

MODUL 5

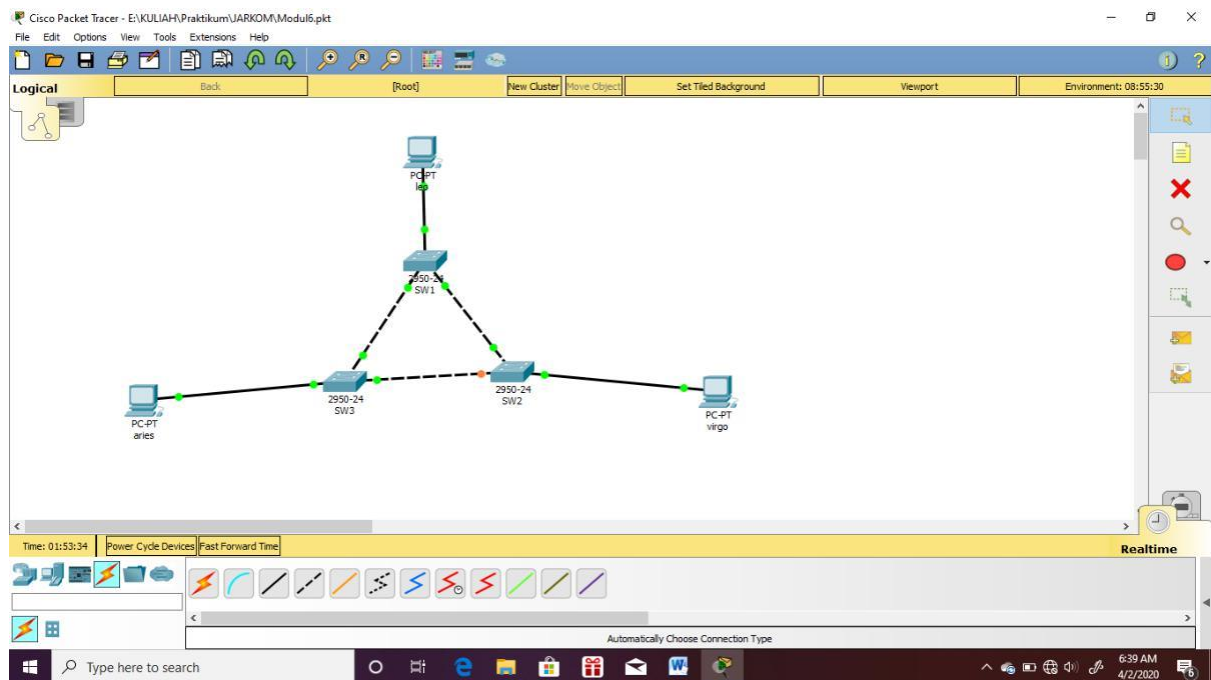
NIM : L200184044

Nama : Muhammad Rosyad Adi Pratama

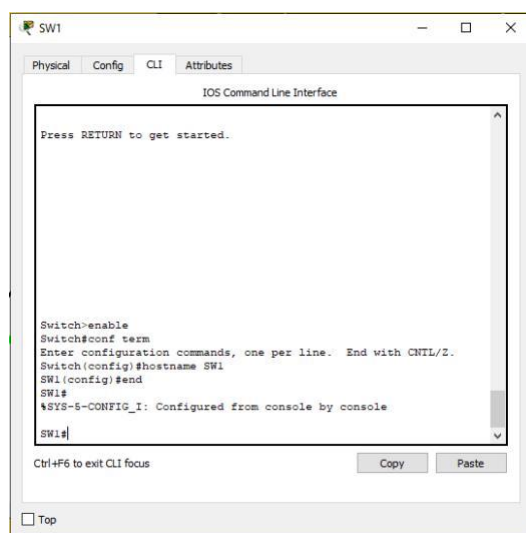
