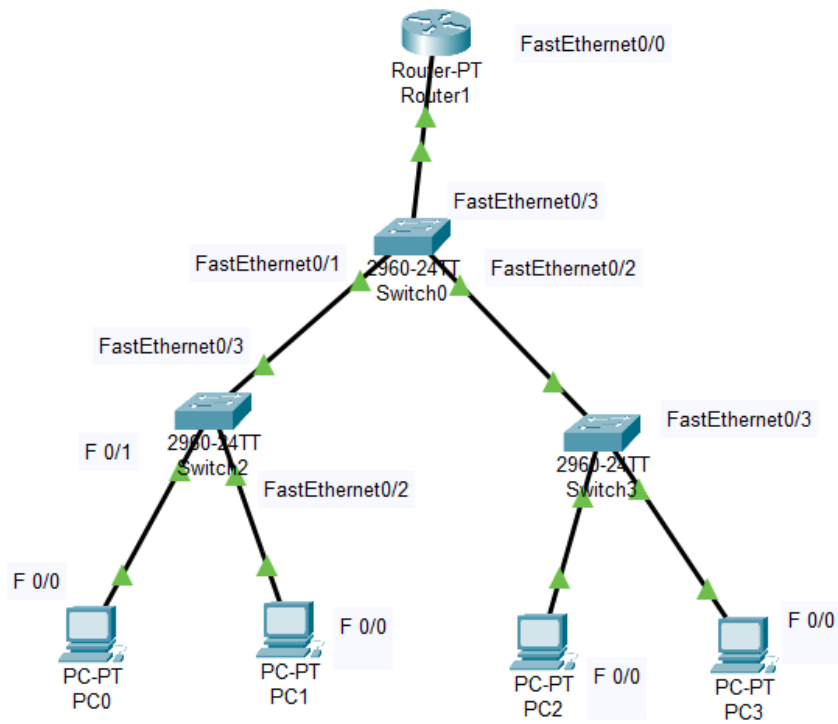


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Router1:

```

Router#
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#
Router(config-if)#
Router(config-if)#interface g0/0
%Invalid interface type and number
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#interface fa0/0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#
Router(config-if)#
Router(config-if)#
Router(config-if)#interface fa0/0.2
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.2, changed state to up

Router(config-subif)#
Router(config-subif)#
Router(config-subif)#encapsulation dot1Q 2
Router(config-subif)#ip address 172.18.2.1 255.255.0.0
Router(config-subif)#exit
Router(config)#interface fa0/0.4
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.4, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.4, changed state to up

Router(config-subif)#
Router(config-subif)#encapsulation dot1Q 4
Router(config-subif)#ip address 172.18.4.1 255.255.0.0
% 172.18.0.0 overlaps with FastEthernet0/0.2
Router(config-subif)#exit
Router(config)#
Router(config)#
Router(config)#ip dhcp pool dpool2
Router(dhcp-config)#network 172.18.2.0 255.255.0.0
Router(dhcp-config)#default-router 172.18.255.254
Router(dhcp-config)#dns-server 8.8.8.8
Router(dhcp-config)#
Router(dhcp-config)#
Router(dhcp-config)#ip dhcp pool dpool4
Router(dhcp-config)#network 172.18.4.0 255.255.0.0
Router(dhcp-config)#default-router 172.18.255.254
Router(dhcp-config)#dns-server 8.8.8.8
Router(dhcp-config)#
Router(dhcp-config)#
Router(dhcp-config)#exit

```

## Switch 2: (client)

```
Switch>
Switch>
Switch>
Switch>
Switch>enable
Switch#
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#
Switch(config)#
Switch(config)#vtp domain AIUB
Domain name already set to AIUB.
Switch(config)#vtp mode client
Device mode already VTP CLIENT.
Switch(config)#vtp version 2
Cannot modify version in VTP client mode
Switch(config)#
Switch(config)#interface range fa0/4 - 15
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 2
Switch(config-if-range)#exit
Switch(config)#
Switch(config)#
Switch(config)#
Switch(config)#interface range fa0/16 - 24
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 4
Switch(config-if-range)#exit
Switch(config)#
Switch(config)#
Switch(config)#interface fa0/1
Switch(config-if)#switchport mode trunk

Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switch(config-if)#
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#
```

## Switch 3(client)

```

Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#vtp domain AIUB
Domain name already set to AIUB.
Switch(config)#vtp mode client
Setting device to VTP CLIENT mode.
Switch(config)#vtp version 2
Cannot modify version in VTP client mode
Switch(config)#
Switch(config)#
Switch(config)#
Switch(config)#interface range fa0/4 - 15
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 2
Switch(config-if-range)#exit
Switch(config)#
Switch(config)#
Switch(config)#interface range fa0/16 - 24
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 4
Switch(config-if-range)#
Switch(config-if-range)#
Switch(config-if-range)#exit
Switch(config)#
Switch(config)#
Switch(config)#! trunk port to switch0
Switch(config)#interface fa0/1
Switch(config-if)#switchport mode trunk

Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switch(config-if)#
Switch(config-if)#exit
Switch(config)#

```

Switch 0 (server) :

```
Switch>
Switch>
Switch>
Switch>
Switch>en
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#
Switch(config)#vtp domain AIUB
Domain name already set to AIUB.
Switch(config)#vtp mode server
Device mode already VIP SERVER.
Switch(config)#vpt version 2
      ^
% Invalid input detected at '^' marker.

Switch(config)#
Switch(config)#
Switch(config)#
Switch(config)#vlan 2
Switch(config-vlan)#name CSE
Switch(config-vlan)#exit
Switch(config)#vlan 4
Switch(config-vlan)#name EEE
Switch(config-vlan)#exit
Switch(config)#interface range fa0/1 - 3
Switch(config-if-range)#switchport mode trunk
Switch(config-if-range)#exit
Switch(config)#
Switch(config)#
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up
```