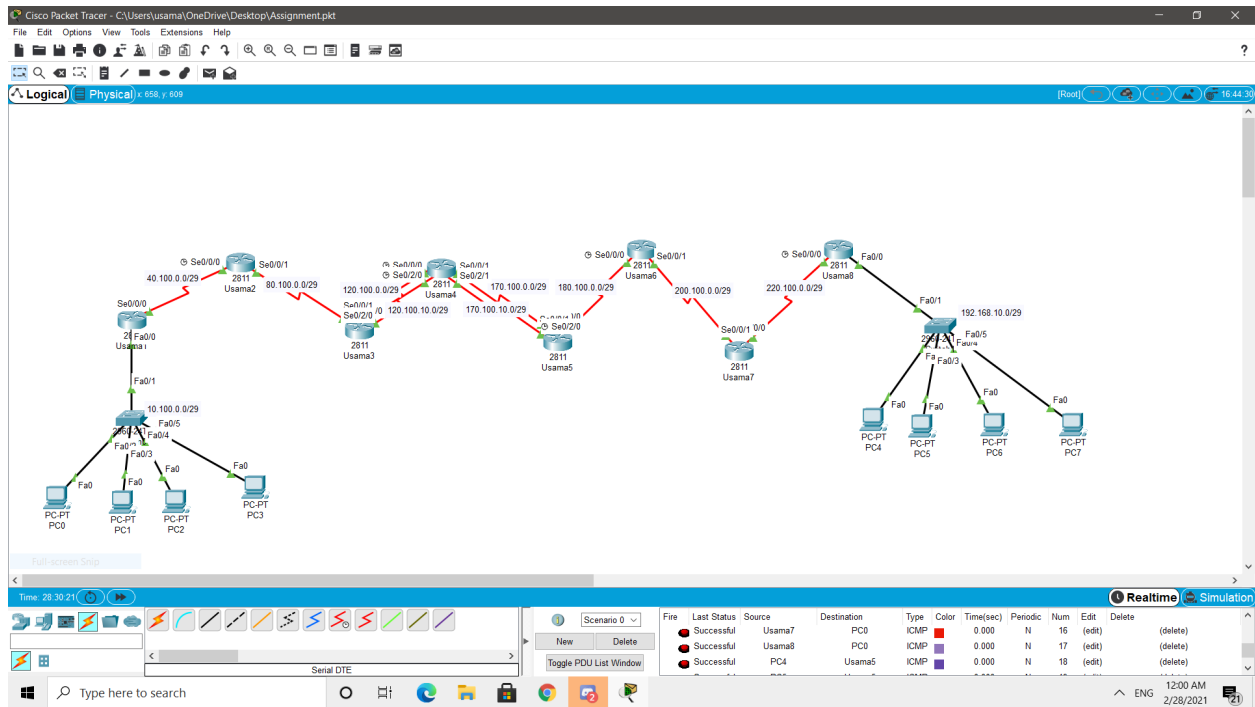


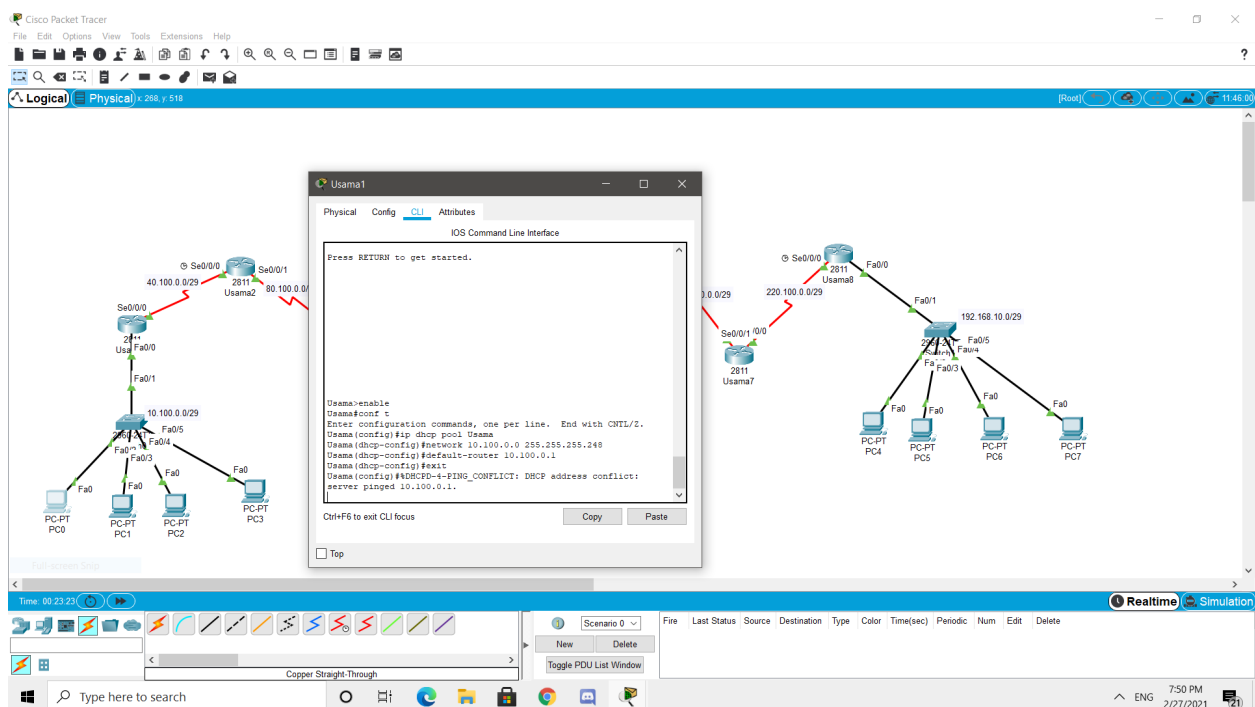
# IJA LAB Assignment

**Usama Rehman**  
**9894**

## Network Diagram



## DHCP :-



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 619 y: 512 [Root] 12:13:00

PC1 Configuration:

- Interface: FastEthernet0
- IP Configuration:
  - DHCP: ☒ DHCP request successful.
  - Static: ☐ Static
  - IPv4 Address: 10.100.0.3
  - Subnet Mask: 255.255.255.248
  - Default Gateway: 10.100.0.1
  - DNS Server: 0.0.0.0
- IPv6 Configuration:
  - Automatic: ☐ Automatic
  - Static: ☒ Static
  - IPv6 Address: [ ] / [ ]
  - Link Local Address: FE80:260:47FF:FE4A:DE1E
  - Default Gateway: [ ]
  - DNS Server: [ ]
- 802.1X: ☐ Use 802.1X Security
- Authentication: [ ]

PC2 Configuration:

- Interface: FastEthernet0
- IP Configuration:
  - DHCP: ☒ DHCP request successful.
  - Static: ☐ Static
  - IPv4 Address: 10.100.0.2
  - Subnet Mask: 255.255.255.248
  - Default Gateway: 10.100.0.1
  - DNS Server: 0.0.0.0
- IPv6 Configuration:
  - Automatic: ☐ Automatic
  - Static: ☒ Static
