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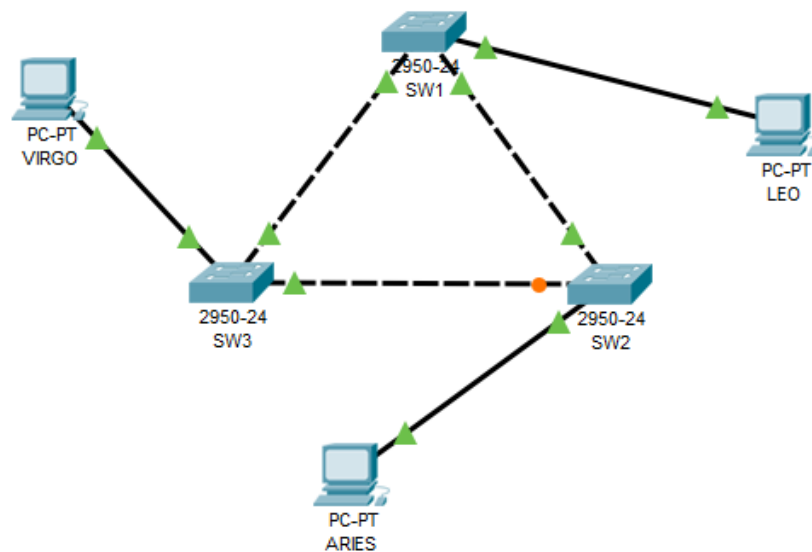
Kelas : A

Nim : L200170032

MODUL 6

SPANNING TREE PROTOCOL

Kegiatan 1



SW1

Physical

Config

CLI

Attributes

IOS Command Line Interface

changed state to up

Switch>enable

Switch#show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

Root ID Priority 32769

Address 0050.0FB9.8303

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 0050.0FB9.8303

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#

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SW2

Physical

Config

CLI

Attributes

IOS Command Line Interface

Switch>enable

Switch#show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

Root ID Priority 32769

Address 0050.0FB9.8303

Cost 19

Port 1(FastEthernet0/1)

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

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

Address 00E0.F92E.3EB4

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

Aging Time 20

Interface Role Sts Cost Prio.Nbr Type

Fa0/2 Altn BLK 19 128.2 P2p

Fa0/3 Desg FWD 19 128.3 P2p

Fa0/1 Root FWD 19 128.1 P2p

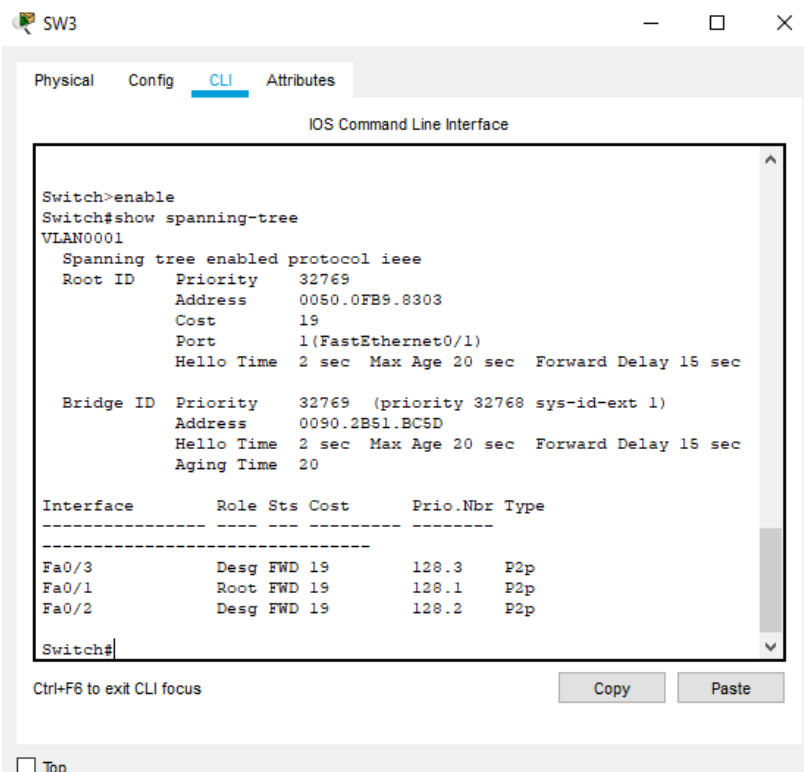
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SW 1

Root ID : 32769, 0050.0FB9.8303

Priority : 32769

MAC Addres : 0050.0FB9.8303

Bridge Id : 32769, 0050.0FB9.8303

Cost : - (THIS BRIDGE IS THE ROOT)

Hello time : 2 sec

Max Age : 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

SW 2

Root ID : 32769, 0050.0FB9.8303

Priority : 32769
MAC Address : 0050.0FB9.8303
Bridge Id : 32769, 00E0.2B51.BC5D
Cost : 19
Hello time : 2 sec
Max Age : 20 sec
Forward Delay : 15

Interface	Role	Sts	Cost
Fa 0/1	Root	FWD	19
Fa 0/2	Altn	BLK	19
Fa 0/3	Desg	FWD	19

SW 3

Root ID : 32769, 0004.9A5A.C8BE
Priority : 32769
MAC Address : 0004.9A5A.C8BE
Bridge Id : 32769, 0090.FFD7.04EA
Cost : 19
Hello time : 2 sec
Max Age : 20 sec
Forward Delay : 15

