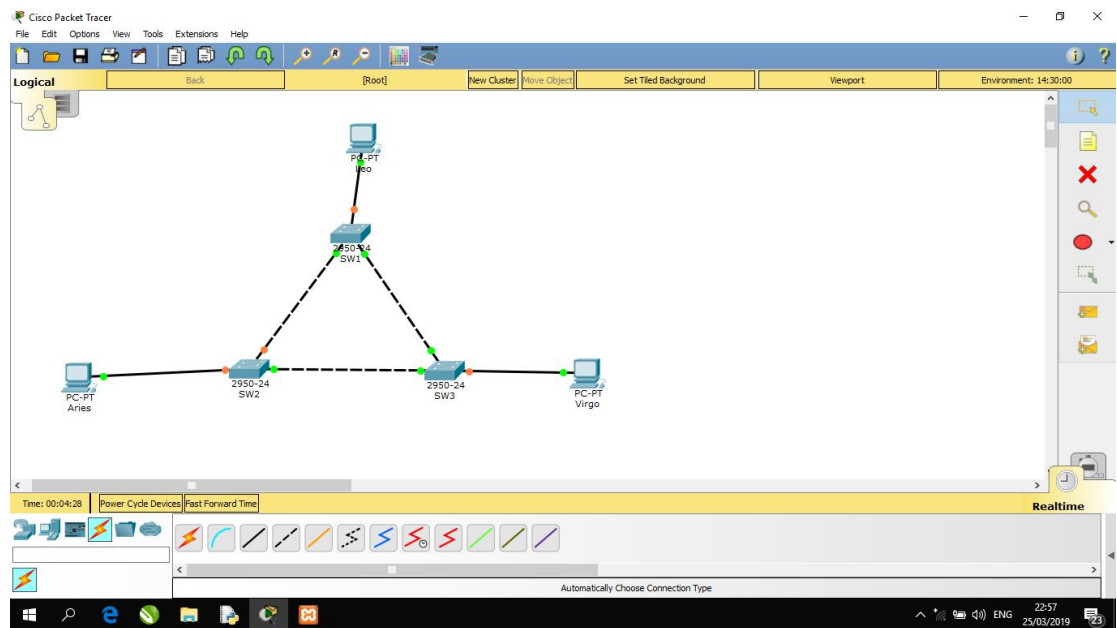


Nama : Giovanni Dani Saputra  
NIM : L200170159

## Kegiatan 1

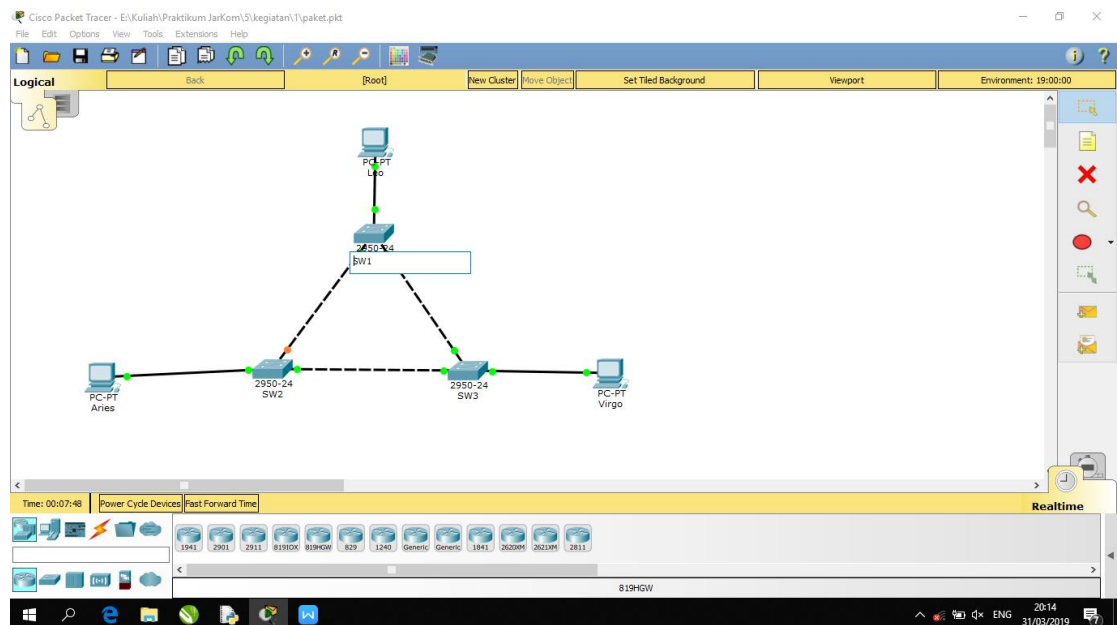
### Tugas 1a

- Memilih device : 3 PC dan 3 Switch 2950-24 letakkan dengan cara drag and drop.
- Meletakkan device sesuai dengan gambar.