  - IPv6 Address: [ ] / [ ]
  - Link Local Address: FE80:230:F2FF:FE6B:171A
  - Default Gateway: [ ]
  - DNS Server: [ ]
- 802.1X: ☐ Use 802.1X Security
- Authentication: [ ]

Time: 00:24:16 Realtime Simulation

Scenario 0

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

New Delete

Toggle PDU List Window

Type here to search

ENG 7:50 PM 2/27/2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 536 y: 547 [Root] 12:47:00

Usama2 Configuration:

```

IOS Command Line Interface
Usama2(config)#interface Serial0/0/0, changed state to up
exit
Usama2(config)#interface Serial0/0/1, changed state to up
exit
Usama2(config)#interface fa 0/0
Usama2(config-if)#ip address 192.168.10.1 255.255.255.248
Usama2(config-if)#exit
Usama2(config)#interface fa 0/0
Usama2(config-if)#no shutdown
exit
Usama2(config-if)#
Usama2(config)#ip dhcp pool Usama2
Usama2(dhcp-config)#network 192.168.10.0 255.255.255.248
Usama2(dhcp-config)#default-router 192.168.10.1
Usama2(dhcp-config)#exit
Usama2(config)#no dhcpd-4-PING_CONFLICT: DHCP address conflict: server pinged 192.168.10.1.
  
