- Menjadi root port =sw 1 0/2 dan sw3 0/3
- Menjadi designated port = sw1 0/1 dan sw3 0/2

TUGAS 4D

- SW1 (0/1, 0/2,) ; SW2(0/1, 0/2, 0/3); SW3(0/1, 0/2, 0/3) = Forward
- SW1 (0/3)= Block

TUGAS 5A

Pilih salah satu PC kemudian klik PC tersebut, selanjutnya pilih desktop kemudian pilih command prompt lalu ketik *ping alamatIP* (sesuai dengan ip pada pc yang ingin di ping)

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=12ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=2ms TTL=128

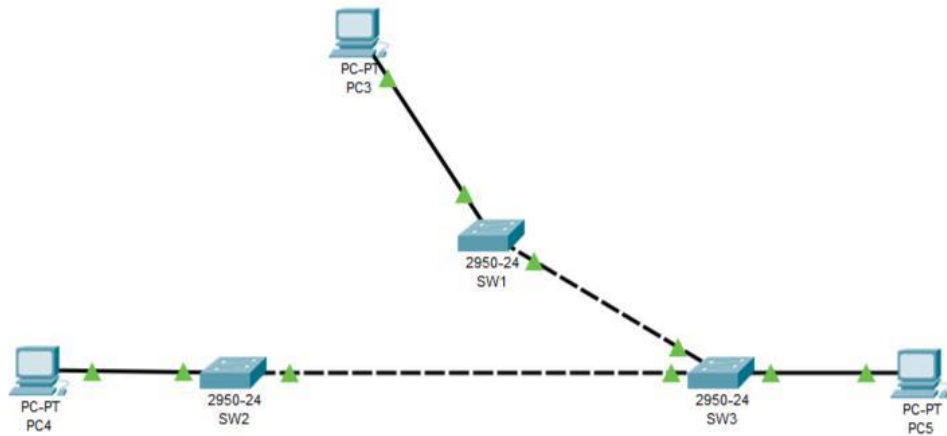
Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 12ms, Average = 3ms
```

TUGAS 6A

Klik switch kemudian pilih CLI masuk ke mode user/privillage kemudian tulis
Switch#copy running-config startup-config
Lalu enter.
Simpan konfigurasi jaringan dengan nama lab2.pkt

KEGIATAN 2

TUGAS 9A



Pilih switch 2950-24 3 buah dan 3 buah PC. Kemudian hubungkan dengan kabel baik antar switch / antar pc / antara pc atau switch. Namun pada kegiatan 2 ini, hapus satu kabel yang menyebabkan blok

```
IOS Command Line Interface
%LINK-3-UPDOWN: Interface FastEthernet0/2, changed
%LINEPROTO-5-UPDOWN: Line protocol on Interface Fa
changed state to down

Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0040.0B33.4D1A
            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    0040.0B33.4D1A
            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     Desg FWD 19 128.3 P2p

Switch#
```

```
IOS Command Line Interface
%LINK-3-UPDOWN: Interface FastEthernet0/2, changed
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet
changed state to down

Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0040.0B33.4D1A
            Cost        38
            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.A3CC.2698
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time  20

Interface Role Sts Cost Prio.Nbr Type
-----
Fa0/3     Root FWD 19 128.3 P2p
Fa0/1     Desg FWD 19 128.1 P2p

Switch#
```

```
IOS Command Line Interface
Fa0/1     Desg FWD 19 128.1 P2p
Fa0/2     Desg FWD 19 128.2 P2p

Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0040.0B33.4D1A
            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    00D0.BC10.D61E
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time  20

Interface Role Sts Cost Prio.Nbr Type
-----
Fa0/3     Root FWD 19 128.3 P2p
Fa0/1     Desg FWD 19 128.1 P2p
Fa0/2     Desg FWD 19 128.2 P2p

Switch#
```

SW 1

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	Mac Address	0001.42D2.BD40
4	Bridge ID	32768
5	Cost	19(0/2)
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW 2

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	Mac Address	0001.42D2.BD40
4	Bridge ID	32768
5	Cost	Root Bridge
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW 3

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	Mac Address	0001.42D2.BD40
4	Bridge ID	32768
5	Cost	19(0/3)
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

- Menjadi Root Bridge = SW 2 0/2 dan 0/3
- Menjadi Designated bridge = Sw1 dan sw 3 0/1 dan 0/2
- Menjadi root port =sw 1 0/2 dan sw3 0/3
- Menjadi designated port = sw1 0/1 dan sw3 0/2

- SW1 (0/1, 0/2,) ; SW2(0/1, 0/2, 0/3); SW3(0/1, 0/2, 0/3) = Forward
- SW1 (0/3)= Block