- Menghubungkan tiap device dengan kabel.



### Tugas 2a

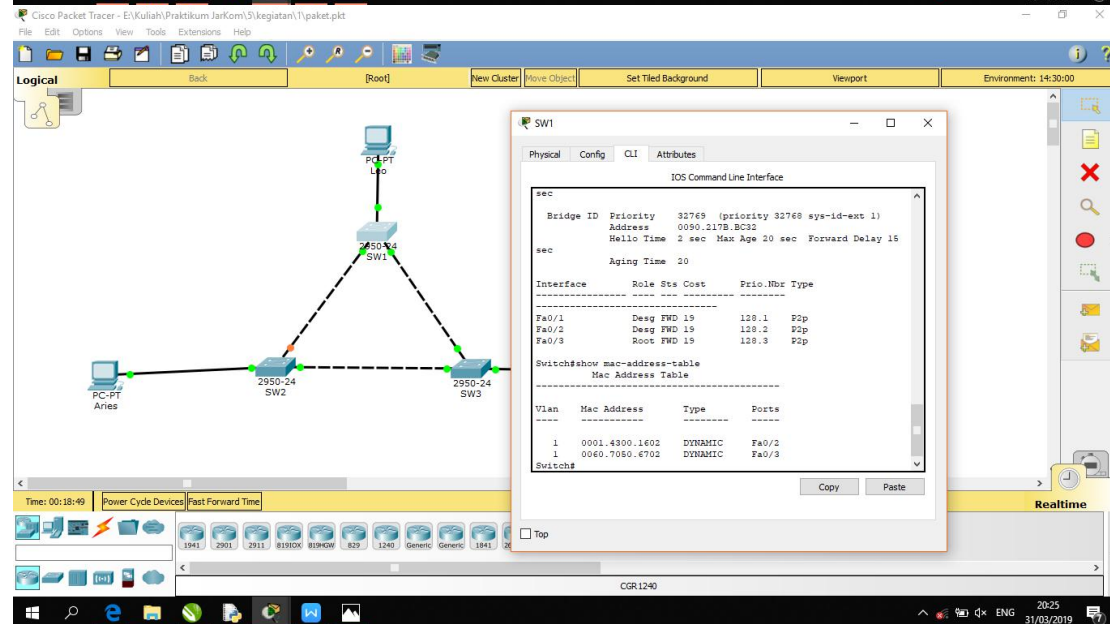
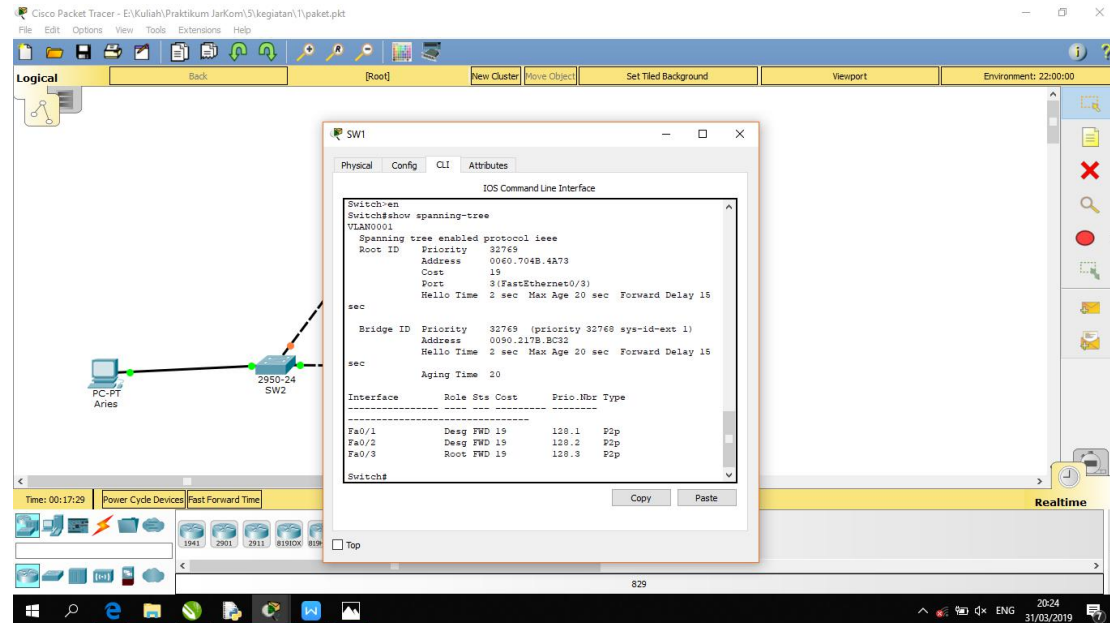
- Klik tulisan yang ada di bawah 2950-24.
- Hapus tulisan yang ada dan ganti dengan nama (SW1, SW2, SW3).



