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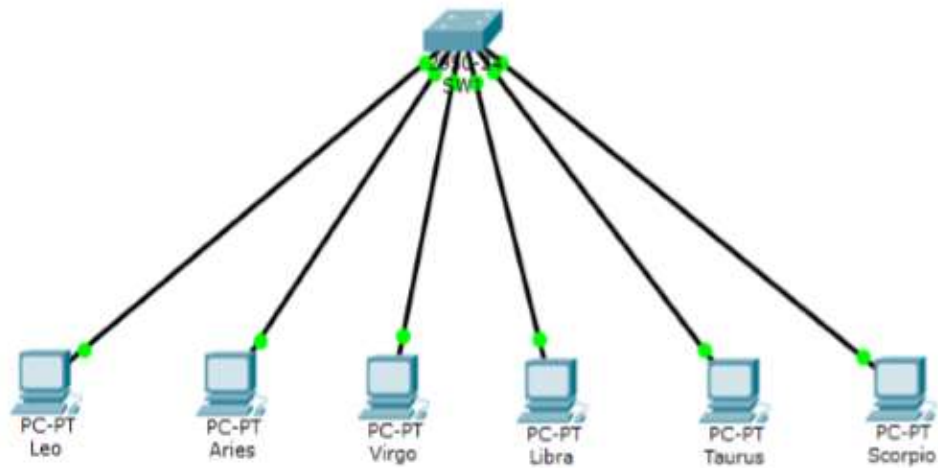
NIM : L200183094

CLASS : X

Kegiatan 1 : 1. Topologi 1

1. Make the following topology using packet tracer
2. Give the name of each device

- a. Switch: SW
- b. PC0: Leo
- c. Pc1: Aries
- d. Pc2: Virgo
- e. PC3: Libra
- f. Pc4: Taurus
- g. Pc5: Scorpio



3. Change the configuration of each PC

- a. Leo: 172.21.1.1/24
- b. Aries : 172.21.1.2/24
- c. Virgo : 172.21.1.3/24
- d. Libra : 172.21.1.4/24
- e. Taurus : 172.21.1.5/24
- f. Scorpio: 172.21.1.6/24

/24 means enter to class c

The screenshot shows a window titled "Leo" with a tabbed interface. The "Config" tab is selected, and the "IP Configuration" sub-tab is active. The "IP Configuration" section has two radio buttons: "DHCP" (unselected) and "Static" (selected). Below these are four text input fields: "IP Address" (172.21.1.1), "Subnet Mask" (255.255.255.0), "Default Gateway" (0.0.0.0), and "DNS Server" (0.0.0.0). The "IPv6 Configuration" section has three radio buttons: "DHCP" (unselected), "Auto Config" (unselected), and "Static" (selected). Below these are four text input fields: "IPv6 Address" (empty), "Link Local Address" (FE80::290:CFF:FEA2:AB9B), "IPv6 Gateway" (empty), and "IPv6 DNS Server" (empty). A "Top" button is located at the bottom left of the window.

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IP Address	172.21.1.1
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration		
<input type="radio"/> DHCP	<input type="radio"/> Auto Config	<input checked="" type="radio"/> Static
IPv6 Address		
Link Local Address	FE80::290:CFF:FEA2:AB9B	
IPv6 Gateway		
IPv6 DNS Server		

