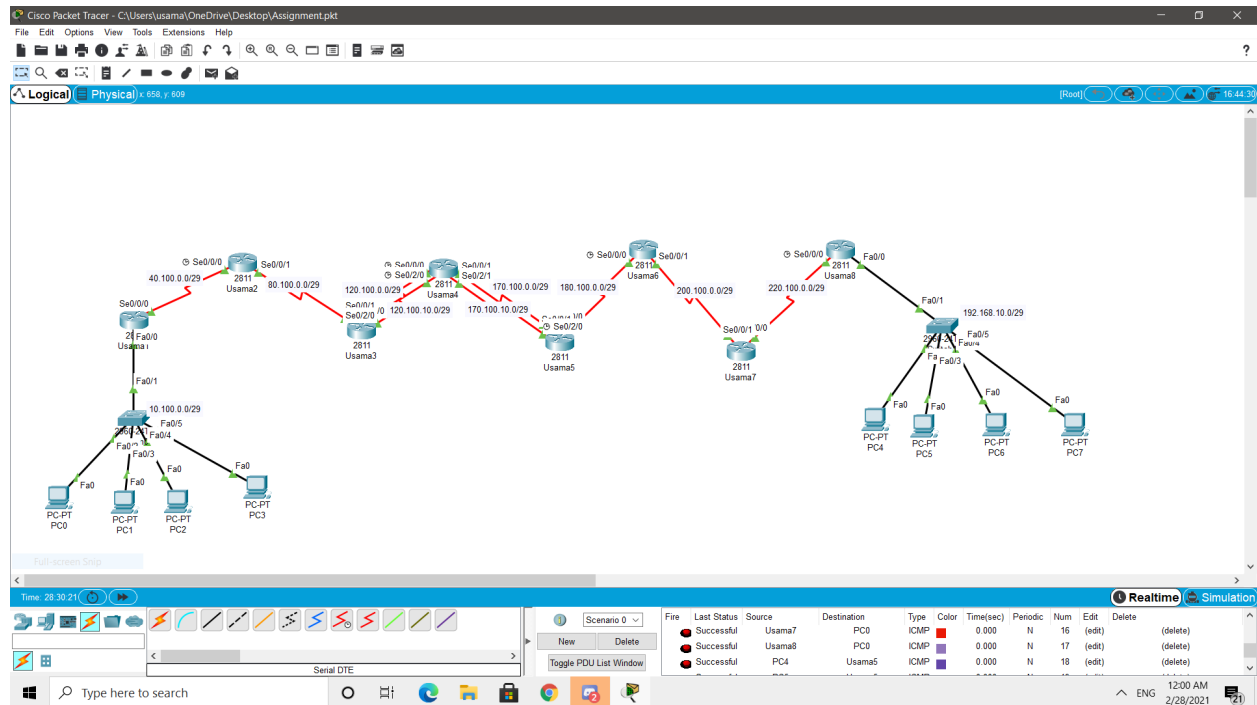


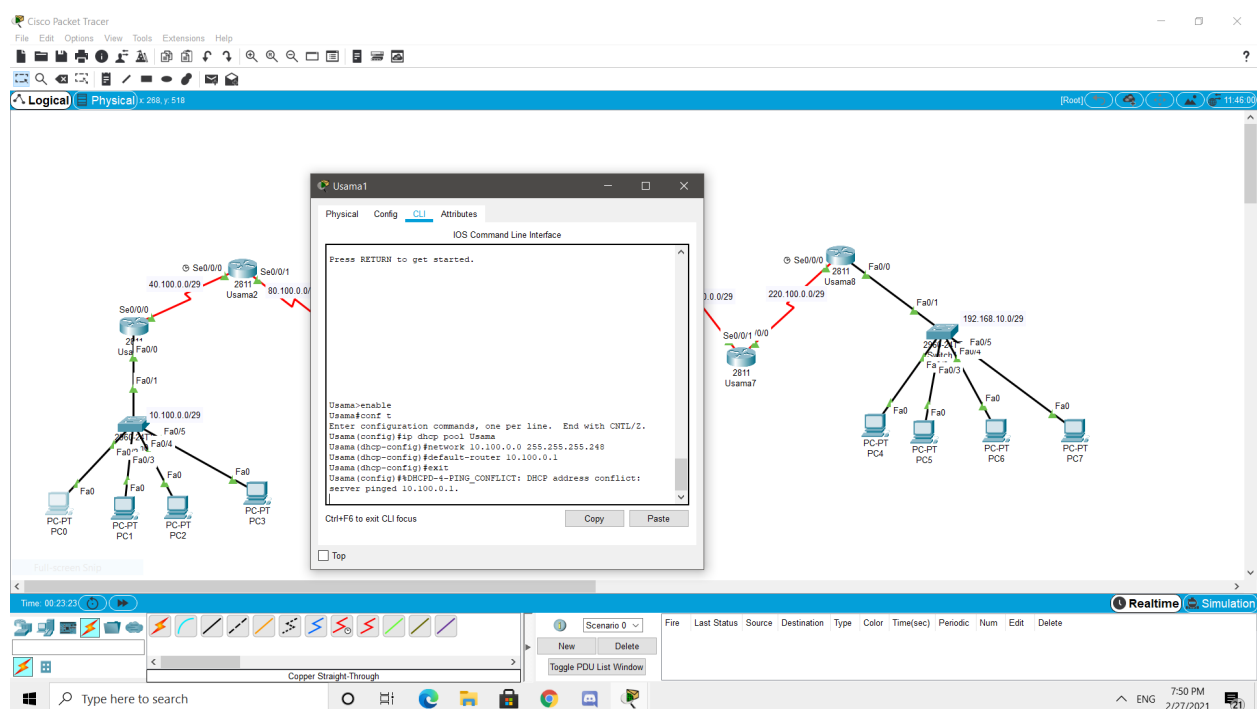
IIA LAB Assignment

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

Usama8 Configuration:

```

IOS Command Line Interface
Usama8(config)#interface Serial0/0/0, changed state to up
exit
Usama8(config)#interface FastEthernet0/0, changed state to up
exit
Usama8(config)#ip address 192.168.10.1 255.255.255.248
Usama8(config)#exit
Usama8(config)#ip dhcp pool Usama8
Usama8(dhcp-config)#network 192.168.10.0 255.255.255.248
Usama8(dhcp-config)#default-router 192.168.10.1
Usama8(dhcp-config)#exit
Usama8(config)#no shutdown
Usama8(config)#exit
Usama8(config)#ip dhcp pool Usama8
Usama8(dhcp-config)#network 192.168.10.0 255.255.255.248
Usama8(dhcp-config)#default-router 192.168.10.1
Usama8(dhcp-config)#exit
Usama8(config)#no shutdown
Usama8(config)#exit
Usama8(config)#ip dhcp pool Usama8
Usama8(dhcp-config)#network 192.168.10.0 255.255.255.248
Usama8(dhcp-config)#default-router 192.168.10.1
Usama8(dhcp-config)#exit
Usama8(config)#no shutdown
Usama8(config)#exit

```

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

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 320 y: 664 [Root] 13:08:00

PC4 PC5

Physical Config Desktop Programming Attributes

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IPv4 Address 192.168.10.2

Subnet Mask 255.255.255.248

Default Gateway 192.168.10.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80:20C:CFFF:FE89:3A4A

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDC

Top

PC5

Physical Config Desktop Programming Attributes

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IPv4 Address 192.168.10.3

Subnet Mask 255.255.255.248

Default Gateway 192.168.10.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80:20D:BDFF:FE69:76B6

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDC

Top

Se0/0/0 2811 Usama0 00 0 0/29

Fa0/0

Fa0/1

Fa0/2

Fa0/3

Fa0/4

Fa0/5

192.168.10.0/29

PC-PT PC4

PC-PT PC5

PC-PT PC6

PC-PT PC7

Full-screen Help

Time: 00:26:03

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

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

Copper Straight-Through

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 432 y 565

Full-screen Stop

Time: 00:04:26

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
Failed	PC5	Usama1	ICMP		0.000	N	24	(edit)	(delete)	
Successful	PC4	Usama1	ICMP		0.000	N	25	(edit)	(delete)	
Successful	PC4	Usama2	ICMP		0.000	N	26	(edit)	(delete)	

