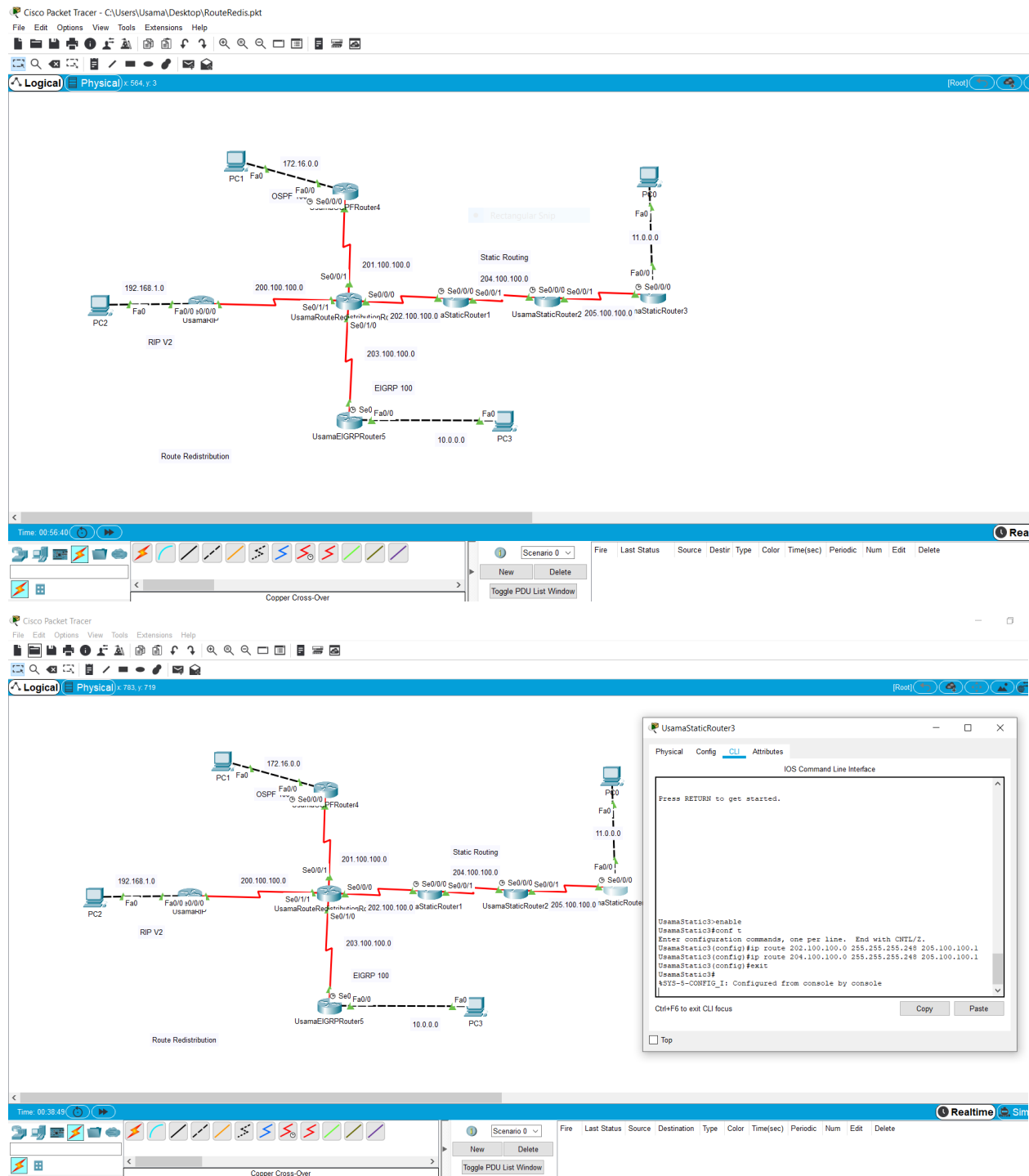


## LAB IIA

Usama Rehman  
9894



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 448, y 4

UsamaStaticRouter2

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```

UsamaStatic2>enable
UsamaStatic2#conf t
Enter configuration commands, one per line. End with CTRL/Z.
UsamaStatic2(config)#ip route 11.0.0.0 255.255.255.248 205.100.100.2
UsamaStatic2(config)#ip route 202.100.100.0 255.255.255.248 204.100.100.1
UsamaStatic2(config)#exit
UsamaStatic2#
%SYS-5-CONFIG_I: Configured from console by console
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 00:37:31