## Tugas 4a

## Tugas 4b

### SW1



NO	Variable	Nilai
1	Root ID	32769.0060.704B.4A73
2	PRIORITY	32769
3	MAC Address	0001.4300.1602 0060.7050.6702
4	Bridge ID	32769.0090.217B.BC32
5	Cost(0/1;0/2;/3)	Cost 19, port 0/2
6	Hello Time	2 Second
7	MaxAge	20
8	Forward Delay	15

## SW2

SW2

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#en
Switch#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID    Priority    32769
           Address    0060.704B.4A73
           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    00E0.A332.3476
           Hello Time 2 sec  Max Age 20 sec  Forward Delay 15
sec
           Aging Time 20
Interface Role Sts Cost Prio.Mbr Type
-----
Fa0/1    Desg FWD 19    128.1 P2p
Fa0/2    Altn BLK 19    128.2 P2p
Fa0/3    Root FWD 19    128.3 P2p
Switch#
```

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Time: 00:30:36 Power Cycle Devices Fast Forward Time

Realtime

CGR 1240

SW2

Physical Config CLI Attributes

IOS Command Line Interface

```
sec
           Bridge ID Priority    32769 (priority 32768 sys-id-ext 1)
           Address    00E0.A332.3476
           Hello Time 2 sec  Max Age 20 sec  Forward Delay 15
sec
           Aging Time 20
Interface Role Sts Cost Prio.Mbr Type
-----
Fa0/1    Desg FWD 19    128.1 P2p
Fa0/2    Altn BLK 19    128.2 P2p
Fa0/3    Root FWD 19    128.3 P2p
Switch#show mac-address-table
Mac Address Table
-----
Vlan  Mac Address      Type      Ports
----  -
1     0060.7050.6703    DYNAMIC   Fa0/3
Switch#
```

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Time: 00:31:41 Power Cycle Devices Fast Forward Time

Realtime

CGR 1240

NO	Variable	Nilai
1	Root ID	32769.0060.704B.4A73
2	PRIORITY	32769
3	MAC Address	0060.7050.6703
4	Bridge ID	32769.00E0.A332.3476
5	Cost(0/1;0/2;/3)	Cost 19, port 0/3
6	Hello Time	2 Second
7	MaxAge	20
8	Forward Delay	15

## SW3

Cisco Packet Tracer - E:\Kuliah\Praktikum JarKom\5\kegiatan\1\paket.pkt

File Edit Options View Tools Extensions Help

Logical Back [Root] New Cluster Move Object Set Tied Background Viewport Environment: 23:00:00

SW3

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#en
Switch#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID    Priority    32769
           Address    0060.704B.4A73
           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    0060.704B.4A73
           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
Switch#
```

