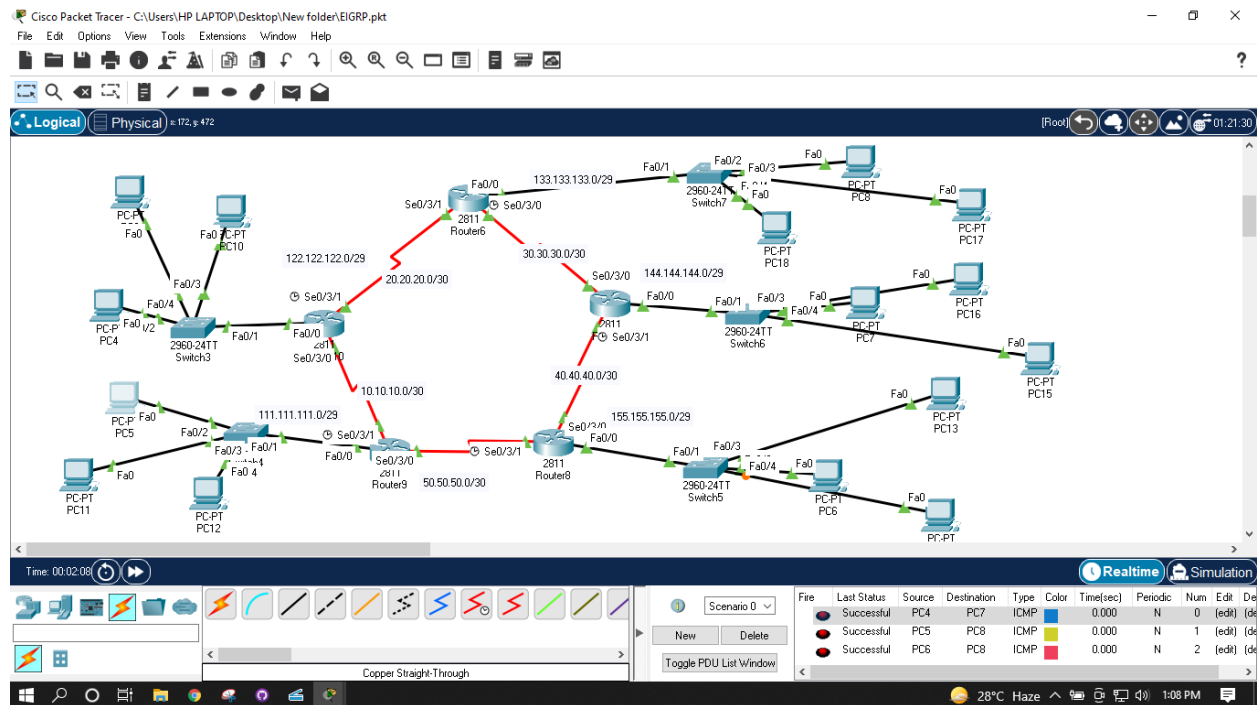
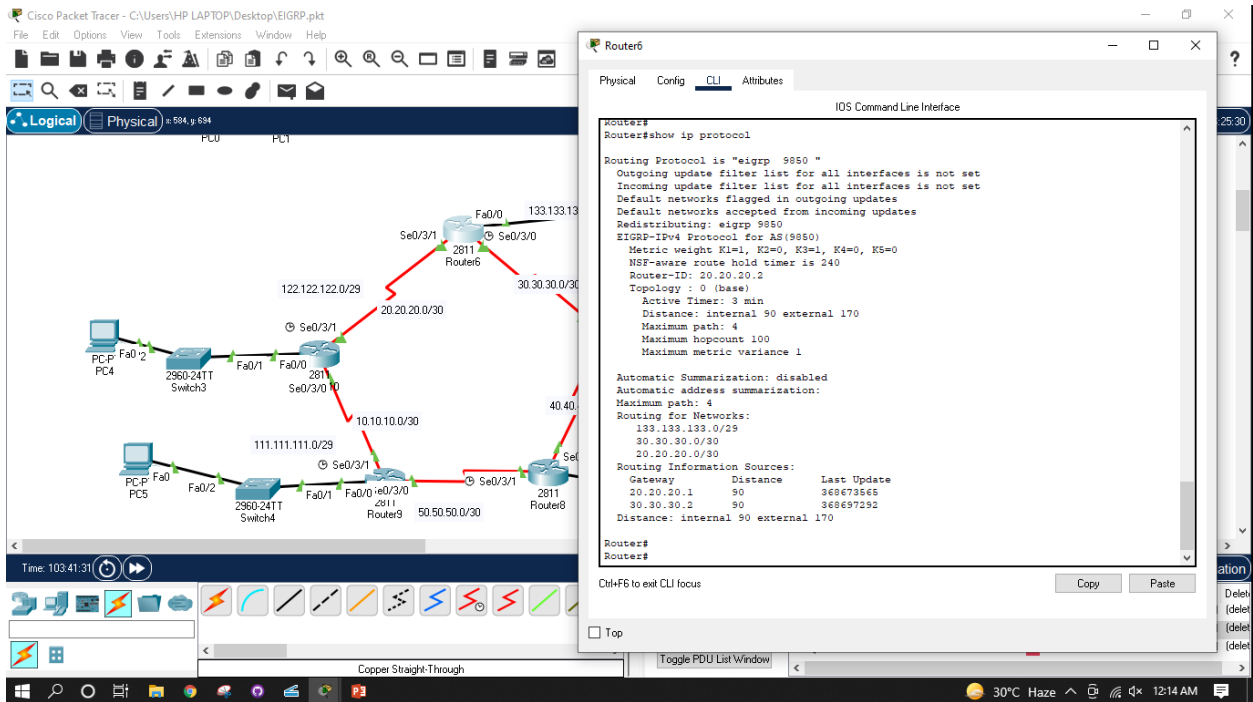
