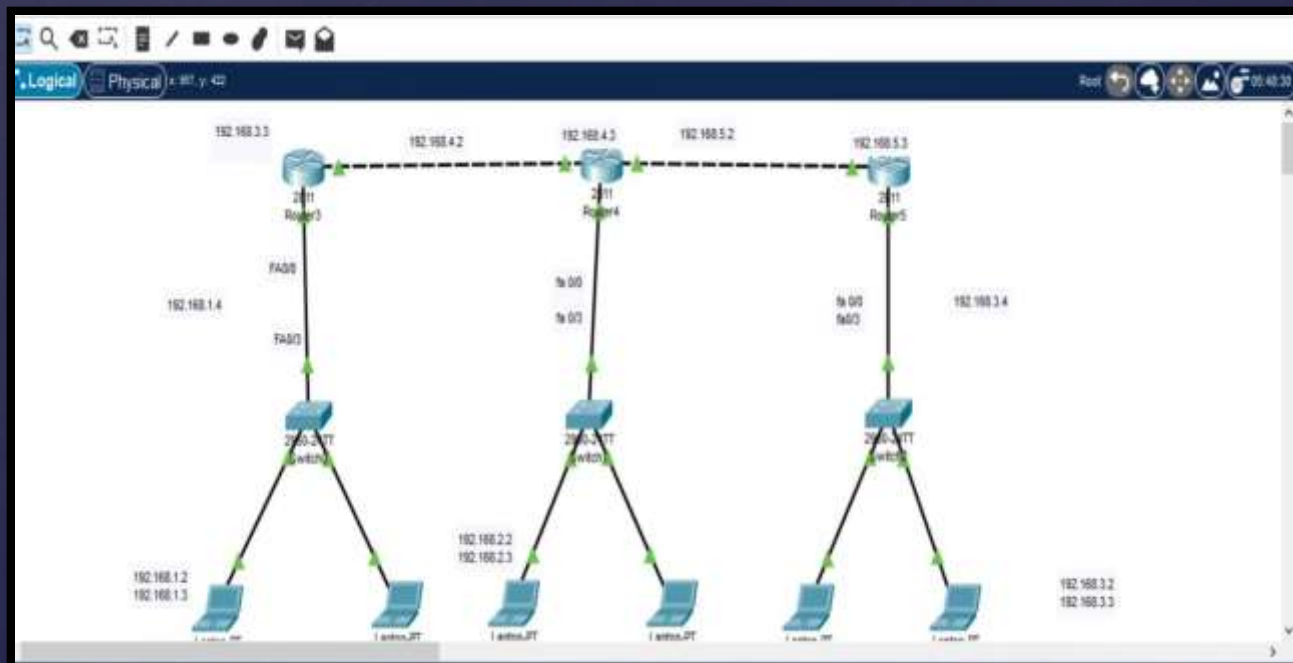


Task 1- Open ciscopacket tracker add 6 pc (Pc0,pPS1,pc2,pc3,pc4,pc5)and there ip address

- add 3 switches and 3 router respectively .
- connect pc to switches using automatic wire.
- now add ip address .
- now router 2canf connect with other router so go to router config and add ip address and default adreaaand add extrenal ports.-npw routers are connected with each other



Laptop0

Physical Config Desktop Programming Attributes

Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.4

DNS Server 8.8.8.8

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::2E1:80FF:FEAD:82EE

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication RADIUS

Username

Password

Tip

Router3

Physical Config CLI Attributes

FastEthernet0/0

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet1/0

Port Status ☒ On

Bandwidth 100 Mbps 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 9000.034B.4701

IP Configuration

IPv4 Address 192.168.1.4

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```

#show run | section config #show run | section config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
#SYS-6-CONFIG_1: Configured from console by console

!Bad filename
#Error parsing filename (Bad file number)
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
  
```

Tip

Router3

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet1/0

RIP Routing

Network 192.168.4.0

Add

Network Address

Remove

Equivalent IOS Commands

```
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 FastEthernet0/1
Router(config-if)#
?Bad filename
%Error parsing filename (Bad file number)
Router(config-if)#
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
```

☐ Top

Router4

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet1/0

RIP Routing

Network

Add

Network Address

192.168.2.0

192.168.4.0

192.168.5.0

Remove

Equivalent IOS Commands

```
no network 192.168.5.0
Router(config-router)#no network 192.168.5.0
Router(config-router)#
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
%SYS-5-COMFIG-1: Configured from console by console
network 192.168.2.0
Router(config-router)#network 192.168.4.0
Router(config-router)#network 192.168.5.0
Router(config-router)#
```

☐ Top



BGP USING 3 ROUTER

*Using packet tracker,create anetwork with 3 router with bgp and each router associated network will have minimum 3pc and 3switches show connectivity

step-1- add 3 router, 9pc and 3 switches.

Step2- add wires with eachother.

Step3-add ip address to pc

Host	Interface	IP address	Network Address	Default Gateway
Router 0	G0/0	10.10.10.1	10.0.0.0	
	S0/1/0	40.40.40.1	40.0.0.0	
Router 1	G0/0	20.20.20.1	20.0.0.0	
	S0/1/0	40.40.40.2	40.0.0.0	
	S0/1/1	50.50.50.1	50.0.0.0	
Router 2	G0/0	30.30.30.1	30.0.0.0	
	S0/1/1	50.50.50.2	50.0.0.0	10.10.10.1
PC0	FastEthernet0	10.10.10.2	10.0.0.0	
PC1	FastEthernet0	10.10.10.3	10.0.0.0	
PC2	FastEthernet0	10.10.10.4	10.0.0.0	20.20.20.1
PC3	FastEthernet0	20.20.20.2	20.0.0.0	
PC4	FastEthernet0	20.20.20.3	20.0.0.0	
PC5	FastEthernet0	20.20.20.4	20.0.0.0	30.30.30.1
PC6	FastEthernet0	30.30.30.2	30.0.0.0	
PC7	FastEthernet0	30.30.30.3	30.0.0.0	
PC8	FastEthernet0	30.30.30.4	30.0.0.0	