

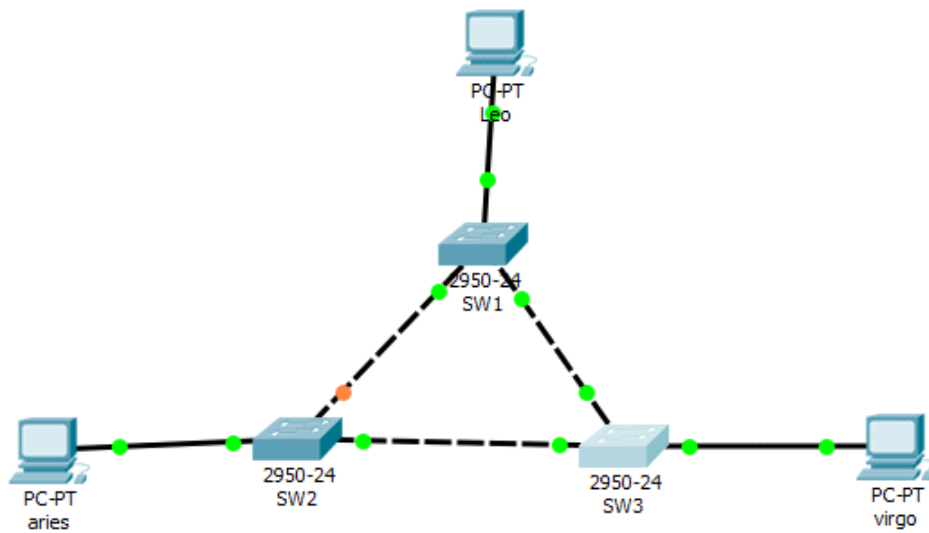
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NIM : L200170007

Kelas : A

Modul : 6

### Kegiatan 1



```

Switch>en
Switch#show sp
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.9764.182C
            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     0004.9A02.402D
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

            Aging Time  20

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

```

```

Switch>en
Switch#show sp
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.9764.182C
            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     00E0.F960.2936
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

            Aging Time  20

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

```

```

Switch>en
Switch#show sp
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.9764.182C
            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     0001.9764.182C
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

            Aging Time  20

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

```

## SW 1

Root ID : 32769, 0001.9764.182C

Priority : 32769

MAC Addres : 0001.9764.182C

Bridge Id : 32769, 0001.9764.182C

Cost : 19

Hello time : 2 sec

MaxAge : 20 sec

Forward Delay : 15

INTERFACE	ROLE	STS	COST
Fa 0/3	Desg	FWD	19
Fa 0/2	Root	FWD	19
Fa 0/1	Desg	FWD	19

## SW 2

Root ID : 32769, 0001.9764.182C

Priority : 32769

MAC Address : 0001.9764.182C

Bridge Id : 32769, 0001.9764.182C

Cost : 19

Hello time : 2 sec

MaxAge : 20 sec

Forward Delay : 15

INTERFACE	ROLE	STS	COST
Fa 0/1	Altn	BLK	19
Fa 0/2	Desg	FWD	19
Fa 0/3	Root	FWD	19

## SW 3

Root ID : 32769, 0001.9764.182C

Priority : 32769

MAC Address : 0001.9764.182C

Bridge Id : 32769, 0001.9764.182C

Cost : 19

Hello time : 2 sec

MaxAge : 20 sec

Forward Delay : 15

INTERFACE	ROLE	STS	COST
-----------	------	-----	------

Fa 0/3	Desg	FWD	19
Fa 0/2	Desg	FWD	19
Fa 0/1	Desg	FWD	19

4C.

