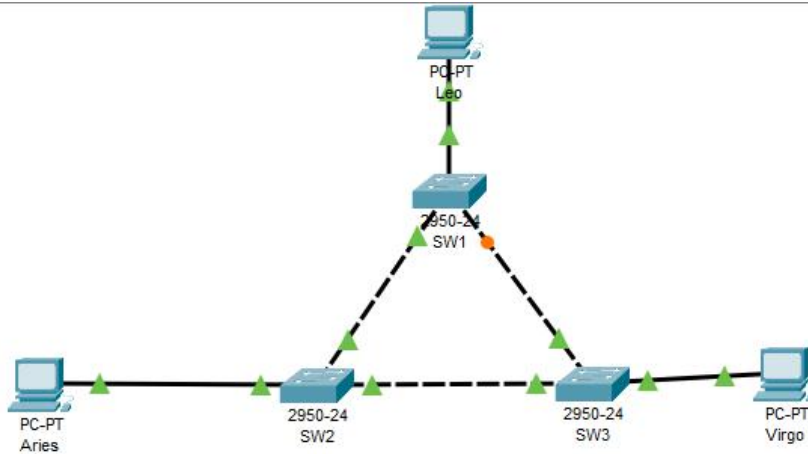


NAMA : NOVERA DYAH A.
NIM : L200180026
KELAS : A

MODUL 6

Kegiatan 1. Topologi 1



```
SW1
Physical Config CLI Attributes
IOS Command Line Interface
Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW1
SW1(config)#show spanning-tree
^
% Invalid input detected at '^' marker.
SW1(config)#show spanning-tree
^
% Invalid input detected at '^' marker.
SW1(config)#exit
SW1#
%SYS-5-CONFIG_I: Configured from console by console
SW1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0001.4375.992B
            Cost        19
            Port        2(FastEthernet0/2)
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

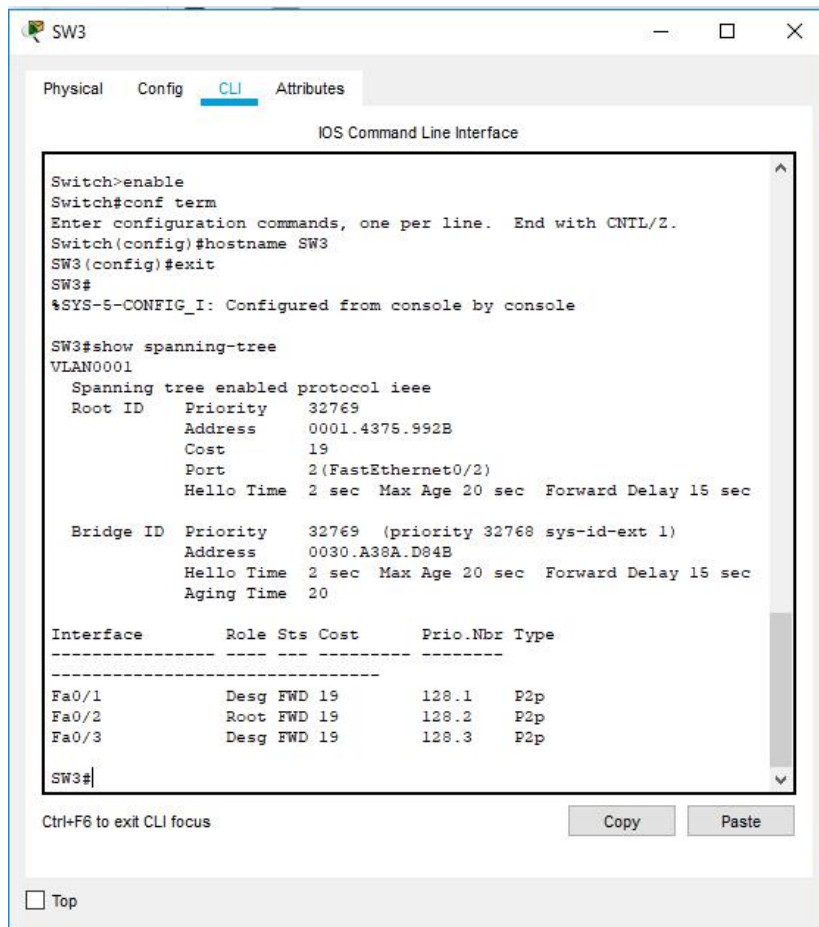
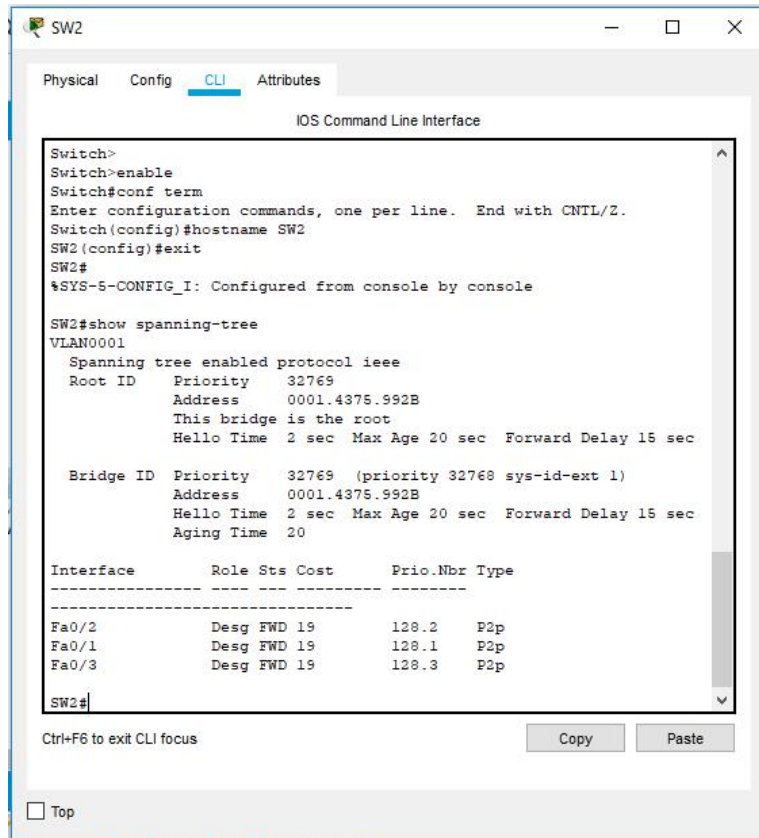
  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
            Address    0030.F236.D230
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time  20

Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/3        Altn BLK 19      128.3    F2p
