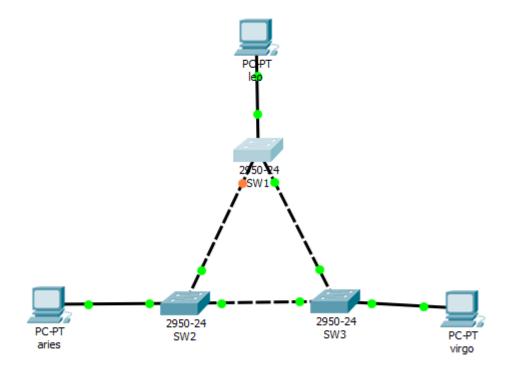
Nama: Roni Ardianzah

NIM : L200170073

Kelas : B

MODUL 6 SPANING TREE PROTOCOL

A. Kegiatan 1



• Melihat spanning tree pada masing server.

```
Switch#show spanning-tree
VLAN0001
 Spanning tree enabled protocol ieee
             Priority 32769
Address 0030.F2EA.128B
 Root ID
             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 0060.7007.E2A3
             Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
             Aging Time 20
                Role Sts Cost Prio.Nbr Type
Interface
               Root FWD 19 128.3 P2p
Desg FWD 19 128.1 P2p
Altn BLK 19 128.2 P2p
Fa0/3
Fa0/1
Fa0/2
Switch#
```

Spanning tree enabled protocol ieee Root ID							
Spanning tree enabled protocol ieee Root ID	Switch#show spanning-tree			^			
Root ID	VLAN0001						
Address 0030.F2EA.128B 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 0040.0BC6.571A Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec Aging Time 20 Interface Role Sts Cost Prio.Nbr Type	Spanning to	ree enabled	protoco:	l ieee			
Address 0030.F2EA.128B 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 0040.0BC6.571A Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec Aging Time 20 Interface Role Sts Cost Prio.Nbr Type	Root ID	Priority	32769				
Cost 19		_		2EA.128B			
Port 2 (FastEthernet0/2)							
Hello Time 2 sec Max Age 20 sec Forward Delay 15 Bridge ID Priority 32769 (priority 32768 sys-id-ext 1) Address 0040.0BC6.571A Hello Time 2 sec Max Age 20 sec Forward Delay 15 Bec Aging Time 20 Interface Role Sts Cost Prio.Nbr Type				Tthernet()/2)			
Bridge ID Priority 32769 (priority 32768 sys-id-ext 1)					ec Forward	Delaw 15	
Bridge ID Priority 32769 (priority 32768 sys-id-ext 1)	l	neilo iime	2 360	Max Age 20 3	sec rorward	Delay 15	
Address 0040.0BC6.571A	sec						
Address 0040.0BC6.571A	Desides ID	Deignien	22760	(maioritu 22	760	1\	
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec Aging Time 20 Interface Role Sts Cost Prio.Nbr Type	Briage ID	_		-	. / 00 BAR-IG-	ext I)	
Aging Time 20 Interface Role Sts Cost Prio.Nbr Type					_		
Aging Time 20 Interface Role Sts Cost Prio.Nbr Type		Hello lime	2 sec	Max Age 20 s	sec forward	петай та	
Interface Role Sts Cost Prio.Nbr Type	sec						
Fa0/1 Desg FWD 19 128.1 P2p Fa0/3 Desg FWD 19 128.3 P2p		Aging Time	20				
Fa0/1 Desg FWD 19 128.1 P2p Fa0/3 Desg FWD 19 128.3 P2p							
Fa0/3 Desg FWD 19 128.3 P2p	Interface	Role St	s Cost	Prio.Nbr	Type		
Fa0/3 Desg FWD 19 128.3 P2p					-		
Fa0/3 Desg FWD 19 128.3 P2p				-			
	Fa0/1	Desg FW	D 19	128.1	P2p		
FaO/2 Root FWD 19 128.2 P2p	Fa0/3	Desg FW	D 19	128.3	P2p		-
	Fa0/2	Root FW	D 19	128.2	P2p		
Switch#	Switch#						+

```
rau/I besg rwb is 128.1 P2p
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
 Root ID
           Priority 32769
             Address
                        0030.F2EA.128B
             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 0030.F2EA.128B
             Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
             Aging Time 20
               Role Sts Cost Prio.Nbr Type
Interface
              Desg FWD 19 128.3 P2p
Desg FWD 19 128.2 P2p
Desg FWD 19 128.1 P2p
Fa0/2
Fa0/1
Switch#
```

Tabel status STP pada masing-masing Switch :

SW1

No	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Adrress	0030.F2EA.128B
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

SW2

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Adrress	0030.F2EA.128B
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Adrress	0030.F2EA.128B
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	-
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

• Hasil ping dari leo ke virgo

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

Pinging 172.21.1.3 with 32 bytes of data:

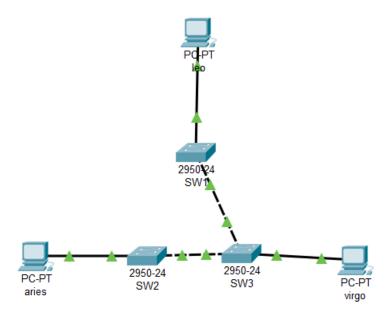
Reply from 172.21.1.3: bytes=32 time=11ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128

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 = 11ms, Average = 3ms

C:\>
```

B. Kegiatan 2



Melihat masing2 server

SW 1

FaU/3	KOOT FW	D 19	128.3 PZ)	^
Switch#show	spanning-tre	e			
VLAN0001					
Spanning t	ree enabled	protoco	l ieee		
Root ID	Priority	32769			
	Address	0001.9	71D.410A		
	Cost	19			
	Port	3 (Fast	Ethernet0/3)		
	Hello Time	2 sec	Max Age 20 sec	Forward Delay 15	
sec					
Bridge ID	Priority Address		(priority 32768 33B.3983	sys-id-ext 1)	
	Hello Time	2 sec	Max Age 20 sec	Forward Delay 15	
sec					
	Aging Time	20			
Interface	Role St	s Cost	Prio.Nbr Typ	e	
			-		
	_		128.1 P2p		
Fa0/3	Root FW	D 19	128.3 P2p)	
Switch#					~

SW₃

Fa0/3	Desg FWD 19 128.3 P2p	^
Switch#show	spanning-tree	
VLAN0001		
Spanning t	ree enabled protocol ieee	
Root ID	Priority 32769	
	Address 0001.971D.410A	
	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 0001.971D.410A	
	Hello Time 2 sec Max Age 20 sec Forward Delay 15	
sec	Aging Time 20	
	Aging lime 20	
Interface	Role Sts Cost Prio.Nbr Type	
Fa0/2	Desg FWD 19 128.2 P2p	
Fa0/1	Desg FWD 19 128.1 P2p	
Fa0/3	Desg FWD 19 128.3 P2p	
Switch#		~

• Tabel status STP pada masing-masing Switch :

SW 1

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Adrress	0001.971D.410A
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

SW 2

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Adrress	0001.971D.410A
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

SW 3

no	variable	nilai
1	Root ID	32769
2	Priority	32769
3	MAC Adrress	0001.971D.410A
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	-
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15

• Hasil ping dari leo ke virgo