Kelas : E / Praktikum Jaringan Komputer

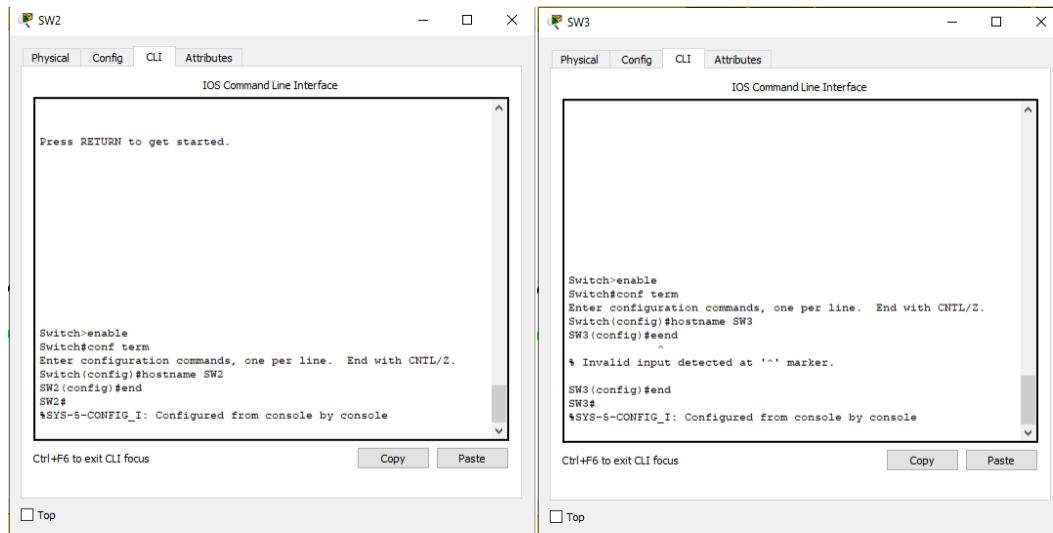
Kegiatan 1. Topologi 1

1A.