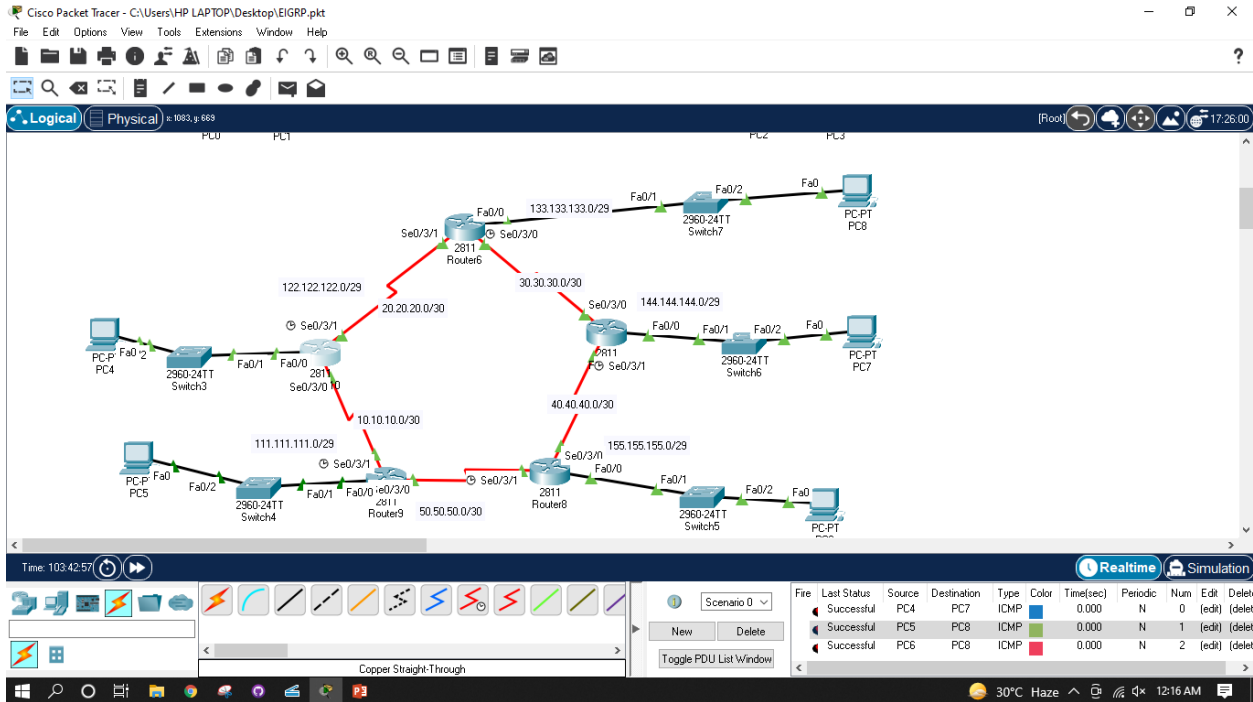