Interface	Role	Sts	Cost
Fa 0/3	Desg	FWD	19
Fa 0/1	Root	FWD	19
Fa 0/2	Desg	FWD	19

Root Bridge : SW 1
Designated bridge : SW 1 (Fa 0/1, Fa 0/2, Fa 0/3)

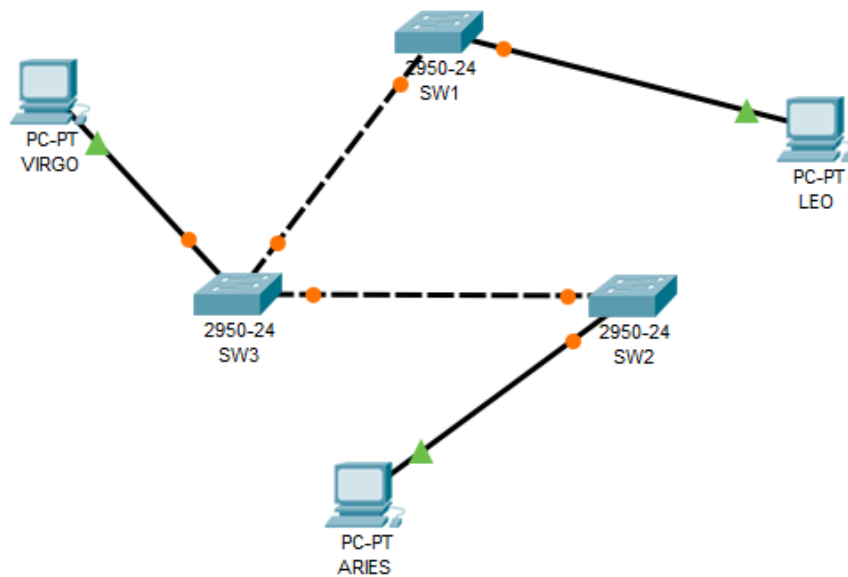
Root port : SW 2 (Fa 0/1) dan SW 3 (Fa 0/1)

Designated port : SW 2 (Fa 0/3) dan SW 3 (Fa 0/2, Ffa 0/3)

Berada pada kondisi *forwarding* : SW 1 dan SW 3

Berada pada kondisi *blocking* : SW 2

Kegiatan 2



SW1

Physical

Config

CLI

Attributes

IOS Command Line Interface

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

Switch>enable

Switch#show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

Root ID Priority 32769

Address 0050.0FB9.8303

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 0050.0FB9.8303

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

Switch#

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SW2

Physical

Config

CLI

Attributes

IOS Command Line Interface

changed state to down

Switch>enable

Switch#show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

Root ID Priority 32769

Address 0050.0FB9.8303

Cost 38

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.F92E.3EB4

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

Aging Time 20

Interface Role Sts Cost Prio.Nbr Type

Fa0/2 Root FWD 19 128.2 P2p

Fa0/3 Desg FWD 19 128.3 P2p

Switch#

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SW3

Physical

Config

CLI

Attributes

IOS Command Line Interface

Switch>enable

Switch#show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

Root ID Priority 32769

Address 0050.0FB9.8303

Cost 19

Port 1(FastEthernet0/1)

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

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

Address 0090.2B51.BC5D

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

Fa0/1 Root FWD 19 128.1 P2p

Fa0/2 Desg FWD 19 128.2 P2p

Switch#

Ctrl+F6 to exit CLI focus

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SW 1

Root ID : 32769, 0050.0FB9.8303
Priority : 32769
MAC Address : 0050.0FB9.8303
Bridge Id : 32769, 0050.0FB9.8303
Cost : -(THIS BRIDGE IS THE ROOT)
Hello time : 2 sec
Max Age : 20 sec
Forward Delay : 15

Interface	Role	Sts	Cost
Fa 0/2	Desg	FWD	19
Fa 0/3	Desg	FWD	19

SW 2

Root ID : 32769, 0050.0FB9.8303
Priority : 32769
MAC Address : 0050.0FB9.8303
Bridge Id : 32769, 00E0.F29E.3EB4
Cost : 38
Hello time : 2 sec
Max Age : 20 sec
Forward Delay : 15

Interface	Role	Sts	Cost
Fa 0/2	Root	FWD	19
Fa 0/3	Desg	FWD	19

SW 3

Root ID : 32769, 000D.BD72.A792

Priority : 32769

MAC Address : 000D.BD72.A792

Bridge Id : 32769, 0090.2B51.BC5D

Cost : 19

Hello time : 2 sec

Max Age : 20 sec

Forward Delay : 15

Interface	Role	Sts	Cost
Fa 0/1	Root	FWD	19
Fa 0/2	Desg	FWD	19
Fa 0/3	Desg	FWD	19

Root Bridge : SW 2

Designated Bridge : SW 1 (Fa 0/2 dan Fa 0/3)

Root port : SW 2 (Fa 0/2) dan SW 3 (Fa 0/1)

Designated Port : SW 1 (Fa 0/2 dan Fa 0/3) dan SW 3 (Fa 0/2, Fa 0/3)

Berada pada kondisi *forwarding* : SW 1 , SW 2 dan SW 3

Berada pada kondisi *blocking* : -