```

Time: 00:25:23 Realtime Simulation

Scenario 0

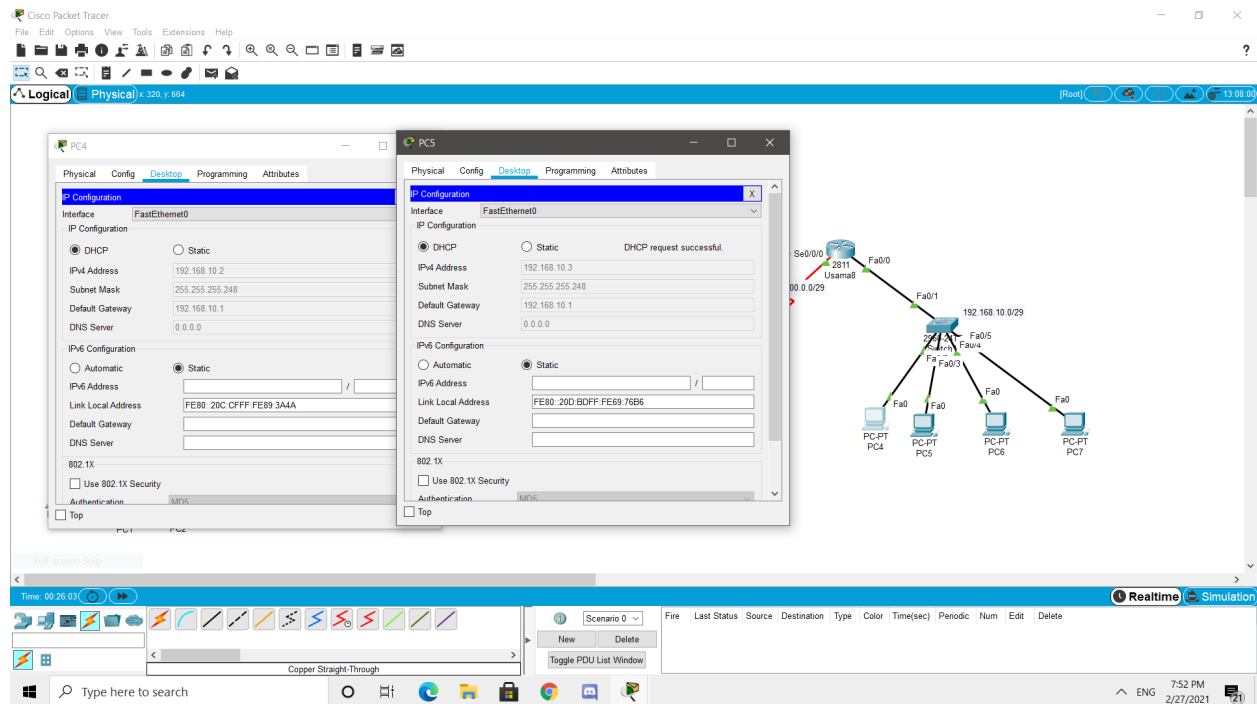
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