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Copper Cross-Over

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 630, y 13

UsamaStaticRouter1

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```

UsamaStatic1>enable
UsamaStatic1#conf t
Enter configuration commands, one per line. End with CTRL/Z.
UsamaStatic1(config)#ip route 11.0.0.0 255.255.255.248 204.100.100.2
UsamaStatic1(config)#ip route 205.100.100.0 255.255.255.248 204.100.100.2
UsamaStatic1(config)#exit
UsamaStatic1#
%SYS-5-CONFIG_I: Configured from console by console
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 00:35:11

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Plastic PDU List Window

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical 443, p. 38

UsamaEIGRPRouter5

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```
UsamaEIGRP>enable
UsamaEIGRP#conf t
Enter configuration commands, one per line. End with CNTL/Z.
UsamaEIGRP(config)#router eigrp 100
UsamaEIGRP(config-router)#network 203.100.100.0 0.0.0.7
UsamaEIGRP(config-router)#network 10.0.0.0 0.0.0.7
UsamaEIGRP(config-router)#no auto-summary
UsamaEIGRP(config-router)#exit
UsamaEIGRP(config)#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 00:31:03

Scenario 0

New Delete

Toggle PDU List Window

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical 826, p. 12

UsamaOSPFRouter4

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

```
UsamaOSPF>enable
UsamaOSPF#conf t
Enter configuration commands, one per line. End with CNTL/Z.
UsamaOSPF(config)#router ospf 100
UsamaOSPF(config-router)#network 201.100.100.0 0.0.0.7 area 1
UsamaOSPF(config-router)#network 172.16.0.0 0.0.0.7 area 1
UsamaOSPF(config-router)#exit
UsamaOSPF(config)#end
UsamaOSPF#
%SYS-5-CONFIG_I: Configured from console by console
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

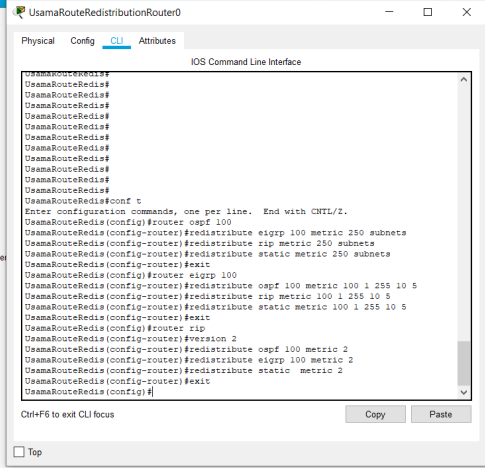
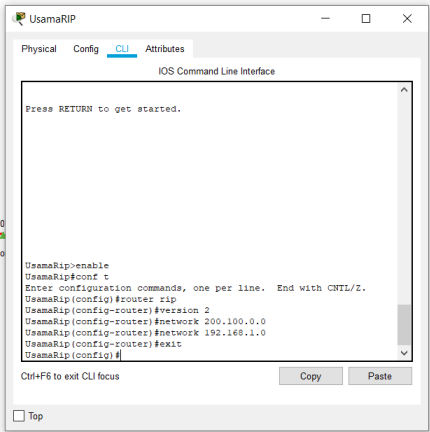
Time: 00:29:55

Scenario 0

New Delete

Toggle PDU List Window

Copper Cross-Over



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical v.2

Route Redistribution

UsamaRouteRedistributionRouter0

Physical Config CLI Attributes

IOS Command Line Interface