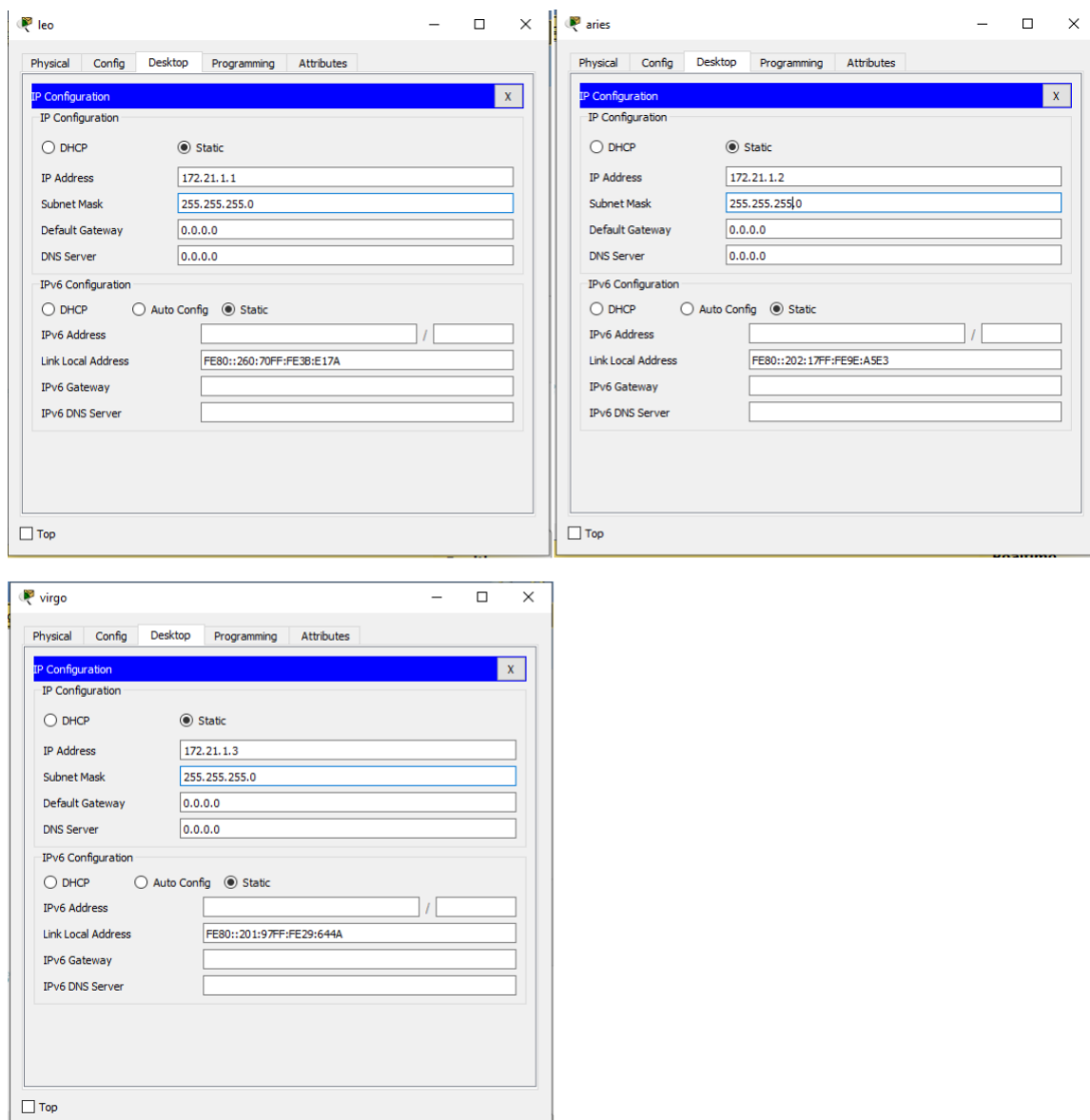


2A. Mengubah nama Switch dengan mode user atau privilege

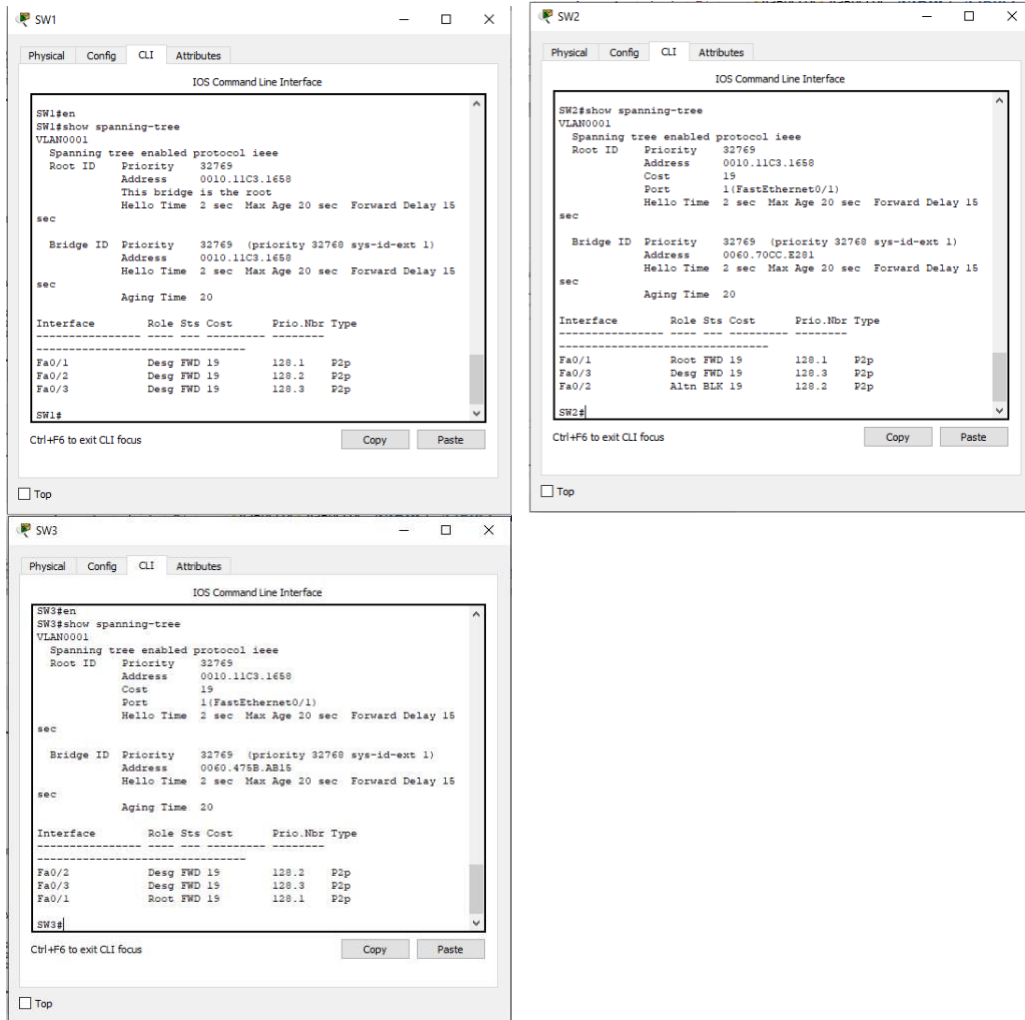




c. Konfigurasi PC



d.



4B.

No	Variabel (SW1)	Nilai
1	Root ID	32769.0010.11C3.1658
2	Priority	32769
3	MAC Address	0010.11C3.1658
4	Bridge ID	32769.0010.11C3.1658
5	Cost(0/1; 0/2; 0/3)	19; 19; 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

No	Variabel (SW2)	Nilai
1	Root ID	32769.0010.11C3.1658
2	Priority	32769
3	MAC Address	0060.70CC.E281
4	Bridge ID	32769.0060.70CC.E281
5	Cost(0/1; 0/2; 0/3)	19; 19; 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

No	Variabel (SW3)	Nilai
1	Root ID	32769. 0010.11C3.1658
2	Priority	32769
3	MAC Address	0060.475B.AB15
4	Bridge ID	32769.0060.475B.AB15
5	Cost(0/1; 0/2; 0/3)	19; 19; 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

4C.