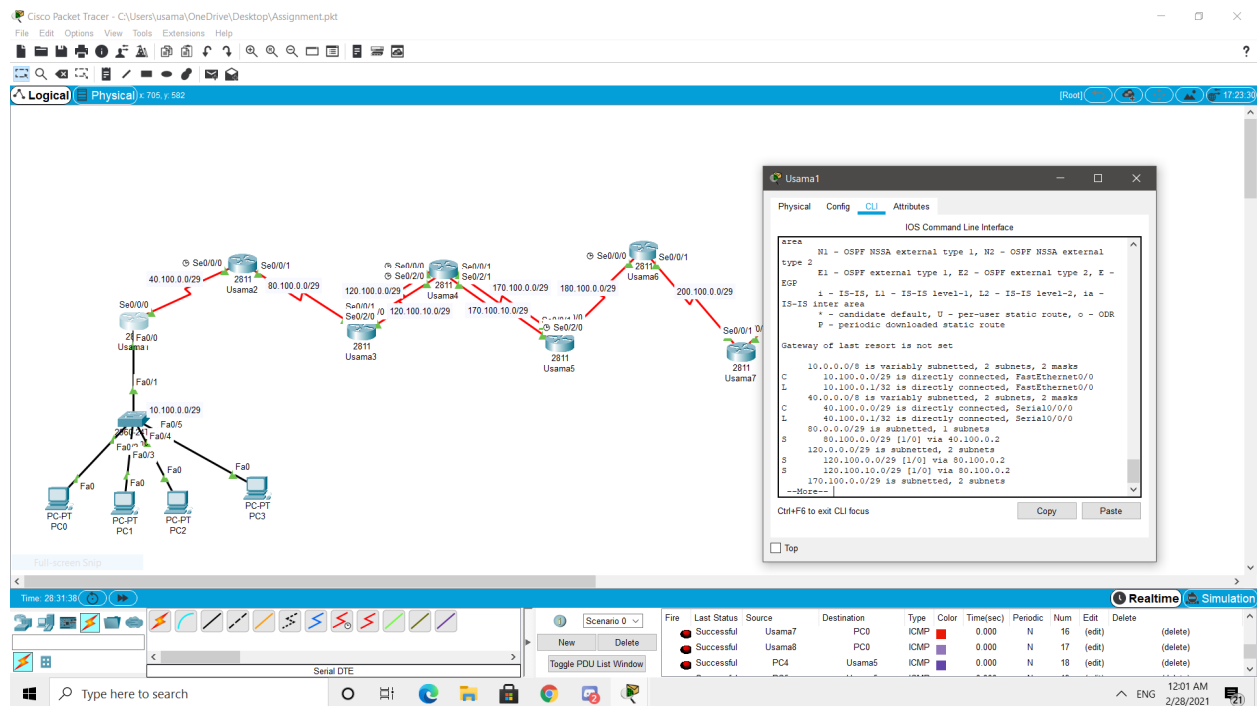
Toggle PDU List Window

Type here to search

ENG 7:52 PM 2/27/2021



## Routing Table



Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 447 y 456 [Root]

Usama2

Physical Config CLI Attributes

IOS Command Line Interface

```

area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E -
EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia -
IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is not set
10.0.0.0/29 is subnetted, 1 subnets
S 10.100.0.0/29 [1/0] via 40.100.0.1
40.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 40.100.0.0/29 is directly connected, Serial0/0/0
L 40.100.0.2/32 is directly connected, Serial0/0/0
80.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 80.100.0.0/29 is directly connected, Serial0/0/1
L 80.100.0.1/32 is directly connected, Serial0/0/1
120.0.0.0/29 is subnetted, 2 subnets
S 120.100.0.0/29 [1/0] via 80.100.0.2
S 120.100.10.0/29 [1/0] via 80.100.0.2
170.100.0.0/29 is subnetted, 2 subnets
--More--
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 20:32:16

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Usama7	PC0	ICMP	Red	0.000	N	16	(edit)	(delete)
Successful	Successful	Usama8	PC0	ICMP	Red	0.000	N	17	(edit)	(delete)
Successful	Successful	PC4	Usama5	ICMP	Purple	0.000	N	18	(edit)	(delete)

ENG 12:01 AM 2/28/2021

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 441 y 556 [Root]

Usama3

Physical Config CLI Attributes

IOS Command Line Interface

```

area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E -
EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia -
IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is not set
10.0.0.0/29 is subnetted, 1 subnets
S 10.100.0.0/29 [5/0] via 80.100.0.1
40.0.0.0/8 is subnetted, 1 subnets
S 40.100.0.0/29 [5/0] via 80.100.0.1
80.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 80.100.0.0/29 is directly connected, Serial0/0/0
L 80.100.0.2/32 is directly connected, Serial0/0/0
120.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C 120.100.0.0/29 is directly connected, Serial0/0/1
L 120.100.0.1/32 is directly connected, Serial0/0/1
C 120.100.10.0/29 is directly connected, Serial0/2/0
L 120.100.10.1/32 is directly connected, Serial0/2/0
--More--
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 20:32:26

