

KELAS: C

The screenshot displays the Cisco Packet Tracer interface. The main workspace shows a network topology with a central switch connected to six PCs: PC-PT Leo, PC-PT Arnes, PC-PT Virgo, PC-PT Libra, PC-PT Tauros, and PC-PT Scorpio. The interface includes a top menu bar (File, Edit, Options, View, Tools, Extensions, Help), a toolbar with various icons, and a bottom status bar. The status bar shows the time as 02:00:04, the scenario as Scenario 0, and a packet list table.

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
1	Successful	Arnes	Taurus	ICMP	Green	0.000	N	1	(e...)	(delete)
2	Successful	Virgo	Scorpio	ICMP	Green	0.000	N	2	(e...)	(delete)

Physical

Config

Cli

Attributes

IOS Command Line Interface

```

Switch#vlan database
! Warning: It is recommended to configure VLAN from config mode,
as VLAN Database mode is being deprecated. Please consult user
documentation for configuring VTF/VLAN in config mode.

Switch(vlan)#vlan 10 name sudiak1
VLAN 10 added:
      Name: sudiak1
Switch(vlan)#vlan 20 name sudiak2
VLAN 20 added:
      Name: sudiak2
Switch(vlan)#vlan 30 name sudiak3
VLAN 30 added:
      Name: sudiak3
Switch(vlan)#ex
APR21 completed.
Exiting...
Switch#end
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#fa0/0
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#fa0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#fa0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config-if)#fa0/5
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#end
Switch#
VLAN>CONF_1: Configured from console by console

Switch#show vlan brief

VLAN Name                Status    Ports
-----
1  default                active    Fa0/7, Fa0/16, Fa0/19, Fa0/20
                Pa0/11, Pa0/12, Pa0/13, Pa0/14
                Pa0/15, Pa0/16, Pa0/17, Pa0/18
                Pa0/19, Pa0/20, Pa0/21, Pa0/22
                Pa0/23, Pa0/24
10  sudiak1                active    Fa0/1, Fa0/4
20  sudiak2                active    Fa0/2, Pa0/5
30  sudiak3                active    Fa0/3, Pa0/6
1002 fdi1-8b-default      active
1003 fdi1-8c-default      active
1004 fdi1es-1-default      active
1005 control-vlan1        active

```

Ctrl-F6 to exit CLI focus

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Top

SW1 (Show VLAN)

Switch#show vlan brief

VLAN Name	Status	Ports
1 default	active	Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24
10 zodiak1	active	Fa0/1, Fa0/4
20 zodiak2	active	Fa0/2, Fa0/5
30 zodiak3	active	Fa0/3, Fa0/6
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

Switch#show vlan id 10

VLAN Name	Status	Ports
10 zodiak1	active	Fa0/1, Fa0/4

VLAN Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
10	enet	100010	1500	-	-	-	-	0	0

Switch#show vlan id 20

VLAN Name	Status	Ports
20 zodiak2	active	Fa0/2, Fa0/5

VLAN Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
20	enet	100020	1500	-	-	-	-	0	0

Switch#show vlan id 30

VLAN Name	Status	Ports
30 zodiak3	active	Fa0/3, Fa0/6

VLAN Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
30	enet	100030	1500	-	-	-	-	0	0

Switch#

Tugas 6A

No	Variabel	Nilai
1.	Nomor VLAN	10
2.	Nama VLAN	zodiak1
3.	Port	Fa0/1, Fa0/4
4.	Status	active