```
UsamaRouteRedi>enable
UsamaRouteRedi>conf t
Enter configuration commands, one per line. End with CNTL/Z.
UsamaRouteRedi(config)#router rip
UsamaRouteRedi(config-router)#version 2
UsamaRouteRedi(config-router)#network 200.100.0.0
UsamaRouteRedi(config-router)#exit
UsamaRouteRedi(config)#router eigrp 100
UsamaRouteRedi(config-router)#network 203.100.100.0 0.0.0.7
UsamaRouteRedi(config-router)#
%DUAL-S-HRCHANGE: IP-EIGRP 100: Neighbor 203.100.100.1 (Serial0/1/0) is up:
new adjacency
UsamaRouteRedi(config-router)#no auto-summary
UsamaRouteRedi(config-router)#
%DUAL-S-HRCHANGE: IP-EIGRP 100: Neighbor 203.100.100.1 (Serial0/1/0) resync:
summary configured
UsamaRouteRedi(config-router)#exit
UsamaRouteRedi(config)#router ospf 100
UsamaRouteRedi(config-router)#network 201.100.100.0 0.0.0.7 area 1
UsamaRouteRedi(config-router)#exit
UsamaRouteRedi(config)#ip route 11.0.0.0 255.255.255.248 202.100.100.1
UsamaRouteRedi(config)#ip route 205.100.100.0 255.255.255.248 202.100.100.1
UsamaRouteRedi(config)#ip route 204.100.100.0 255.255.255.248 202.100.100.1
UsamaRouteRedi(config)#exit
UsamaRouteRedi#
%SYS-5-CONFIG_1: Configured from console by console
UsamaRouteRedi#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Crosser Cross-Over

Cisco Packet Tracer - C:\Users\Usama\Desktop\RouteRedis.pkt

File Edit Options View Tools Extensions Help

Logical Physical x:472, y:8

PC2: 192.168.1.0, Fa0/0, UsamaRouter1: 200.100.100.0, Se0/0/0, UsamaRouter2: 201.100.100.0, Se0/0/0, UsamaRouter3: 204.100.100.0, Se0/0/0, UsamaRouter4: 172.16.0.0, Fa0/0, UsamaRouter5: 203.100.100.0, Se0/0/0, PC3: 10.0.0.0, Fa0/0.

Route Redistribution

Time: 01:16:13

Scenario 0

New Delete

Toggle PDU List Window

Realtime Sim

PC2 Command Prompt

```

Packet Tracer PC Command Line 1.0
C:\>ping 11.0.0.2
Pinging 11.0.0.2 with 32 bytes of data:
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Ping statistics for 11.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 10.0.0.2
Pinging 10.0.0.2 with 32 bytes of data:
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 172.16.0.2
Pinging 172.16.0.2 with 32 bytes of data:
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
  
```

Cisco Packet Tracer - C:\Users\Usama\Desktop\RouteRedis.pkt

File Edit Options View Tools Extensions Help

Logical Physical x:847, y:81

PC2: 192.168.1.0, Fa0/0, UsamaRouter1: 200.100.100.0, Se0/0/0, UsamaRouter2: 201.100.100.0, Se0/0/0, UsamaRouter3: 204.100.100.0, Se0/0/0, UsamaRouter4: 172.16.0.0, Fa0/0, UsamaRouter5: 203.100.100.0, Se0/0/0, PC3: 10.0.0.0, Fa0/0.

Route Redistribution

Time: 01:09:43

Scenario 0

New Delete

Toggle PDU List Window

Realtime Sim

UsamaRouteRedistributionRouter0 CLI

```

IOS Command Line Interface

router eigrp 100
 redistribute rip metric 100 0 255 10 5
 redistribute ospf 100 metric 100 1 255 10 5
 redistribute static metric 100 1 255 10 5
 network 203.100.100.0 0.0.0.7
 no auto-summary
!
router eigrp 450
 auto-summary
!
router ospf 100
 log-adjacency-changes
 redistribute rip metric 250 subnets
 redistribute eigrp 100 metric 250 subnets
 redistribute static metric 250 subnets
 network 201.100.100.0 0.0.0.7 area 1
!
router rip
 version 2
 redistribute eigrp 100 metric 2
 redistribute ospf 100 metric 2
 redistribute static metric 2
 network 200.100.0.0
 network 200.100.100.0
!
ip classless
ip route 11.0.0.0 255.255.255.248 202.100.100.1
ip route 205.100.100.0 255.255.255.248 202.100.100.1
ip route 204.100.100.0 255.255.255.248 202.100.100.1
!
Ctrl+H6 to exit CLI focus
  
```