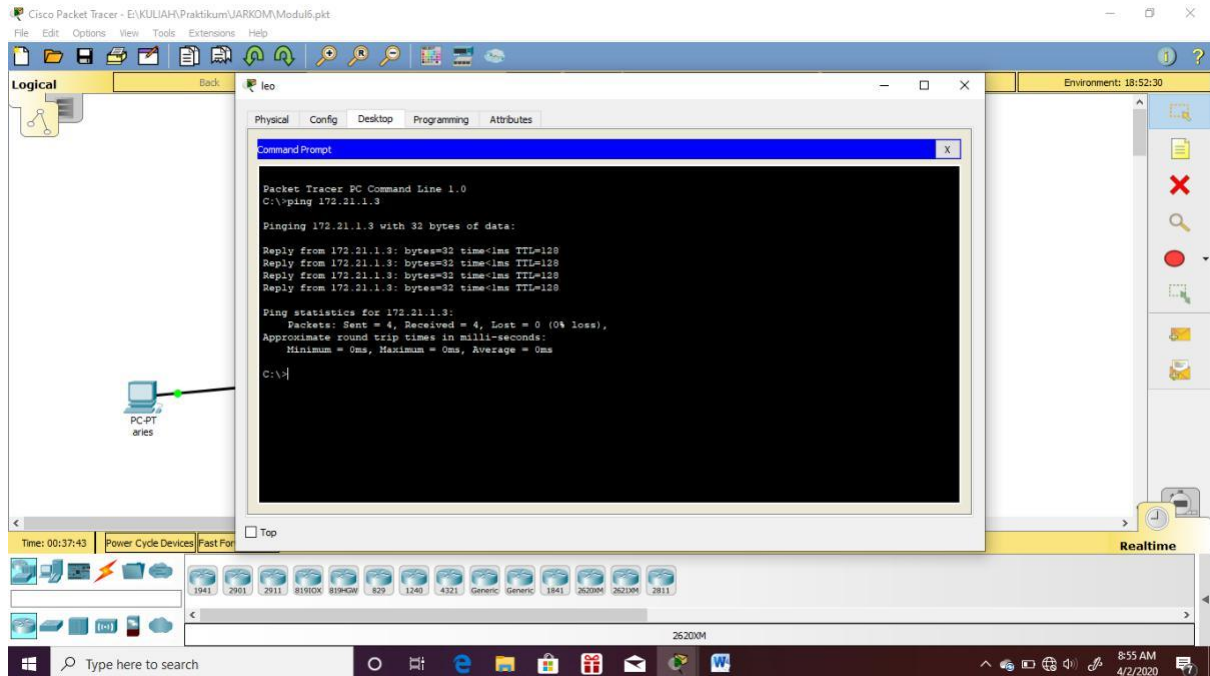
- Menjadi root bridge : SW1
- Menjadi designated bridge : SW2 dan SW3
- Menjadi root port : SW2 : (Fa 0/1) dan SW3 : (Fa 0/1)
- Menjadi designated port : SW1 : (Fa 0/1, Fa 0/2, Fa 0/3); SW2 : (Fa 0/3); SW3 : (Fa 0/2, Fa 0/3)

4D.

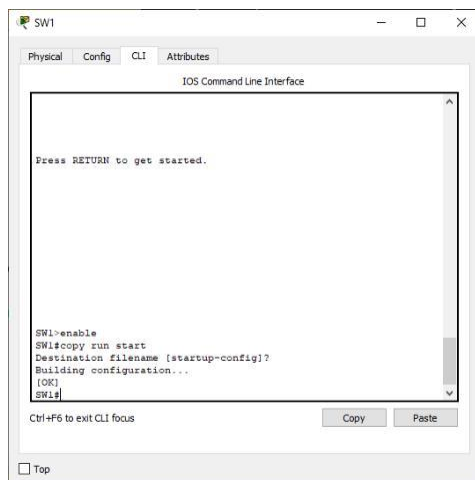
- Berada pada keadaan forwarding : SW1 : (Fa 0/1, Fa 0/2, Fa 0/3); SW2 : (Fa 0/1, Fa 0/3); SW3 : (Fa 0/1, Fa 0/2, Fa 0/3).
- Berada pada keadaan blocking : SW2 (Fa 0/2)