ENG 2:43 AM 3/1/2021

Usama1

Physical Config CLI Attributes

IOS Command Line Interface

```

1 - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, is -
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

10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 10.100.0.0/29 is directly connected, FastEthernet0/0
L 10.100.0.1/32 is directly connected, FastEthernet0/0
C 40.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 40.100.0.0/29 is directly connected, Serial10/0/0
L 40.100.0.1/32 is directly connected, Serial10/0/0
L 80.0.0.0/29 is subnetted, 1 subnets
S 80.100.0.0/29 [1/0] via 40.100.0.2
S 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
S 170.100.0.0/29 is subnetted, 2 subnets
S 170.100.0.0/29 [1/0] via 120.100.0.2
S 170.100.10.0/29 [1/0] via 120.100.10.2
S 180.100.0.0/29 is subnetted, 1 subnets
S 180.100.0.0/29 [1/0] via 170.100.0.2
S 192.168.10.0/29 is subnetted, 1 subnets
S 192.168.10.0/29 [1/0] via 200.100.0.2
S 200.100.0.0/29 is subnetted, 1 subnets
S 200.100.0.0/29 [1/0] via 180.100.0.2
S 220.100.0.0/29 is subnetted, 1 subnets
S 220.100.0.0/29 [1/0] via 200.100.0.2

Usama#
Ctrl+F6 to exit CLI focus
Copy Paste

```

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

File Edit Options View Tools Extensions Help

Logical Physical x 480 y 578

Full-screen Stop

Time: 00:05:06

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
Failed	PC5	Usama1	ICMP		0.000	N	24	(edit)	(delete)	
Successful	PC4	Usama1	ICMP		0.000	N	25	(edit)	(delete)	
Successful	PC4	Usama2	ICMP		0.000	N	26	(edit)	(delete)	

ENG 2:44 AM 3/1/2021

Usama2

Physical Config CLI Attributes

IOS Command Line Interface

```

E1 - OSPF external type 1, E2 - OSPF external type 2, E -
EGP
1 - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, is -
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
C 40.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 40.100.0.0/29 is directly connected, Serial10/0/0
L 40.100.0.1/32 is directly connected, Serial10/0/0
C 80.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 80.100.0.0/29 is directly connected, Serial10/0/1
L 80.100.0.1/32 is directly connected, Serial10/0/1
L 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
S 170.100.0.0/29 is subnetted, 2 subnets
S 170.100.0.0/29 [1/0] via 80.100.0.2
S 170.100.10.0/29 [1/0] via 80.100.0.2
S 180.100.0.0/29 is subnetted, 1 subnets
S 180.100.0.0/29 [1/0] via 80.100.0.2
S 192.168.10.0/29 is subnetted, 1 subnets
S 192.168.10.0/29 [1/0] via 80.100.0.2
S 200.100.0.0/29 is subnetted, 1 subnets
S 200.100.0.0/29 [1/0] via 80.100.0.2
S 220.100.0.0/29 is subnetted, 1 subnets
S 220.100.0.0/29 [1/0] via 80.100.0.2

Usama#
Ctrl+F6 to exit CLI focus
Copy Paste

```

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

File Edit Options View Tools Extensions Help

Logical Physical x: 265 y: 402

Full-screen Stop

Time: 00:05:30

Scenario 0

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
Failed	PC5	Usama1	ICMP		0.000	N	24	(edit)	(delete)	
Successful	PC4	Usama1	ICMP		0.000	N	25	(edit)	(delete)	
Successful	PC4	Usama2	ICMP		0.000	N	26	(edit)	(delete)	