Fa0/1        Desg FWD 19      128.1    F2p
Fa0/2        Root FWD 19      128.2    F2p
SW1#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top



SW 1

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	32769
3.	MAC address	0001.4375.992B
4.	Bridge ID	32769
5.	Cost(0/1; 0/2; 0/3)	19
6.	Hello Time	2
7.	MaxAge	20 sec
8.	Forward Delay	15 sec

SW 2

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	32769
3.	MAC Address	0001.4375.992B
4.	Bridge ID	32769
5.	Cost(0/1; 0/2; 0/3)	19
6.	Hello Time	2
7.	MaxAge	20 sec
8.	Forward Delay	15 sec

SW 3

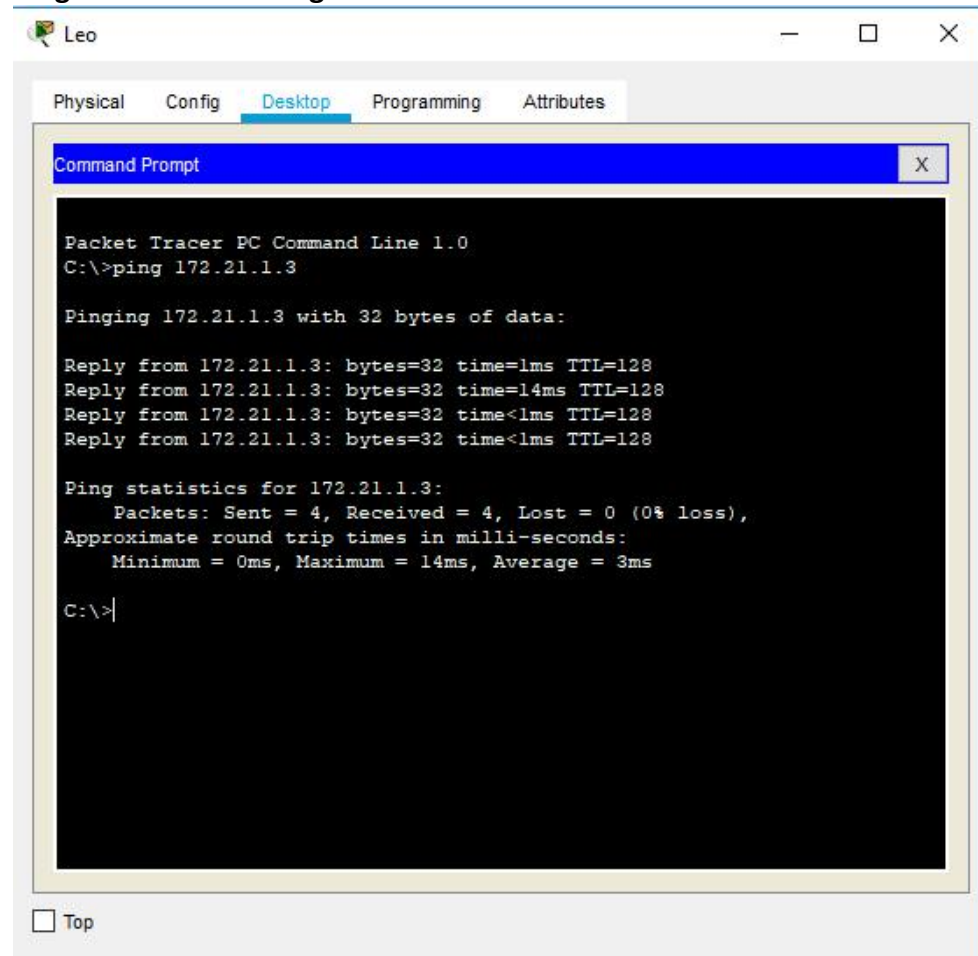
No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	32769
3.	MAC Address	0001.4375.992B
4.	Bridge ID	32769
5.	Cost(0/1; 0/2; 0/3)	19
6.	Hello Time	2
7.	MaxAge	20 sec
8.	Forward Delay	15 sec

Tugas 4

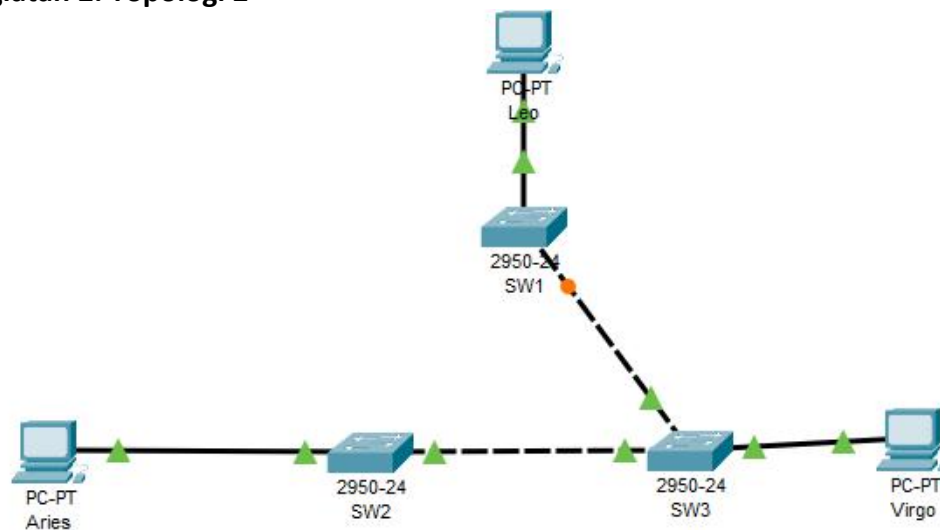
Pada kondisi Default tersebut, switch dan port mana saja yang :

- Menjadi root bridge : **SW 2**