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Usama7	PC0	ICMP	Red	0.000	N	16	(edit)	(delete)
Successful	Successful	Usama8	PC0	ICMP	Red	0.000	N	17	(edit)	(delete)
Successful	Successful	PC4	Usama5	ICMP	Purple	0.000	N	18	(edit)	(delete)

ENG 12:02 AM 2/28/2021

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 671 x 549 [Root] 18:00:00

Full-screen Stop

Time: 29:32:56

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Type here to search

Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Usama7	PC0	ICMP	Red	0.000	N	16	(edit)	(delete)
Successful	Successful	Usama6	PC0	ICMP	Red	0.000	N	17	(edit)	(delete)
Successful	Successful	PC4	Usama5	ICMP	Purple	0.000	N	18	(edit)	(delete)

ENG 12:02 AM 2/28/2021

Usama4

Physical Config CLI Attributes

IOS Command Line Interface

```

area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E -
ESP
1 - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, la -
IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route

Gateway of last resort is not set

10.0.0.0/29 is subnetted, 1 subnets
S 10.0.0.0/29 [5/0] via 120.100.0.1
S 40.0.0.0/29 is subnetted, 1 subnets
S 40.0.0.0/29 [5/0] via 120.100.0.1
S 80.0.0.0/29 is subnetted, 1 subnets
S 80.0.0.0/29 [5/0] via 120.100.0.1
S 120.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
S 120.100.0.0/29 is directly connected, Serial0/0/0
L 120.100.0.2/32 is directly connected, Serial0/0/0
C 120.100.10.2/32 is directly connected, Serial0/2/0
L 170.100.0.0/16 is variably subnetted, 4 subnets, 2 masks
--More--

```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 636 x 547 [Root] 18:10:00

Full-screen Stop

Time: 29:33:16

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Type here to search

Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Usama7	PC0	ICMP	Red	0.000	N	16	(edit)	(delete)
Successful	Successful	Usama6	PC0	ICMP	Red	0.000	N	17	(edit)	(delete)
Successful	Successful	PC4	Usama5	ICMP	Purple	0.000	N	18	(edit)	(delete)

ENG 12:02 AM 2/28/2021

Usama5

Physical Config CLI Attributes

IOS Command Line Interface

```

area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E -
ESP
1 - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, la -
IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route

Gateway of last resort is not set

10.0.0.0/29 is subnetted, 1 subnets
S 10.0.0.0/29 [5/0] via 170.100.0.1
S 40.0.0.0/29 is subnetted, 1 subnets
S 40.0.0.0/29 [5/0] via 170.100.0.1
S 80.0.0.0/29 is subnetted, 1 subnets
S 80.0.0.0/29 [5/0] via 170.100.0.1
S 120.0.0.0/29 is subnetted, 2 subnets
S 120.100.0.0/29 [5/0] via 170.100.0.1
S 120.100.10.0/29 [5/0] via 170.100.0.1
S 170.100.0.0/16 is variably subnetted, 4 subnets, 2 masks
C 170.100.0.0/29 is directly connected, Serial0/0/0
L 170.100.0.2/32 is directly connected, Serial0/0/0
--More--

```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical 651 559 [Root] 18:24:00

Usama6

Physical Config CLI Attributes

IOS Command Line Interface

```
area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E -
EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia -
IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route

Gateway of last resort is not set

S 10.0.0.0/8 [1/0] via 100.100.0.1
S 40.0.0.0/8 [1/0] via 100.100.0.1
S 80.0.0.0/8 [1/0] via 100.100.0.1
S 120.0.0.0/8 [1/0] via 100.100.0.1
S 170.0.0.0/8 [1/0] via 100.100.0.1
S 180.100.0.0/16 is variably subnetted, 2 subnets, 2 masks
C 180.100.0.0/29 is directly connected, Serial0/0/0
L 180.100.0.2/32 is directly connected, Serial0/0/0
S 192.0.0.0/8 [1/0] via 200.100.0.2
S 200.100.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 200.100.0.0/29 is directly connected, Serial0/0/1
L 200.100.0.1/32 is directly connected, Serial0/0/1
--More--
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 20:33:31

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Usama7	PC0	ICMP	Red	0.000	N	16	(edit)	(delete)
Successful	Successful	Usama8	PC0	ICMP	Red	0.000	N	17	(edit)	(delete)
Successful	Successful	PC4	Usama5	ICMP	Red	0.000	N	18	(edit)	(delete)

ENG 12:03 AM 2/28/2021

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 723 y: 549 [Root] 18:35:30

Usama7 CLI window:

```

IOS Command Line Interface
area N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E -
ESP
I - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia -
IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is not set
S 10.0.0.0/8 [1/0] via 200.100.0.1
S 40.0.0.0/8 [1/0] via 200.100.0.1
S 80.0.0.0/8 [1/0] via 200.100.0.1
S 120.0.0.0/8 [1/0] via 200.100.0.1
S 170.0.0.0/8 [1/0] via 200.100.0.1
S 180.0.0.0/8 [1/0] via 200.100.0.1
S 192.0.0.0/8 [1/0] via 200.100.0.2
200.100.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 200.100.0.0/29 is directly connected, Serial0/0/0
L 200.100.0.0/32 is directly connected, Serial0/0/0
220.100.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 220.100.0.0/29 is directly connected, Serial0/0/1
--More--
Ctrl+F6 to exit CLI focus
Copy Paste

```

Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Usama7	PC0	ICMP	Red	0.000	N	16	(edit)	(delete)	
Successful	Usama8	PC0	ICMP	Red	0.000	N	17	(edit)	(delete)	
Successful	PC4	Usama5	ICMP	Purple	0.000	N	18	(edit)	(delete)	

Time: 20:34:06

Type here to search

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 733 y: 559 [Root] 18:46:00

Usama8 CLI window:

```

IOS Command Line Interface
area N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E -
EGP
I - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia -
IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is not set
S 10.0.0.0/8 [1/0] via 220.100.0.1
S 40.0.0.0/8 [1/0] via 220.100.0.1
S 80.0.0.0/8 [1/0] via 220.100.0.1
S 120.0.0.0/8 [1/0] via 220.100.0.1
S 170.0.0.0/8 [1/0] via 220.100.0.1
S 180.0.0.0/8 [1/0] via 220.100.0.1
S 192.168.10.0/24 is variably subnetted, 2 subnets, 2 masks
C 192.168.10.0/29 is directly connected, FastEthernet0/0
L 192.168.10.1/32 is directly connected, FastEthernet0/0
S 200.0.0.0/8 [1/0] via 220.100.0.1
220.100.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 220.100.0.0/29 is directly connected, Serial0/0/0
--More--
Ctrl+F6 to exit CLI focus
Copy Paste

```

Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Usama7	PC0	ICMP	Red	0.000	N	16	(edit)	(delete)	
Successful	Usama8	PC0	ICMP	Red	0.000	N	17	(edit)	(delete)	
Successful	PC4	Usama5	ICMP	Purple	0.000	N	18	(edit)	(delete)	

Time: 20:34:21

Type here to search

**Router Configurations IP Route :-**

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 97, y 104 [Root] 09:42:30

**Usama1 Configuration (CLI):**