5A. langkah pingging PC Leo ke PC Virgo

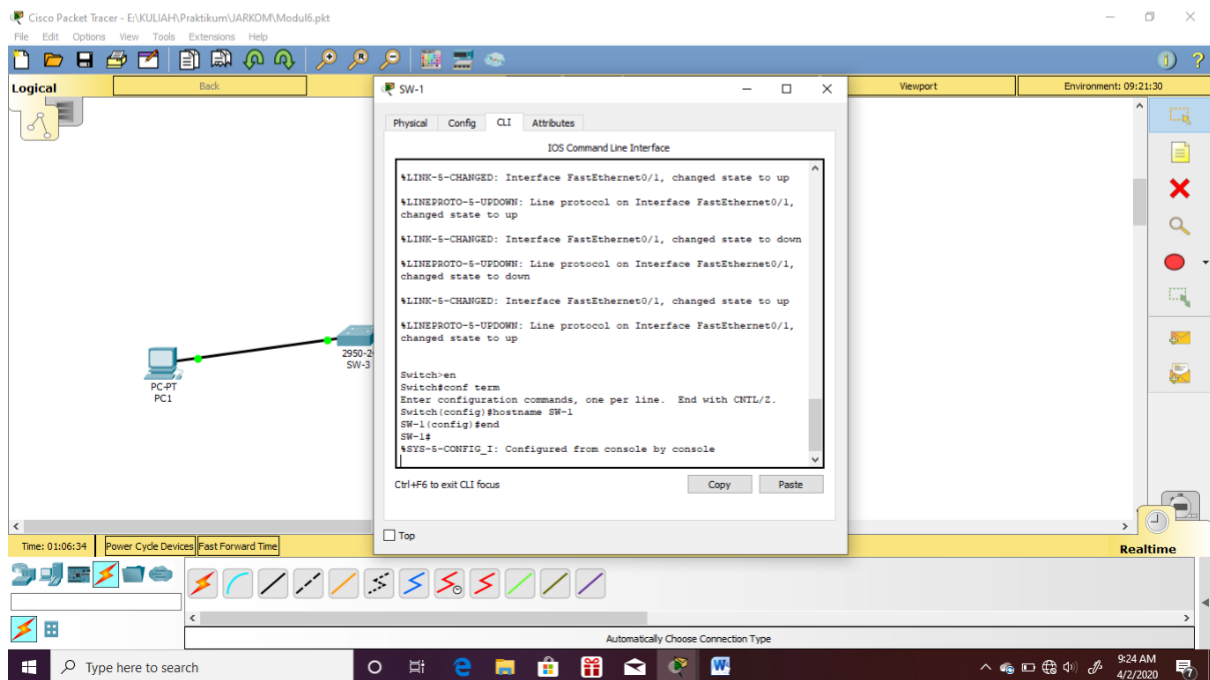
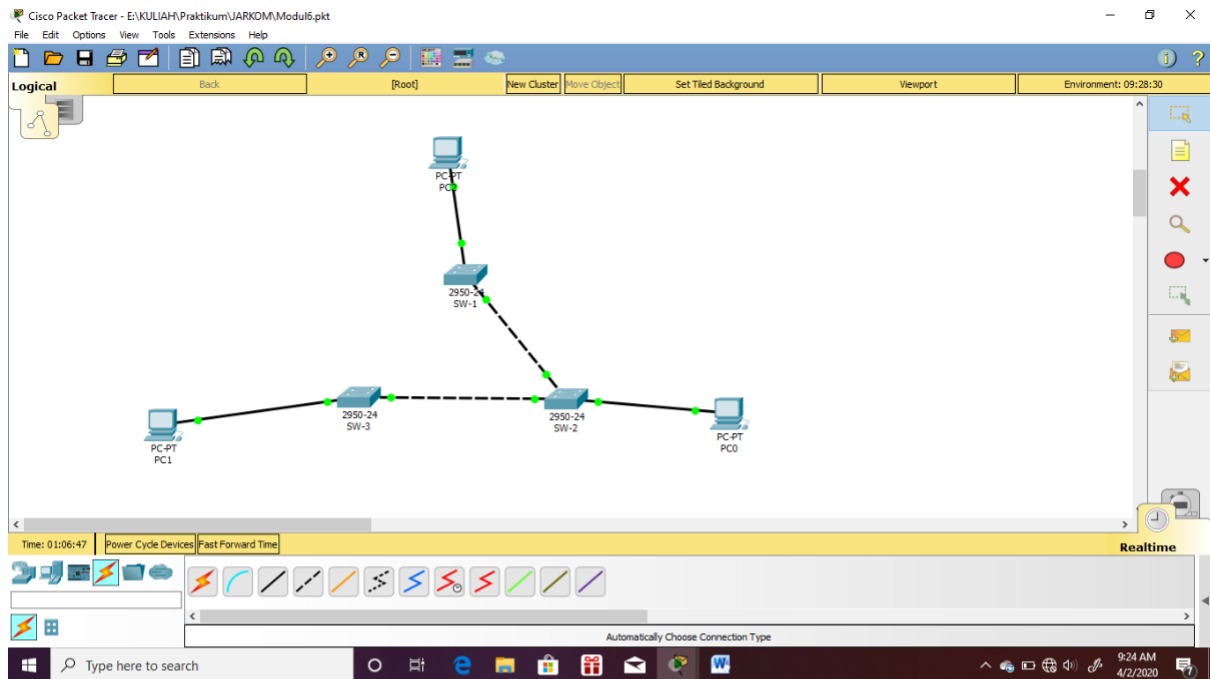
Masuk ke PC leo -> klik desktop -> pilih cmd -> ketik 'ping 172.21.1.3'.