**Root brige** : SW 3

**Designated bridge** : SW3(Fa 0/1, Fa 0/2, Fa 0/3)

**Root port** : SW1(Fa 0/2) dan SW2(Fa 0/3)

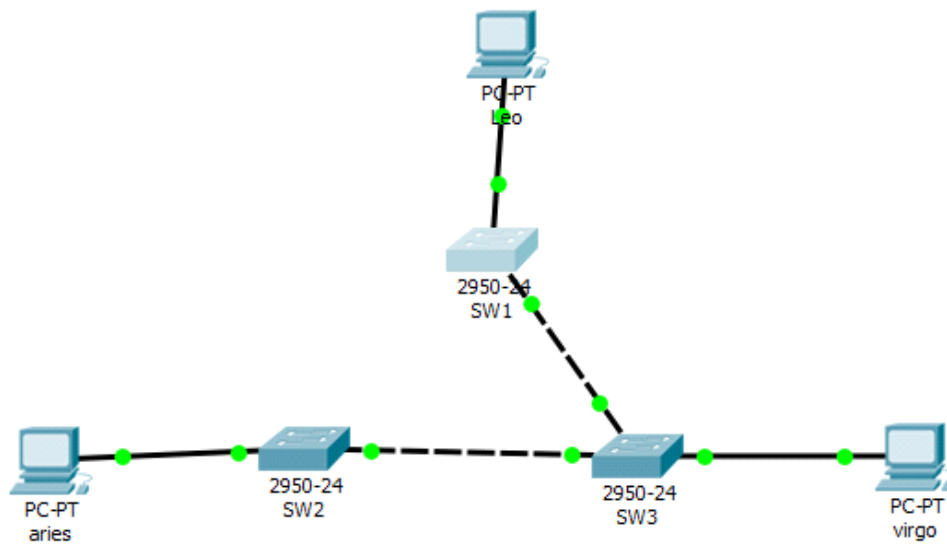
**Designated port** : SW1 (Fa 0/3, Fa 0/1) dan SW2 (Fa 0/2)

4D

**Keadaan forwading** : SW1 dan SW 3

**Keadaan bocking** : SW2

**Kegiatan 2**



# IOS Command Line Interface

```

Switch>en
Switch#show sp
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.9764.182C
            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     0004.9A02.402D
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

            Aging Time  20

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

## IOS Command Line Interface

```

Switch>en
Switch#show sp
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.9764.182C
            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     00E0.F960.2936
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

            Aging Time  20

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

The screenshot shows a network switch window titled 'SW3'. It has tabs for 'Physical', 'Config', 'CLI', and 'Attributes'. The 'CLI' tab is active, displaying the 'IOS Command Line Interface'. The command sequence entered is:

```
Switch>en
Switch#show sp
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0001.9764.182C
            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    0001.9764.182C
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
            Aging Time  20
```

Below this, a table shows the STP status for interfaces Fa0/3, Fa0/2, and Fa0/1:

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

The prompt returns to 'Switch#'. At the bottom, there is a status bar with 'Ctrl+F6 to exit CLI focus' and buttons for 'Conv' and 'Paste'.

## SW 1

Root ID : 32769, 0001.9764.182C

Priority : 32769

MAC Address : 0001.9764.182C

Bridge Id : 32769, 0001.9764.182C

Cost : 19

Hello time : 2 sec

MaxAge : 20 sec

Forward Delay : 15

INTERFACE	ROLE	STS	COST
Fa 0/3	Desg	FWD	19

Fa 0/2	Root	FWD	19
--------	------	-----	----

### SW 2

Root ID : 32769, 0001.9764.182C

Priority : 32769

MAC Address : 0001.9764.182C

Bridge Id : 32769, 0001.9764.182C

Cost : 19

Hello time : 2 sec

MaxAge : 20 sec

Forward Delay : 15

INTERFACE	ROLE	STS	COST
Fa 0/3	Desg	FWD	19
Fa 0/1	Desg	FWD	19

### SW 3

Root ID : 32769, 0001.9764.182C

Priority : 32769

MAC Address : 0001.9764.182C

Bridge Id : 32769, 0001.9764.182C

Cost : 19

Hello time : 2 sec

MaxAge : 20 sec

Forward Delay : 15

INTERFACE	ROLE	STS	COST
Fa 0/3	Desg	FWD	19



Fa 0/2	Desg	FWD	19
Fa 0/1	Desg	FWD	19

4C

**Root brige** : SW 3

**Designated bridge** : SW3 (Fa 0/1, Fa 0/2, Fa 0/3)

**Root port** : SW1 (Fa 0/2) dan SW2 (Fa 0/2)

**Designated port** : SW1 (Fa 0/3) dan SW2 (Fa 0/3)

4D

**Keadaan forwading** : SW1, SW2 dan SW 3

**Keadaan bocking** : -