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Time: 00:39:02 Power Cycle Devices Fast Forward Time

Realtime

CGR1240

Cisco Packet Tracer - E:\Kuliah\Praktikum JarKom\5\kegiatan\1\paket.pkt

File Edit Options View Tools Extensions Help

Logical Back [Root] New Cluster Move Object Set Tied Background Viewport Environment: 18:30:00

SW3

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#show mac-address-table
Mac Address Table
-----
Vlan    Mac Address      Type    Ports
-----
1       0001.421b.e803   DYNAMIC Fa0/2
1       0001.4300.1603   DYNAMIC Fa0/3
Switch#
```

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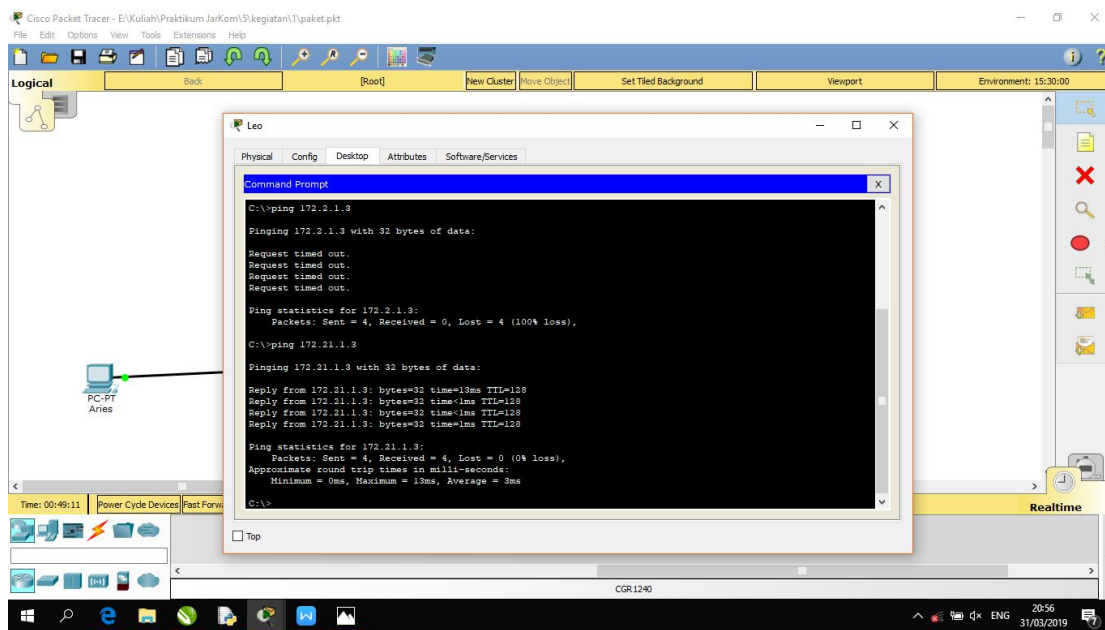
Time: 00:41:17 Power Cycle Devices Fast Forward Time

Realtime

CGR1240

NO	Variable	Nilai
1	Root ID	32769.0060.704B.4A73
2	PRIORITY	32769
3	MAC Address	0001.421b.e803 0001.4300.1603
4	Bridge ID	32769.0060.704B.4A73
5	Cost(0/1;0/2;/3)	Cost 19, port 0/1
6	Hello Time	2 Second
7	MaxAge	20
8	Forward Delay	15

## Tugas 5a



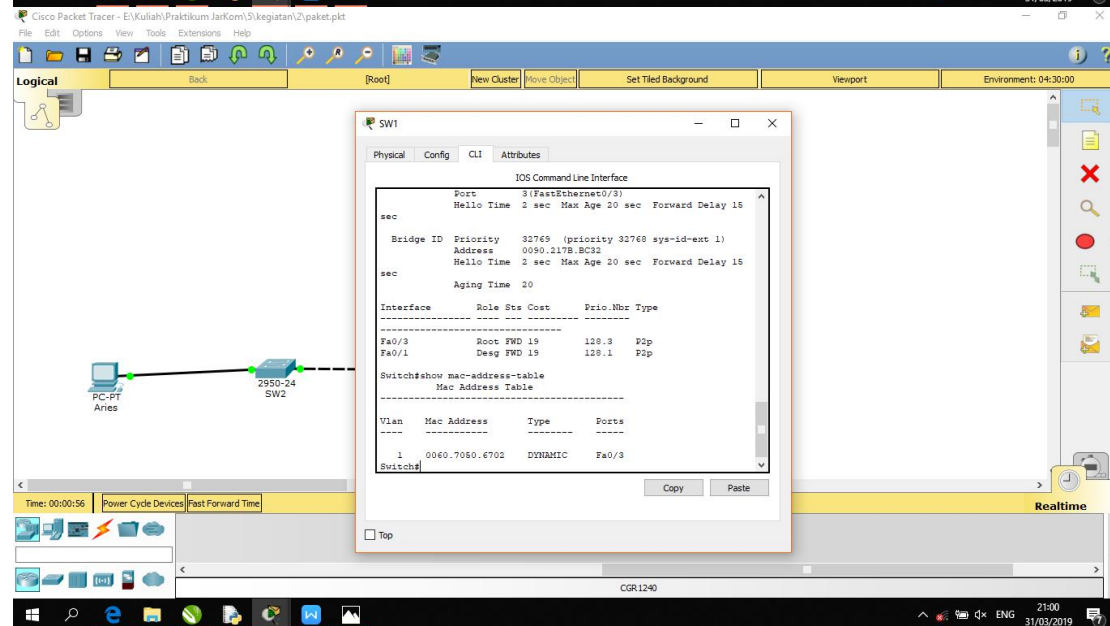
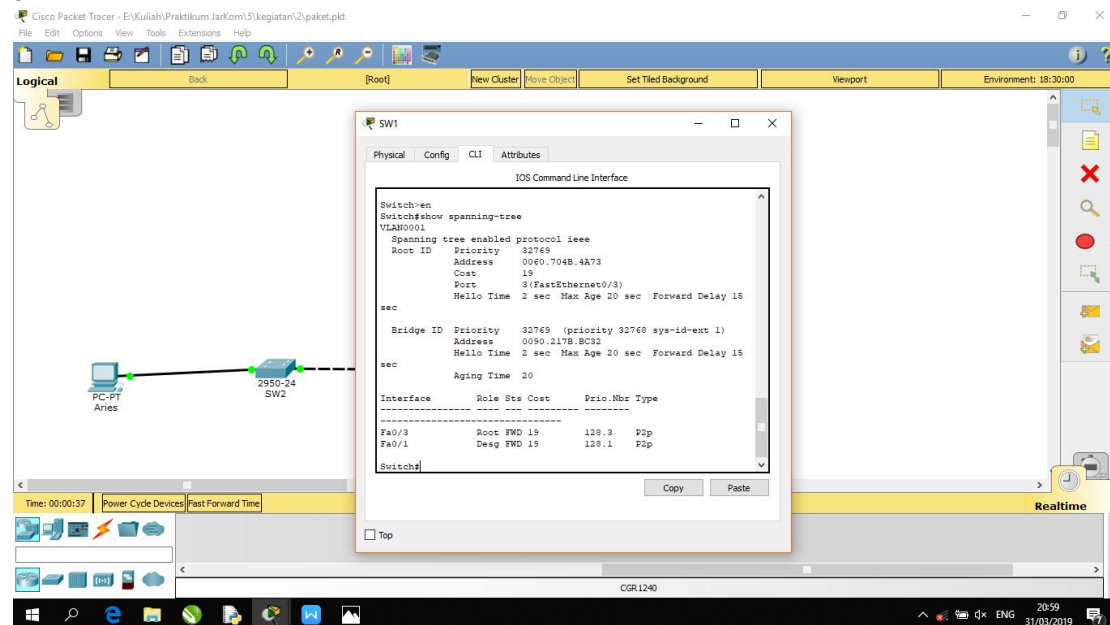