```

Usama1>enable
Usama1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama1(config)#ip route 80.100.0.0 255.255.255.248 40.100.0.2
Usama1(config)#ip route 120.100.0.0 255.255.255.248 80.100.0.2
Usama1(config)#ip route 120.100.10.0 255.255.255.248 120.100.0.2
Usama1(config)#ip route 170.100.0.0 255.255.255.248 120.100.10.2
Usama1(config)#ip route 170.100.10.0 255.255.255.248 120.100.0.2
Usama1(config)#ip route 180.100.0.0 255.255.255.248 170.100.10.2
Usama1(config)#ip route 200.100.0.0 255.255.255.248 200.100.0.2
Usama1(config)#ip route 220.100.0.0 255.255.255.248 200.100.0.2
Usama1(config)#ip route 192.168.10.0 255.255.255.248 220.100.0.2
Usama1(config)#exit
Usama1#

```

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 01:28:58

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Usama4	Usama2	ICMP	Blue	0.000	N	8	(edit)	(delete)
Successful	Successful	Usama5	Usama2	ICMP	Blue	0.000	N	9	(edit)	(delete)
Successful	Successful	Usama5	Usama1	ICMP	Blue	0.000	N	10	(edit)	(delete)

ENG 10:57 PM 2/27/2021



Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 911 y: 616 [Root] 15:02:00

Full-screen Snap

Time: 02:04:42

Serial DTE

Scenario 0

Toggle PDU List Window

Realtime Simulation

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

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC0	Usa...	ICMP		0.000	N	10	(edit)	(delete)	(delete)
Successful	PC0	Usa...	ICMP		0.000	N	11	(edit)	(delete)	(delete)
Successful	Usa...	Usa...	ICMP		0.000	N	12	(edit)	(delete)	(delete)

ENG 9:32 PM 2/27/2021

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 195 y: 647 [Root] 11:38:30

Full-screen Snap

Time: 02:45:24

Serial DTE

Scenario 0

Toggle PDU List Window

Realtime Simulation

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

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC0	Usa...	ICMP		0.000	N	10	(edit)	(delete)	(delete)
Successful	PC0	Usa...	ICMP		0.000	N	11	(edit)	(delete)	(delete)
Successful	Usa...	Usa...	ICMP		0.000	N	12	(edit)	(delete)	(delete)

ENG 10:13 PM 2/27/2021

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 333, y: 599 [Root] 19:47:30

Full-screen Snap

Time: 01:01:26

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Type here to search

Realtime Simulation

ENG 10:30 PM 2/27/2021

Usama4

Physical Config CLI Attributes

IOS Command Line Interface

```

Usama#
Usama#enable
Usama#conf t
Enter configuration commands, one per line. End with CTRL/Z.
Usama(config)#ip route 10.100.0.0 255.255.255.248 120.100.0.1 5
Usama(config)#ip route 10.100.0.0 255.255.255.248 120.100.0.1 5
Usama(config)#ip route 40.100.0.0 255.255.255.248 120.100.0.1 5
Usama(config)#ip route 80.100.0.0 255.255.255.248 120.100.0.1 5
Usama(config)#ip route 120.100.0.0 255.255.255.248 120.100.0.1 5
Usama(config)#ip route 160.100.0.0 255.255.255.248 120.100.0.2 5
Usama(config)#ip route 180.100.0.0 255.255.255.248 170.100.0.2 5
Usama(config)#ip route 200.100.0.0 255.255.255.248 170.100.0.2 5
Usama(config)#ip route 220.100.0.0 255.255.255.248 170.100.0.2 5
Usama(config)#ip route 240.100.0.0 255.255.255.248 170.100.0.2 5
Usama(config)#exit
Usama#
Usama#show ip route

```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 363, y: 572 [Root] 19:24:00

Full-screen Snap

Time: 01:00:43

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Type here to search

Realtime Simulation

ENG 10:29 PM 2/27/2021

Usama5

Physical Config CLI Attributes

IOS Command Line Interface

```

Usama#enable
Usama#conf t
Enter configuration commands, one per line. End with CTRL/Z.
Usama(config)#ip route 10.100.0.0 255.255.255.248 170.100.0.1 5
Usama(config)#ip route 10.100.0.0 255.255.255.248 170.100.0.1 5
Usama(config)#ip route 40.100.0.0 255.255.255.248 170.100.0.1 5
Usama(config)#ip route 80.100.0.0 255.255.255.248 170.100.0.1 5
Usama(config)#ip route 120.100.0.0 255.255.255.248 170.100.0.1 5
Usama(config)#ip route 160.100.0.0 255.255.255.248 170.100.0.2 5
Usama(config)#ip route 180.100.0.0 255.255.255.248 170.100.0.2 5
Usama(config)#ip route 200.100.0.0 255.255.255.248 180.100.0.2 5
Usama(config)#ip route 220.100.0.0 255.255.255.248 180.100.0.2 5
Usama(config)#exit
Usama#
Usama#show ip route

```

Ctrl+F6 to exit CLI focus

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Top

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical 144 x 557 [Root] 12:46:30

Full-screen Snap

Time: 04:22:30

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Usama5	PC0	ICMP	Green	0.000	N	13	(edit)	(delete)
Successful	Successful	PC0	Usama5	ICMP	Purple	0.000	N	14	(edit)	(delete)
Successful	Successful	Usama6	PC0	ICMP	Teal	0.000	N	15	(edit)	(delete)

ENG 11:52 PM 2/27/2021

Usama6

Physical Config CLI Attributes

IOS Command Line Interface