6A.



Kegiatan 2. Topologi 2



Melihat status STP

SW-1

Physical Config CLI Attributes

IOS Command Line Interface

Switch>en
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW-1
SW-1(config)#end
SW-1#
%SYS-5-CONFIG_I: Configured from console by console

SW-1#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 32769
Address 0001.6382.CE45
Cost 38
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 0009.7C53.9C25
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Aging Time 20

Interface Role Sts Cost Prio.Nbr Type

Fa0/2 Desg FWD 19 128.3 P2p
Fa0/1 Root FWD 19 128.1 P2p
SW-1#

Ctrl+F6 to exit CLI focus

Copy Paste

Top

SW-2

Physical Config CLI Attributes

IOS Command Line Interface

Switch>en
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW-2
SW-2(config)#end
SW-2#
%SYS-5-CONFIG_I: Configured from console by console

SW-2#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 32769
Address 0001.6382.CE45
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.A397.3567
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 Desg FWD 19 128.1 P2p
Fa0/2 Root FWD 19 128.2 P2p
SW-2#

Ctrl+F6 to exit CLI focus

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Top

SW-3

Physical Config CLI Attributes

IOS Command Line Interface

Switch>en
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW-3
SW-3(config)#end
SW-3#
%SYS-5-CONFIG_I: Configured from console by console

SW-3#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 32769
Address 0001.6382.CE45
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 0001.6382.CE45
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Aging Time 20

Interface Role Sts Cost Prio.Nbr Type

Fa0/2 Desg FWD 19 128.3 P2p
Fa0/1 Desg FWD 19 128.1 P2p
SW-3#

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Table

No	Variabel (SW-1)	Nilai
1	Root ID	32769.0001.6382.CE45
2	Priority	32769
3	MAC Address	0009.7C93.9C25
4	Bridge ID	32769.0009.7C93.9C25
5	Cost(0/1; 0/2; 0/3)	19; 19; -
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

No	Variabel (SW-2)	Nilai
1	Root ID	32769.0001.6382.CE45
2	Priority	32769
3	MAC Address	00E0.A397.3567
4	Bridge ID	32769.00E0.A397.3567
5	Cost(0/1; 0/2; 0/3)	19; 19; 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

No	Variabel (SW-2)	Nilai
1	Root ID	32769.0001.6382.CE45
2	Priority	32769
3	MAC Address	0001.6382.CE45
4	Bridge ID	32769.0001.6382.CE45
5	Cost(0/1; 0/2; 0/3)	19; 19; -
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

- Root bridge :SW-3
- Designated bridge : SW - 2
- Root port : SW - 1 (Fa 0/1); SW - 2 (Fa 0/2)
- Designated port : SW - 1 (Fa 0/2); SW - 2 (Fa 0/1, Fa 0/3); SW - 3 (Fa 0/1, Fa 0/2)
- Forwarding : SW – 1 (Fa 0/1, Fa 0/2); SW – 2(Fa 0/1, Fa 0/2, Fa 0/3); SW – 3 (Fa 0/1, Fa 0/2)
- Blocking : tidak ada

Menyimpan konfig