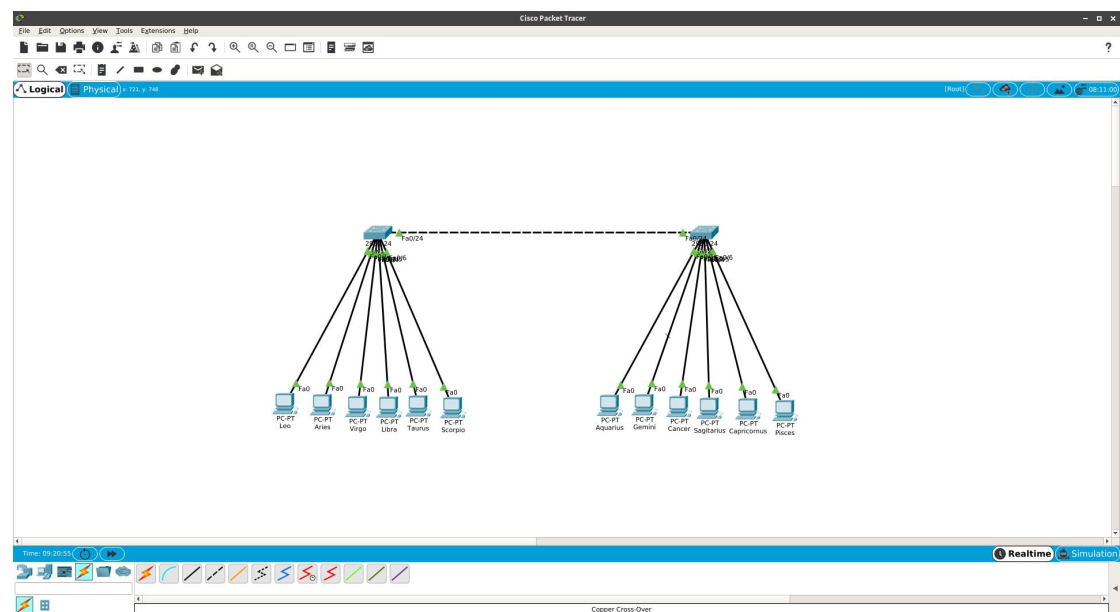
No	Variabel	Nilai
1.	Nomor VLAN	20
2.	Nama VLAN	zodiak2
3.	Port	Fa0/2, Fa0/5
4.	Status	active

No	Variabel	Nilai
1.	Nomor VLAN	30
2.	Nama VLAN	zodiak3
3.	Port	Fa0/3, Fa0/6
4.	Status	active

Tugas 6B

Hasil dari 6A yaitu configuration yang kita lakukan telah menjadikan 3 id vlan yang terdiri dari zodiak1(10), zodiak2(20), zodiak3(30) dan masing-masing id vlan diisi dengan 2 port (PC/Client) dan semua vlan statusnya telah aktif.

Kegiatan 2



SW1

Physical

Config

CLI

Attributes

IOS Command Line Interface

```

Switch#vlan database
! Warning: It is recommended to configure VLAN from config mode,
as VLAN database mode is being deprecated. Please consult user
documentation for configuring VTP/VLAN in config mode.

Switch(vlan)#vlan 10 name rodial1
VLAN 10 added:
      Name: rodial1
Switch(vlan)#vlan 20 name rodial2
VLAN 20 added:
      Name: rodial2
Switch(vlan)#vlan 30 name rodial3
VLAN 30 added:
      Name: rodial3
Switch(vlan)#ex
APR12 completed.
Exiting...
Switch#end
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#int fa0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#int fa0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#int fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#int fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#int fa0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#int fa0/24
Switch(config-if)#switchport mode trunk

Switch(config-if)#
SLIPRSTRT0-5-000000: line protocol on Interface FastEthernet0/24, changed state to down
SLIPRSTRT0-5-000000: line protocol on Interface FastEthernet0/24, changed state to up

Switch(config-if)#ex
Switch(config)#show int fa0/24

! Invalid input detected at ''' marker.

Switch(config)#ex
Switch#
USER>=CONFIG_1: Configured from console by console

Switch#show int fa0/24
FastEthernet0/24 is up, line protocol is up (connected)
  Hardware is Lompa, address is 0005.5003.1044 (bia 0005.5003.1044)

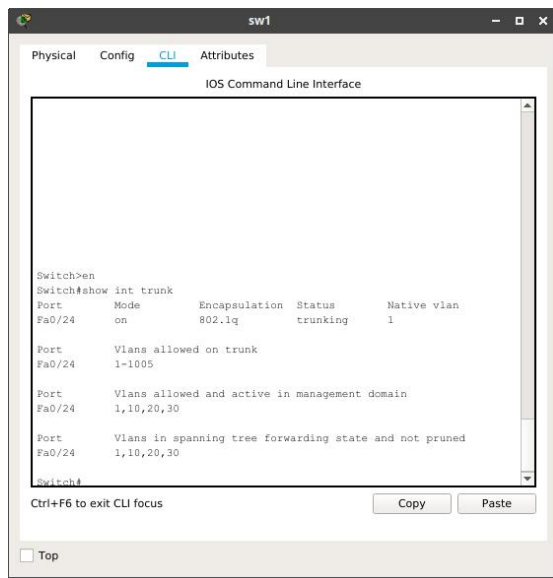
```