Aries

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.1.2

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::230:A3FF:FE7E:1606

IPv6 Gateway

IPv6 DNS Server

Top

Virgo

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.1.3

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

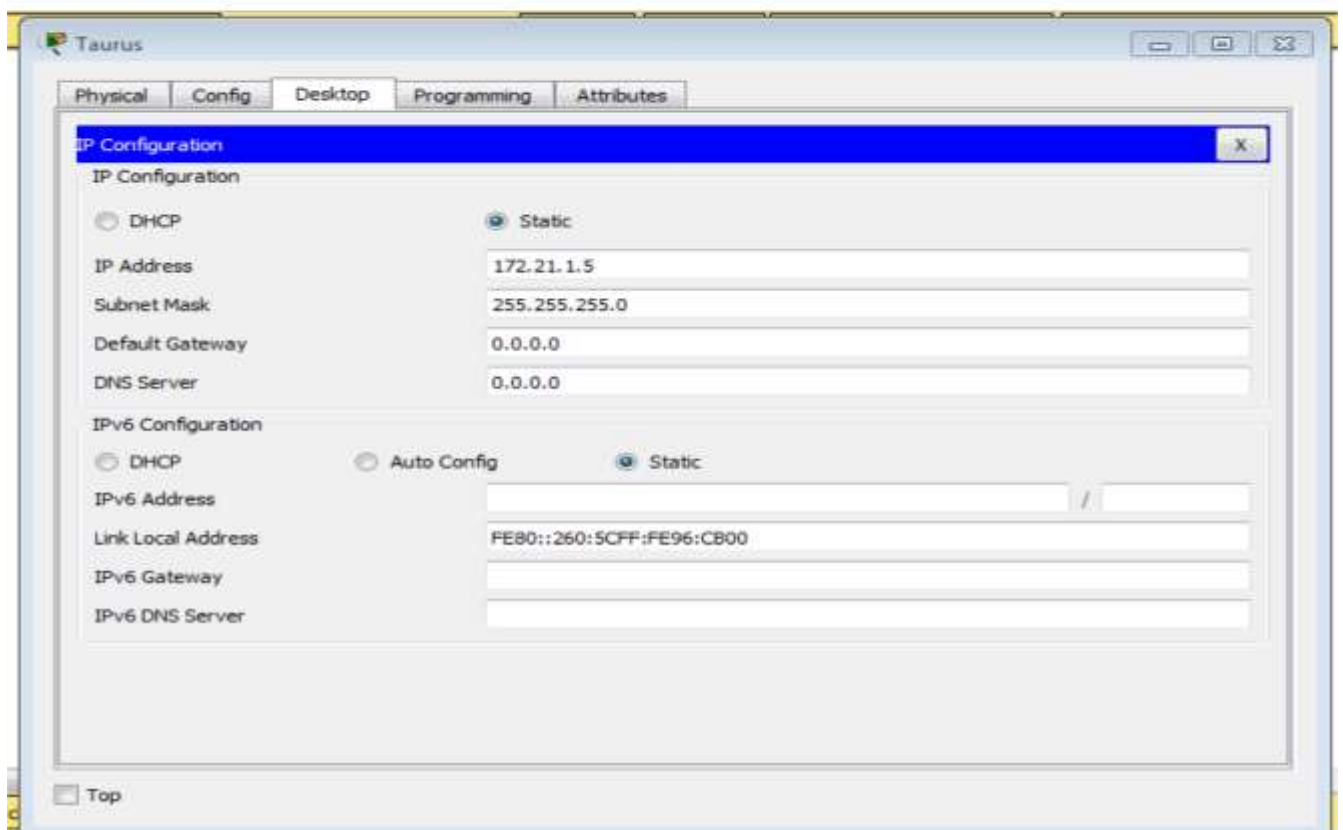
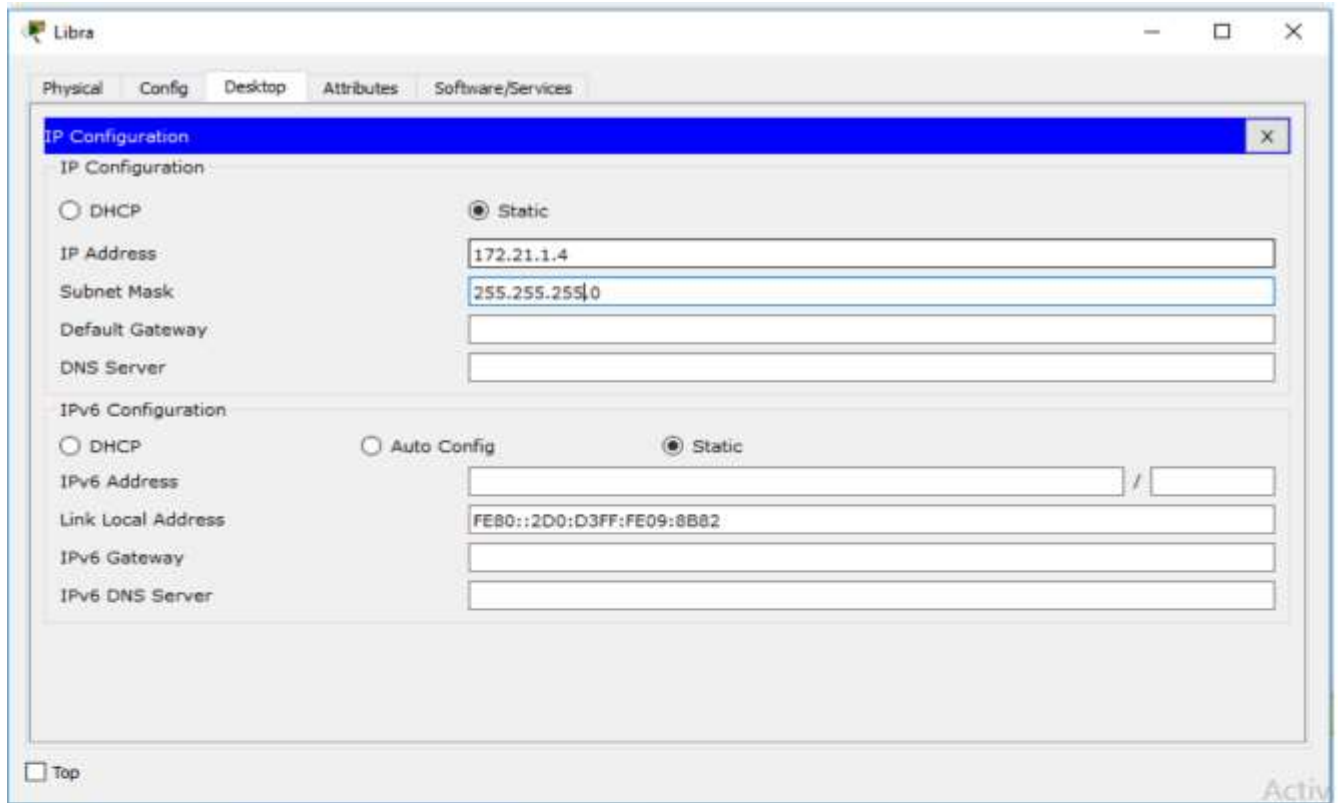
IPv6 Address /