- Menjadi designated bridge : **SW 3**
- Menjadi root port : **SW1(0/2), SW 3(0/2)**
- Berada pada keadaan forwarding : **SW1(0/1, 0/2), SW2(0/1,0/2,0/3), SW3(0/1,0/2,0/2)**
- Berada pada keadaan blocking : **SW1(0/3)**

Ping dari PC Leo ke Virgo



Kegiatan 2. Topologi 2



SW1

Physical

Config

CLI

Attributes

IOS Command Line Interface

%LINK-3-UPDOWN: Interface FastEthernet0/2, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to down

SW1>show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

Root ID Priority 32769

Address 0001.4375.992B

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 0030.F236.D230

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

SW1>

Ctrl+F6 to exit CLI focus

Copy

Paste

☐ Top

SW2

Physical

Config

CLI

Attributes

IOS Command Line Interface

%LINK-3-UPDOWN: Interface FastEthernet0/2, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to down

SW2>show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

Root ID Priority 32769

Address 0001.4375.992B

This bridge is the root

Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec

Bridge ID Priority 32769 (priority 32768 sys-id-ext 1)

Address 0001.4375.992B

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

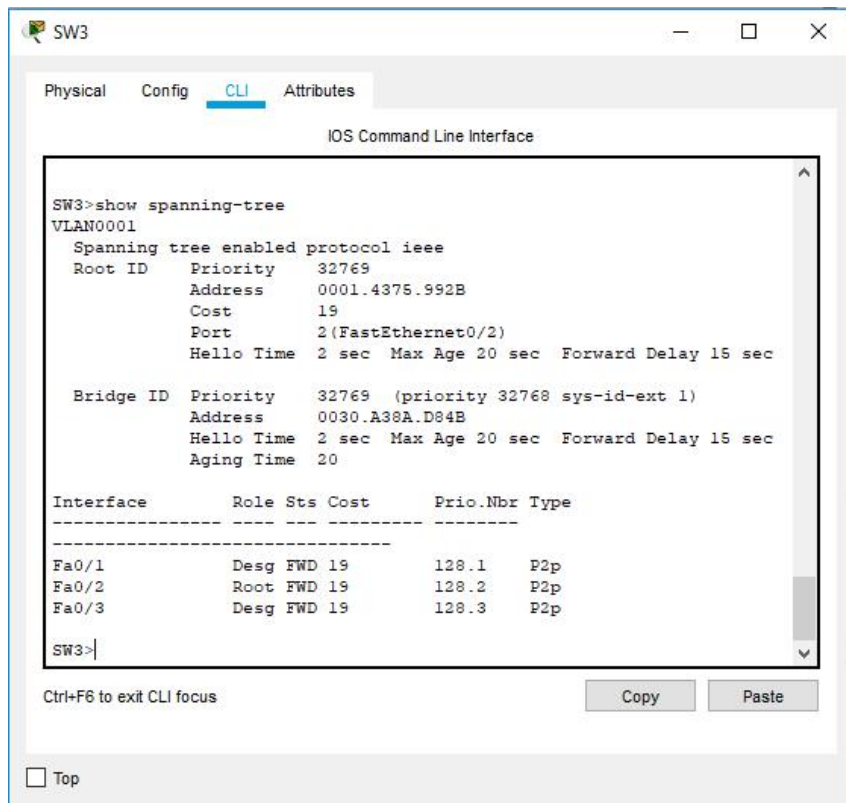
SW2>

Ctrl+F6 to exit CLI focus

Copy

Paste

☐ Top



SW 1

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	32769
4.	MAC address	0001.4375.992B
4.	Bridge ID	32769
5.	Cost(0/1; 0/2; 0/3)	19
6.	Hello Time	2
7.	MaxAge	20 sec
8.	Forward Delay	15 sec

SW 2

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	32769
3.	MAC Address	0001.4375.992B
4.	Bridge ID	32769
5.	Cost(0/1; 0/2; 0/3)	19
6.	Hello Time	2
7.	MaxAge	20 sec
8.	Forward Delay	15 sec

SW 3

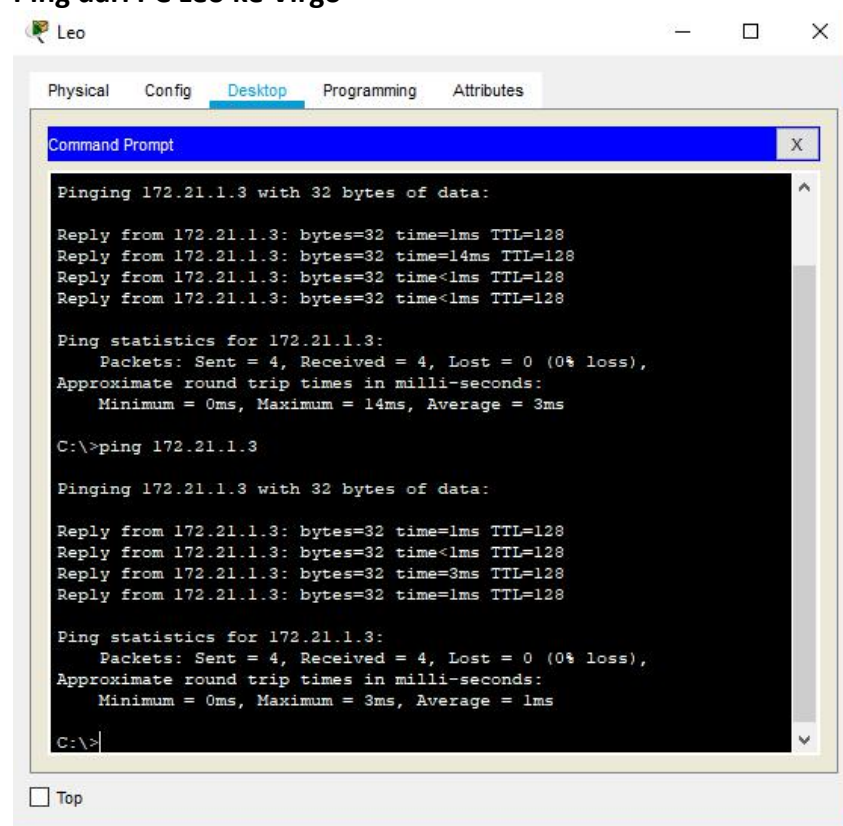
No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	32769
3.	MAC Address	0001.4375.992B
4.	Bridge ID	32769
5.	Cost(0/1; 0/2; 0/3)	19
6.	Hello Time	2
7.	MaxAge	20 sec
8.	Forward Delay	15 sec

Tugas 4

Pada kondisi Default tersebut, switch dan port mana saja yang :

- Menjadi root bridge : **SW 2**
- Menjadi designated bridge : **SW 3**
- Menjadi root port : **SW1(0/2), SW 3(0/2)**
- Berada pada keadaan forwarding : **SW1(0/1, 0/2), SW2(0/1,0/2,0/3), SW3(0/1,0/2,0/2)**
- Berada pada keadaan blocking : **SW1(0/3)**

Ping dari PC Leo ke Virgo



```
Leo
Physical Config Desktop Programming Attributes
Command Prompt
Pinging 172.21.1.3 with 32 bytes of data:
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=14ms 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
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 = 14ms, Average = 3ms
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=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=3ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms 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 = 3ms, Average = 1ms
C:\>
```