Computer Networks Practicum 4

By:

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Class X

INFORMATION TECHNOLOGY

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Activity 1 : 1. Topologi 1

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

      a. Switch: SW

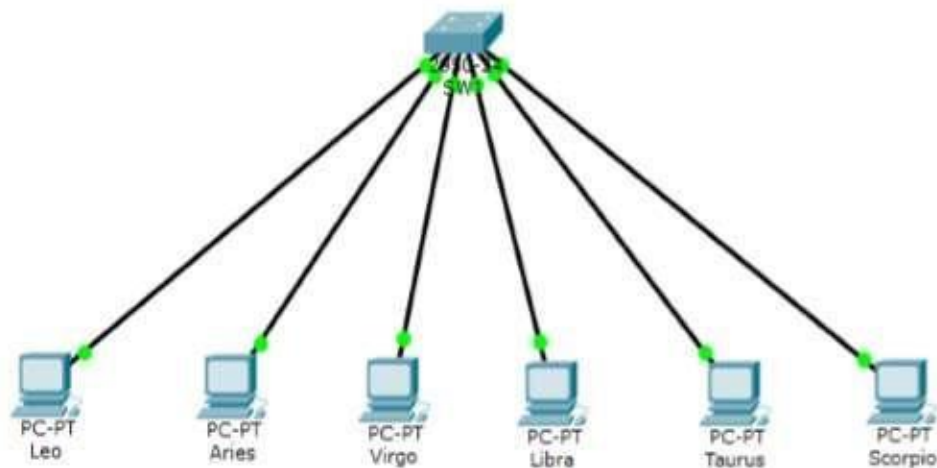   b. PC0: Leo c.

      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

Leo

| Physical | Config | Desktop | Programming | Attributes |

IP Configuration

IP Configuration

○ DHCP   ● 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

○ DHCP   ○ Auto Config   ● Static

IPv6 Address   /

Link Local Address   FE80::290:CFF:FEA2:AB9B

IPv6 Gateway

IPv6 DNS Server

☐ Top

Aries

Physical | Config | Desktop | Programming | Attributes

IP Configuration [X]

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 [X]

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

Libra

Physical | **Config** | **Desktop** | **Attributes** | **Software/Services**

IP Configuration

IP Configuration

○ DHCP   ◉ Static

IP Address	172.21.1.4
Subnet Mask	255.255.255.0
Default Gateway	
DNS Server	

IPv6 Configuration

○ DHCP   ○ Auto Config   ◉ Static

IPv6 Address	/
Link Local Address	FE80::2D0:D3FF:FE09:8B82
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

Taurus

Physical | **Config** | **Desktop** | **Programming** | **Attributes**

IP Configuration

IP Configuration

○ DHCP   ◉ Static

IP Address	172.21.1.5
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::260:5CFF:FE96:CB00
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

Scorpio

Physical | Config | Desktop | Programming | Attributes

IP Configuration   X

IP Configuration

○ DHCP   ● Static

IP Address   172.21.1.6

Subnet Mask   255.255.255.0

Default Gateway   0.0.0.0

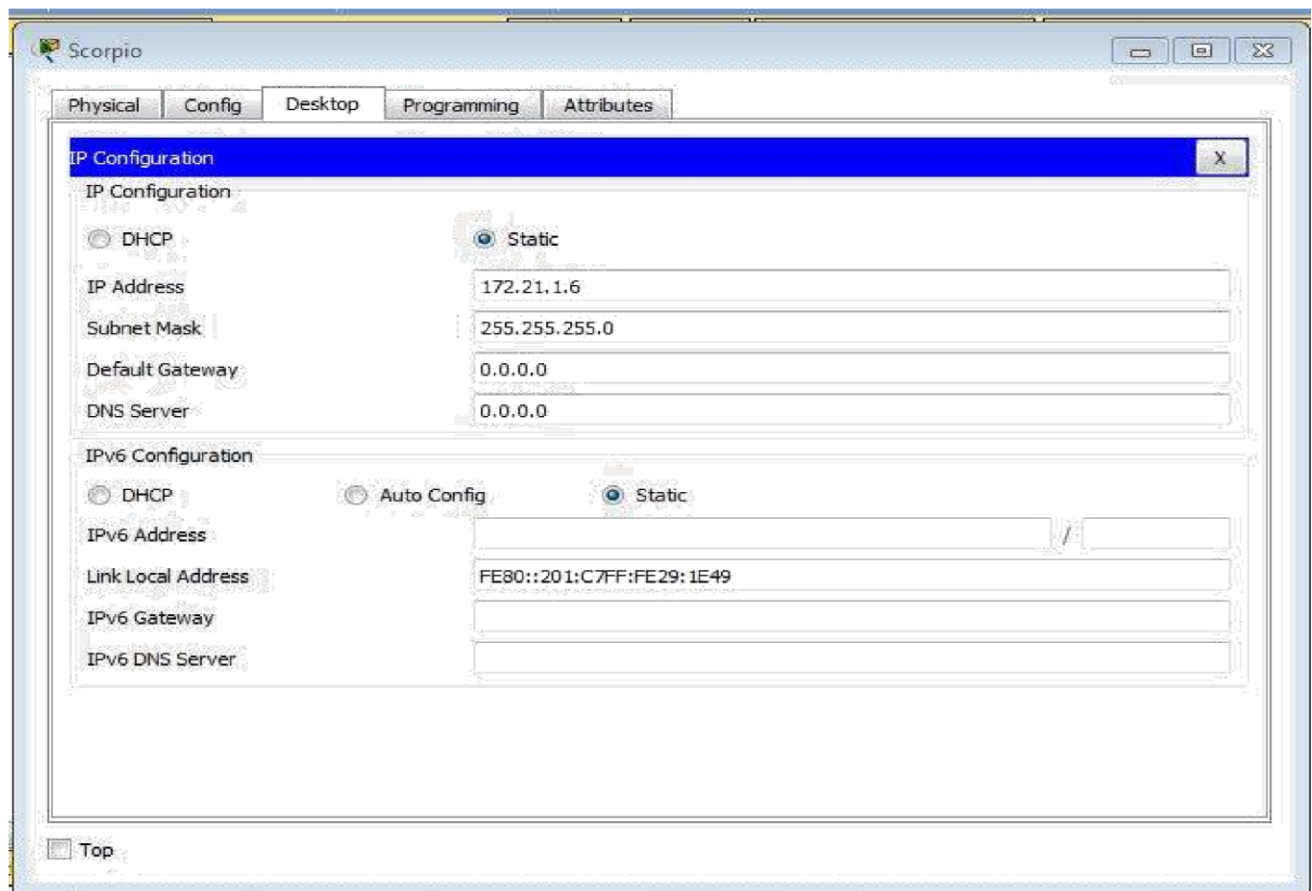DNS Server   0.0.0.0

IPv6 Configuration

○ DHCP   ○ Auto Config   ● Static

IPv6 Address   /

Link Local Address   FE80::201:C7FF:FE29:1E49

IPv6 Gateway

IPv6 DNS Server

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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

6. Displays Vlan information in its entirety

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, Fa0/5

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

Switch#
```