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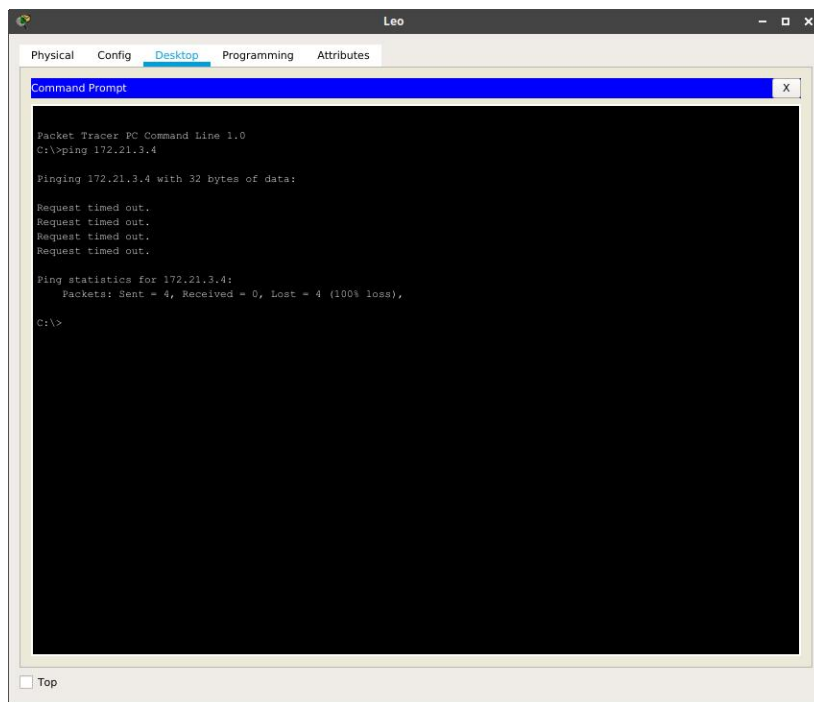
Top

Tugas 7A



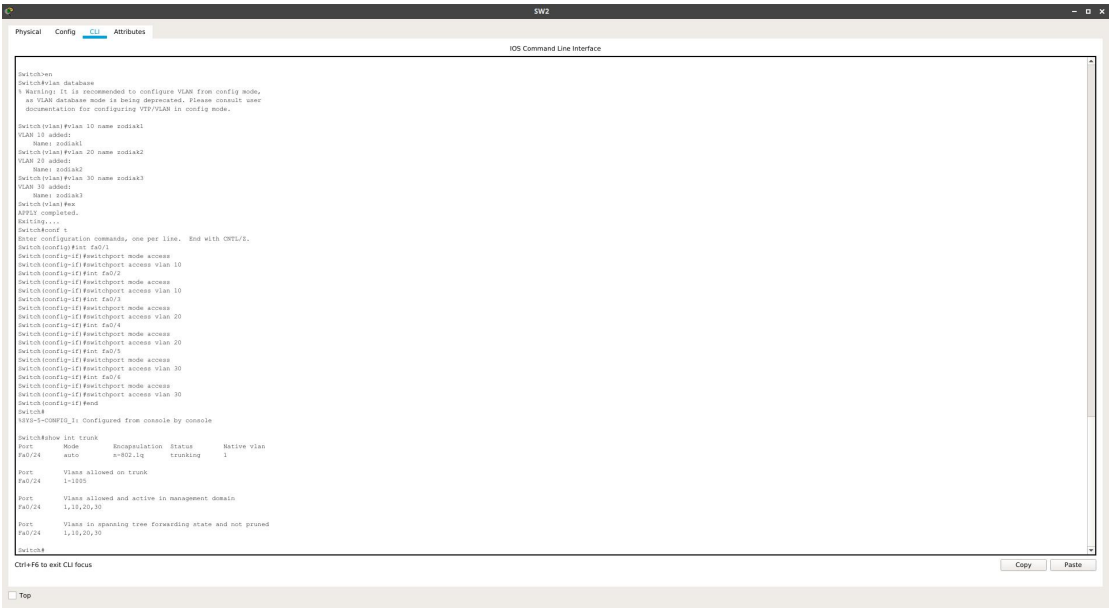
Hasil dari Trunking pada FastEthernet 0/24 adalah kita telah mengizinkan VLAN dari SW1 untuk memperluas VLANnya dengan jalur tunggal yaitu pada port 0/24 sebagai jalur utamanya atau bisa dibilang menghubungkan antar device dengan jalur dari port Trunk (Fa0/24).