MUHAMMAD USAMA ASHRAF (9850)

EIGRP LAB





Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\EIGRP.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 898, 629

Time: 103:42:13

Router7

Physical Config CLI Attributes

IOS Command Line Interface

```
Router#show ip protocol

Routing Protocol is "eigrp 9850"
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Default networks flagged in outgoing updates
  Default networks accepted from incoming updates
  Redistributing: eigrp 9850
    EIGRP-IPv4 Protocol for AS(9850)
    Metric weight K1=1, K2=0, K3=1, K4=0, K5=0
    NSF-aware route hold timer is 240
    Router-ID: 30.30.30.2
    Topology: 0 (base)
    Active Timer: 3 min
    Distance: internal 90 external 170
    Maximum path: 4
    Maximum hopcount 100
    Maximum metric variance 1

Automatic Summarization: disabled
Automatic address summarization:
Maximum path: 4
Routing for Networks:
  30.30.30.0/30
  40.40.40.0/30
  144.144.144.0/29
Routing Information Sources:
  Gateway         Distance      Last Update
  30.30.30.1       90            369674435
  40.40.40.2       90            369674471
Distance: internal 90 external 170

Router#
Router#
Router#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Simulation

16:55:30

30°C Haze 12:15 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\EIGRP.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 894, 605

Time: 103:42:26

Router8

Physical Config CLI Attributes

IOS Command Line Interface

```
Building configuration...
[OK]
Router#show ip protocol

Routing Protocol is "eigrp 9850"
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Default networks flagged in outgoing updates
  Default networks accepted from incoming updates
  Redistributing: eigrp 9850
    EIGRP-IPv4 Protocol for AS(9850)
    Metric weight K1=1, K2=0, K3=1, K4=0, K5=0
    NSF-aware route hold timer is 240
    Router-ID: 40.40.40.2
    Topology: 0 (base)
    Active Timer: 3 min
    Distance: internal 90 external 170
    Maximum path: 4
    Maximum hopcount 100
    Maximum metric variance 1

Automatic Summarization: disabled
Automatic address summarization:
Maximum path: 4
Routing for Networks:
  40.40.40.0/30
  50.50.50.0/30
  155.155.155.0/29
Routing Information Sources:
  Gateway         Distance      Last Update
  40.40.40.1       90            369666553
Distance: internal 90 external 170

Router#
Router#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Simulation

17:04:30

30°C Haze 12:15 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\EIGRP.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical

Time 103:42:40

Router9

Physical Config CLI Attributes

IOS Command Line Interface

Destination filename [startup-config]?
Building configuration...
[OK]
Router#show ip protocol

Routing Protocol is "eigrp 9850"
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Default networks flagged in outgoing updates
Default networks accepted from incoming updates
Redistributing: eigrp 9850
EIGRP-IPv4 Protocol for AS(9850)
Metric weight K1=1, K2=0, K3=1, K4=0, K5=0
NSF-aware route hold timer is 240
Router-ID: 10.10.10.1
Topology: 0 (base)
Active Timer: 3 min
Distance: internal 90 external 170
Maximum path: 4
Maximum hopcount 100
Maximum metric variance 1

Automatic Summarization: disabled
Automatic address summarization:
Maximum path: 4
Routing for Networks:
50.50.50.0/30
10.10.10.0/30
111.111.111.0/29
Routing Information Sources:
Gateway Distance Last Update
10.10.10.2 90 368630623
Distance: internal 90 external 170

Router#

Ctrl+F8 to exit CLI focus

Copy Paste

Toggle PDU List Window

Successful PC6 PC8 ICMP 0.000 N 2

30°C Haze 12:16 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\EIGRP.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical

Time 103:42:53

Router10

Physical Config CLI Attributes

IOS Command Line Interface

Building configuration...
[OK]
Router#show ip protocol

Routing Protocol is "eigrp 9850"
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Default networks flagged in outgoing updates
Default networks accepted from incoming updates
Redistributing: eigrp 9850
EIGRP-IPv4 Protocol for AS(9850)
Metric weight K1=1, K2=0, K3=1, K4=0, K5=0
NSF-aware route hold timer is 240
Router-ID: 10.10.10.2
Topology: 0 (base)
Active Timer: 3 min
Distance: internal 90 external 170
Maximum path: 4
Maximum hopcount 100
Maximum metric variance 1

Automatic Summarization: disabled
Automatic address summarization:
Maximum path: 4
Routing for Networks:
122.122.122.0/29
20.20.20.0/30
10.10.10.0/30
Routing Information Sources:
Gateway Distance Last Update
20.20.20.2 90 368621857
Distance: internal 90 external 170

Router#

Ctrl+F8 to exit CLI focus

Copy Paste

Toggle PDU List Window

Successful PC6 PC8 ICMP 0.000 N 2

30°C Haze 12:16 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\BGRP.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 337,499

Time: 103:43:13

PC8

Physical Config Desktop Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 133.133.133.2

Subnet Mask: 255.255.255.248

Default Gateway: 133.133.133.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::200:CFF:FE9E:8145

Default Gateway: /

DNS Server: /

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username: /

Password: /

☐ Top

Toggle PDU List Window

Successful PC6 PC8 ICMP 0.000 N 2 (edit) dele

30°C Haze 12:17 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\BGRP.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 338,634

Time: 103:43:18

PC7

Physical Config Desktop Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 144.144.144.2

Subnet Mask: 255.255.255.248

Default Gateway: 144.144.144.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:63FF:FEA9:80A2

Default Gateway: /

DNS Server: /

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username: /

Password: /

☐ Top

Toggle PDU List Window

Successful PC6 PC8 ICMP 0.000 N 2 (edit) dele

30°C Haze 12:17 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\EIGRP.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 291 y. 748

Time: 103:43:30

PC5 Configuration Window:

Interface: FastEthernet0

IP Configuration:

- ☒ DHCP
- ☒ Static
- IPv4 Address: 111.111.111.2
- Subnet Mask: 255.255.255.248
- Default Gateway: 111.111.111.1
- DNS Server: 0.0.0.0

IPv6 Configuration:

- ☒ Automatic
- ☒ Static
- IPv6 Address: [Empty]
- Link Local Address: FE80::2E0:8FFF:FEE9:9D38
- Default Gateway: [Empty]
- DNS Server: [Empty]

802.1X:

- ☐ Use 802.1X Security
- Authentication: MD5
- Username: [Empty]
- Password: [Empty]

Simulation Log:

Num	Edit	Delete
0	(edit)	(delete)
1	(edit)	(delete)
2	(edit)	(delete)

Successful PC6 PC8 ICMP 0.000 N 2

30°C Haze 12:17 AM

Cisco Packet Tracer - C:\Users\HP LAPTOP\Desktop\EIGRP.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 323 y. 564

Time: 103:43:36

PC4 Configuration Window:

Interface: FastEthernet0

IP Configuration:

- ☒ DHCP
- ☒ Static
- IPv4 Address: 122.122.122.2
- Subnet Mask: 255.255.255.248
- Default Gateway: 122.122.122.1
- DNS Server: 0.0.0.0

IPv6 Configuration:

- ☒ Automatic
- ☒ Static
- IPv6 Address: [Empty]
- Link Local Address: FE80::290:21FF:FE29:DA44
- Default Gateway: [Empty]
- DNS Server: [Empty]

802.1X:

- ☐ Use 802.1X Security
- Authentication: MD5
- Username: [Empty]
- Password: [Empty]

Simulation Log:

Num	Edit	Delete
0	(edit)	(delete)
1	(edit)	(delete)
2	(edit)	(delete)

Successful PC6 PC8 ICMP 0.000 N 2

30°C Haze 12:17 AM