```
Usama>enable
Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#ip route 10.0.0.0 255.0.0.0 180.100.0.1
Usama(config)#ip route 40.0.0.0 255.0.0.0 180.100.0.1
Usama(config)#ip route 80.0.0.0 255.0.0.0 180.100.0.1
Usama(config)#ip route 120.0.0.0 255.0.0.0 180.100.0.1
Usama(config)#ip route 170.0.0.0 255.0.0.0 180.100.0.1
Usama(config)#ip route 192.0.0.0 255.0.0.0 200.100.0.2
Usama(config)#ip route 220.0.0.0 255.0.0.0 200.100.0.2
Usama(config)#exit
Usama#
$SYS-S-CONFIG_1: Configured from console by console
```

Ctrl+F6 to exit CLI focus

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Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 972 y: 563 [Root] 14:25:30

Full-screen Stop

Time: 04:25:41

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

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

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	PC0	Usama5	ICMP	0.000	N	14	(edit)	(delete)	(delete)
Successful	Successful	Usama6	PC0	ICMP	0.000	N	15	(edit)	(delete)	(delete)
Successful	Successful	Usama7	PC0	ICMP	0.000	N	16	(edit)	(delete)	(delete)

ENG 11:55 PM 2/27/2021

Usama7

Physical Config CLI Attributes

IOS Command Line Interface

```

Usama>enable
Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#ip route 10.0.0.0 255.0.0.0 200.100.0.1
Usama(config)#ip route 40.0.0.0 255.0.0.0 200.100.0.1
Usama(config)#ip route 80.0.0.0 255.0.0.0 200.100.0.1
Usama(config)#ip route 120.0.0.0 255.0.0.0 200.100.0.1
Usama(config)#ip route 170.0.0.0 255.0.0.0 200.100.0.1
Usama(config)#ip route 180.0.0.0 255.0.0.0 200.100.0.1
Usama(config)#ip route 192.0.0.0 255.0.0.0 220.100.0.2
Usama(config)#exit
Usama#
%SYS-5-CONFIG_I: Configured from console by console
  
```

Ctrl+F6 to exit CLI focus

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Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\Assignment.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 495 y: 534 [Root] 15:12:30

Full-screen Stop

Time: 04:27:20

Serial DTE

Scenario 0

New Delete

Toggle PDU List Window

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

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	PC0	Usama5	ICMP	0.000	N	14	(edit)	(delete)	(delete)
Successful	Successful	Usama6	PC0	ICMP	0.000	N	15	(edit)	(delete)	(delete)
Successful	Successful	Usama7	PC0	ICMP	0.000	N	16	(edit)	(delete)	(delete)

ENG 11:56 PM 2/27/2021

Usama8

Physical Config CLI Attributes

IOS Command Line Interface

```

Usama>enable
Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#ip route 10.0.0.0 255.0.0.0 220.100.0.1
Usama(config)#ip route 40.0.0.0 255.0.0.0 220.100.0.1
Usama(config)#ip route 80.0.0.0 255.0.0.0 220.100.0.1
Usama(config)#ip route 120.0.0.0 255.0.0.0 220.100.0.1
Usama(config)#ip route 170.0.0.0 255.0.0.0 220.100.0.1
Usama(config)#ip route 180.0.0.0 255.0.0.0 220.100.0.1
Usama(config)#ip route 200.0.0.0 255.0.0.0 220.100.0.1
Usama(config)#exit
Usama#
%SYS-5-CONFIG_I: Configured from console by console
  
```

Ctrl+F6 to exit CLI focus

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