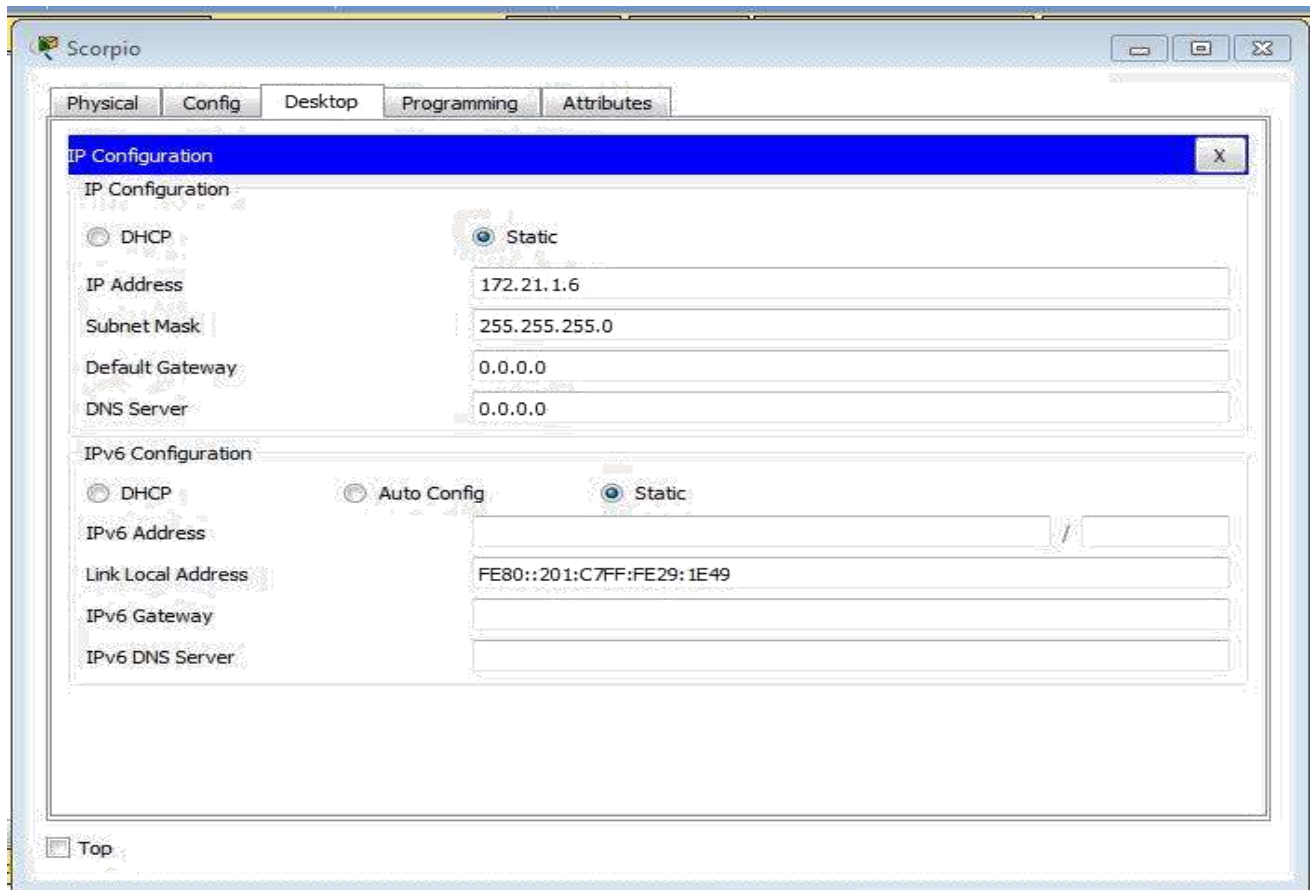
Link Local Address FE80::201:C9FF:FE64:C6CA

IPv6 Gateway

IPv6 DNS Server

Top





4. Make 3 pieces of Vlan with the names zodiac1, zodiac2, and zodiac3
5. Then in configuration mode, group the switch ports into the Zodiac1, zodiac2, and zodiac3 VLANs. The setting is :
 - Zodiak1 : leo and libra
 - Zodiak2 : aries and Taurus
 - Zodiak3 : virgo dan scorpio

SW1

PhysicalConfigCLIAttributes

IOS C

```

Switch>enable
Switch#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name zodiak1
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name zodiak2
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#exit
Switch(config)#int fa 0/1
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#int fa 0/4
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#int fa 0/2
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#int fa 0/3
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#int fa 0/5
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#end

```

6. Displays Vlan information in its entirety

```

Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan brief

```

VLAN	Name	Status	Ports
1	default	active	Fa0/6, 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
30	zodiak3	active	Fa0/3, Fa0/5
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

```

Switch#show vlan id 10 detail

```

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

7. Display information vlan 10, 20, and 30

```
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
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#
```