## Tugas 6A

- Klik file pada jendela packet tracer di pojok kiri atas.
- Klik save as, dan pilih lokasi penyimpanan.
- Ketikkan nama baru untuk file konfigurasi ini dengan nama lab2.nwc.

## Kegiatan 2

### Tugas 9a

#### SW1



NO	Variable	Nilai
1	Root ID	32769.0060.704B.4A73
2	PRIORITY	32769
3	MAC Address	0060.7050.6702
4	Bridge ID	32769.0090.217B.BC32
5	Cost(0/1;0/2;/3)	Cost 19, port 0/3
6	Hello Time	2 Second
7	MaxAge	20
8	Forward Delay	15

## SW2

Cisco Packet Tracer - E:\Kuliah\Praktikum JarKom\5\kegiatan\2\paket.pkt

File Edit Options View Tools Extensions Help

Logical Back [Root] New Cluster Move Object Set Tiled Background Viewport Environment: 18:00:00

SW2

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>en
Switch#
Switch#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID    Priority
           32769
Address    00E0.704B.4A73
Cost       19
Port       3(FastEthernet0/3)
Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
Bridge ID  Priority (priority 32769 sys-id-ext 1)
           32769
Address    00E0.A332.3476
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     Root FWD 19   128.3 P2p
Switch#
```