Tugas 8A

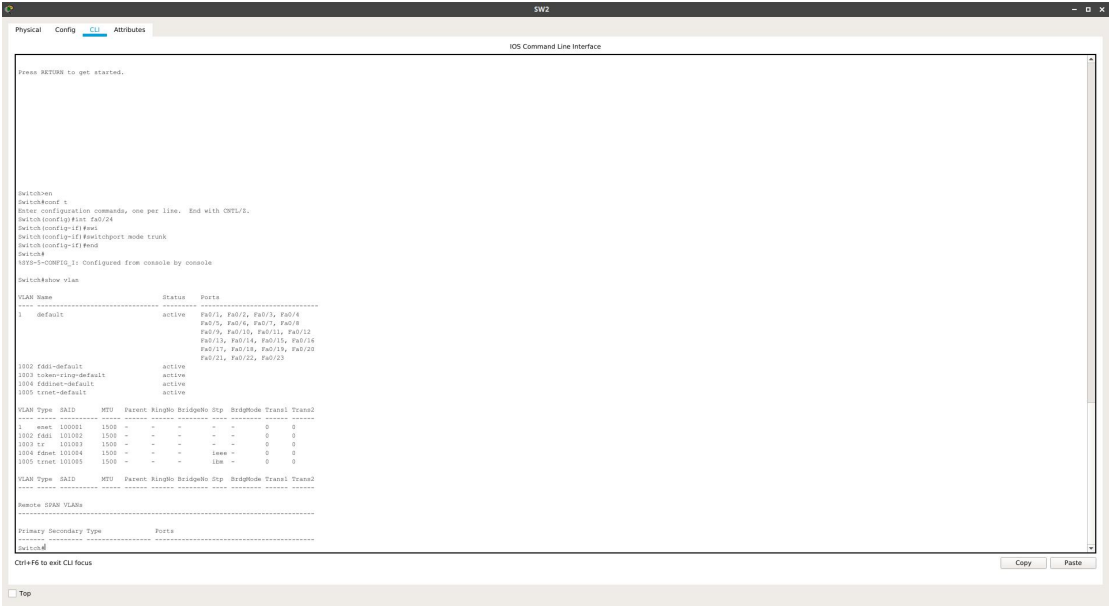


Hasilnya RTO karena walaupun sudah di-Trunking kemudian menyambungkan sesama VLAN ID tapi kalau networknya berbeda tidak bisa terhubung.

SW2

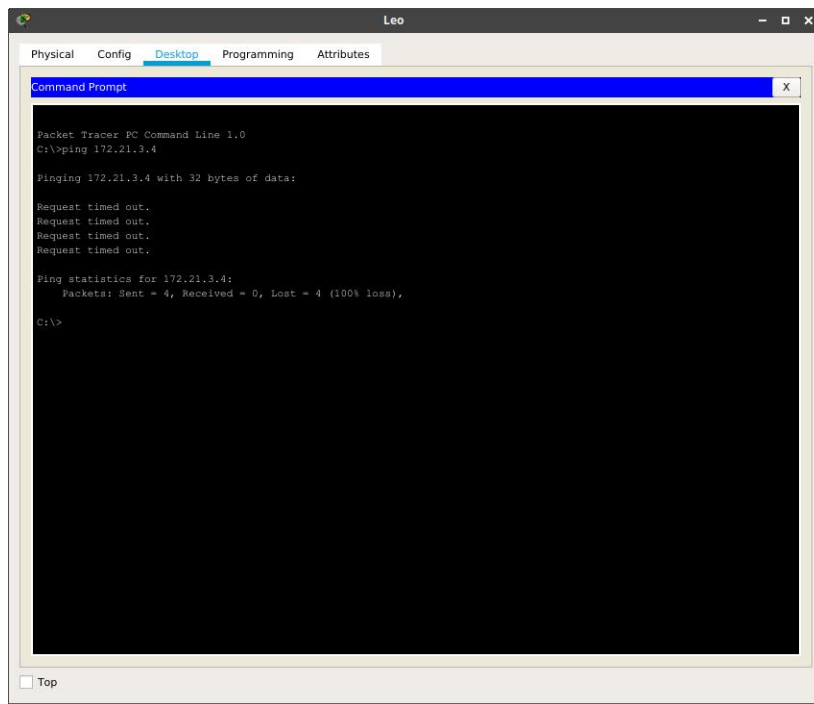


Tugas 10A



Hasilnya sudah di Trunking tapi belum ada VLAN yang ditambahkan dalam konfigurasi di SW2.

Tugas 12A



Hasilnya tetap saja RTO karena walaupun sudah di-Trunking kemudian menyambungkan sesama VLAN ID tapi kalau networknya berbeda tidak bisa terhubung. Jika Pisces menggunakan Address yang satu network dengan Leo pasti bisa terkoneksi satu sama lain.