

NAMA : NOVI TRISTANTI

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KELAS : D

KEGIATAN 1

1. Tugas 1A

- Buat 3 switch 2950-24 sebanyak 3 buah, beri nama SW1, SW2 dan SW3.
- Lalu buat 3 PC dan beri nama Leo, Aries, dan Virgo.
- Hubungkan switch dan pc menggunakan kabel copper straight-through
- Hubungkan juga sesama switch dengan kabel copper straight-through

2. Tugas 2A

- Cara memberi nama pada switch dan PC adalah dengan cara mengklik 2 kali pada tulisan dibawah switch dan PC. PC0 diganti menjadi Leo, PC2 diganti jadi Aries, dan PC3 diganti jadi Virgo.

3. Tugas 4A

- SW1

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW1
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    0000.0C7E.748A
              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    0090.2B8A.932D
              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
Fa0/2	Root	FWD	19	128.2	P2p
Fa0/3	Desg	FWD	19	128.3	P2p

```
SW1#|
```

- SW2

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW2
SW2(config)#exit
SW2#
%SYS-5-CONFIG_I: Configured from console by console

SW2#show spanning-tree
VLAN0001
    Spanning tree enabled protocol ieee
    Root ID      Priority      32769
                Address      0000.0C7E.748A
                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      0000.0C7E.748A
                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
Fa0/2          Desg FWD 19        128.2    P2p

SW2#
```

4. Tugas 4B

SW1

No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	0090.2B8A.932D
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW2

No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	0000.0C7E.748A
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW3

No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	00D0.97D6.6867
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

5. Tugas 4C

- Menjadi root bridge : SW2
- Menjadi designated bridge : SW1
- Menjadi root port : SW1 0/2 dan SW3 0/3
- Menjadi designated bridge : SW1 0/3

6. Tugas 4D

- Berada pada keadaan Forwarding : SW1 Dan SW3
- Berada pada keadaan blocking : SW3

7. Tugas 5A

Langkah melakukan ping Leo ke Virgo :

- Klik 2 kali pada PC Leo
- Lalu pilih dekstop dan klik command prompt
- tuliskan perintah "ping 172.21.1.3" lalu enter

8. Tugas 6A

- Pilih file lalu klik save
- Setelah itu pilih dimana anda ingin menyimpan file tersebut
- Beri nama lab2.nwc
- Lalu klik save

TUGAS 9A

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW1
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      0030.A3AA.6531
                  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.A3AA.6531
                  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
Fa0/2            Desg FWD 19           128.2   P2p

SW1#
```

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW2
SW2(config)#exit
SW2#
%SYS-5-CONFIG_I: Configured from console by console

SW2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID          Priority      32769
                 Address        0030.A3AA.6531
                 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        00D0.BC83.E999
                 Hello Time      2 sec   Max Age 20 sec   Forward Delay 15 sec
                 Aging Time      20

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

SW2#
```

Sw3 :

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW3
SW3(config)#exit
SW3#
%SYS-5-CONFIG_I: Configured from console by console

SW3#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address     0030.A3AA.6531
              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     00D0.9759.1ECE
              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        128.2   P2p
Fa0/1                    Root FWD 19        128.1   P2p
Fa0/3                    Desg FWD 19        128.3   P2p

SW3#
```

2. SW1 :

No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	0030.A3AA.6531
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19;19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW2 :

No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	00D0.BC83.E999
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19;19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW3 :

No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	00D0.9759.1ECE
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

3.

- Menjadi root bridge : -
- Menjadi designated bridge : SW2
- Menjadi root port : -
- Menjadi designated bridge : -

4.

- Berada pada keadaan Forwarding : SW1 Dan SW3
- Berada pada keadaan blocking : SW3

5. Langkah melakukan ping Leo ke Virgo :

- Klik 2 kali pada PC Leo
- Lalu pilih dekstop dan klik command prompt
- tuliskan perintah "ping 172.21.1.3" lalu enter