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Time: 00:01:24 Power Cycle Devices Fast Forward Time

Realtime

CGR 1240

Cisco Packet Tracer - E:\Kuliah\Praktikum JarKom\5\kegiatan\2\paket.pkt

File Edit Options View Tools Extensions Help

Logical Back [Root] New Cluster Move Object Set Tiled Background Viewport Environment: 03:30:00

SW2

Physical Config CLI Attributes

IOS Command Line Interface

```
Port 3(FastEthernet0/3)
Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
Bridge ID  Priority (priority 32769 sys-id-ext 1)
           32769
Address    00E0.A332.3476
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     Root FWD 19   128.3 P2p
Switch#show mac-address-table
Mac Address Table
-----
Vlan  Mac Address      Type      Ports
----  -
1     0060.7050.6703    DYNAMIC   Fa0/3
Switch#
```

Copy Paste

Time: 00:01:43 Power Cycle Devices Fast Forward Time

Realtime

CGR 1240

NO	Variable	Nilai
1	Root ID	32769.0060.704B.4A73
2	PRIORITY	32769
3	MAC Address	0060.7050.6703
4	Bridge ID	32769.00E0.A332.3476
5	Cost(0/1;0/2;/3)	Cost 19, port 0/3
6	Hello Time	2 Second
7	MaxAge	20
8	Forward Delay	15



## SW3

Cisco Packet Tracer - E:\Kuliah\Praktikum JarKom\3\kegiatan\2\paket.pkt

File Edit Options View Tools Extensions Help

Logical Back [Root] New Cluster Move Object Set Tiled Background Viewport Environment: 14:00:00

SW3

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#en
Switch#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID    Priority    32769
           Address    0060.704B.4A73
           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    0060.704B.4A73
           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
           Fa0/3      Desg FWD 19   128.3 P2p
Switch#
```

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Time: 00:02:03 Power Cycle Devices Fast Forward Time

Realtime

CGR1240

Cisco Packet Tracer - E:\Kuliah\Praktikum JarKom\3\kegiatan\2\paket.pkt

File Edit Options View Tools Extensions Help

Logical Back [Root] New Cluster Move Object Set Tiled Background Viewport Environment: 23:30:00

SW3

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#show mac-address-table
Mac Address Table
-----
Vlan    Mac Address      Type      Ports
-----
1       0001.421b.e803   DYNAMIC   Fa0/2
1       0001.4300.1603   DYNAMIC   Fa0/3
Switch#
```

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Time: 00:02:23 Power Cycle Devices Fast Forward Time

Realtime

CGR1240

NO	Variable	Nilai
1	Root ID	32769.0060.704B.4A73
2	PRIORITY	32769
3	MAC Address	0001.421b.e803 0001.4300.1603
4	Bridge ID	32769.0060.704B.4A73
5	Cost(0/1;0/2;/3)	Cost 19, port 0/1
6	Hello Time	2 Second
7	MaxAge	20
8	Forward Delay	15