ENG 2:44 AM 3/1/2021

Usama3

Physical Config CLI Attributes

IOS Command Line Interface

```

EoP
1 - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, is -
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
S 40.0.0.0/29 is subnetted, 1 subnets
S 40.100.0.0/29 [5/0] via 80.100.0.1
S 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
C 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
S 170.100.0.0/29 is subnetted, 2 subnets
S 170.100.0.0/29 [5/0] via 120.100.0.2
S 170.100.10.0/29 [5/0] via 120.100.0.2
S 180.100.0.0/29 is subnetted, 2 subnets
S 180.100.0.0/29 [5/0] via 120.100.0.2
S 180.100.10.0/29 [5/0] via 120.100.0.2
S 192.168.10.0/29 is subnetted, 1 subnets
S 192.168.10.0/29 [5/0] via 120.100.0.2
S 200.100.0.0/29 is subnetted, 1 subnets
S 200.100.0.0/29 [5/0] via 120.100.0.2
S 200.100.10.0/29 is subnetted, 1 subnets
S 200.100.10.0/29 [5/0] via 120.100.0.2
S 220.100.0.0/29 is subnetted, 1 subnets
S 220.100.0.0/29 [5/0] via 120.100.0.2
Usama#
  
```

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: 493 y: 566

Full-screen Stop

Time: 00:06:11

Scenario 0

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
Failed	PC5	Usama1	ICMP		0.000	N	24	(edit)	(delete)	
Successful	PC4	Usama1	ICMP		0.000	N	25	(edit)	(delete)	
Successful	PC4	Usama2	ICMP		0.000	N	26	(edit)	(delete)	

ENG 2:45 AM 3/1/2021

Usama4

Physical Config CLI Attributes

IOS Command Line Interface

```

1 - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-1, is -
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 120.100.0.1
S 40.0.0.0/29 is subnetted, 1 subnets
S 40.100.0.0/29 [5/0] via 120.100.0.1
S 80.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
S 80.100.0.0/29 [5/0] via 120.100.0.1
S 120.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C 120.100.0.0/29 is directly connected, Serial0/0/0
L 120.100.0.2/32 is directly connected, Serial0/0/0
C 120.100.10.0/29 is directly connected, Serial0/2/0
L 120.100.10.1/32 is directly connected, Serial0/2/0
S 170.100.0.0/29 is subnetted, 4 subnets, 2 masks
S 170.100.0.0/29 is directly connected, Serial0/0/1
L 170.100.0.1/32 is directly connected, Serial0/0/1
S 170.100.10.0/29 is directly connected, Serial0/2/1
L 170.100.10.1/32 is directly connected, Serial0/2/1
S 180.100.0.0/29 is subnetted, 1 subnets
S 180.100.0.0/29 [5/0] via 170.100.0.2
S 192.168.10.0/29 is subnetted, 1 subnets
S 192.168.10.0/29 [1/0] via 170.100.0.2
S 200.100.0.0/29 is subnetted, 1 subnets
S 200.100.0.0/29 [5/0] via 170.100.0.2
S 220.100.0.0/29 is subnetted, 1 subnets
S 220.100.0.0/29 [5/0] via 170.100.0.2
Usama#
  
```

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: 500, y: 492

Full-screen Stop

Time: 00:13:41

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
Failed	PC5	Usama1	ICMP		0.000	N	24	(edit)	(delete)	
Successful	PC4	Usama1	ICMP		0.000	N	25	(edit)	(delete)	
Successful	PC4	Usama2	ICMP		0.000	N	26	(edit)	(delete)	

ENG 2:53 AM 3/1/2021

Usama5

Physical Config CLI Attributes

IOS Command Line Interface

```

EIGRP
  1 - 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 10.0.0.0/29 is subnetted, 1 subnets
  10.0.0.0/29 [S/0] via 170.100.0.1
S 40.0.0.0/29 is subnetted, 1 subnets
  40.0.0.0/29 [S/0] via 170.100.0.1
S 80.0.0.0/29 is subnetted, 1 subnets
  80.0.0.0/29 [S/0] via 170.100.0.1
S 120.0.0.0/29 is subnetted, 2 subnets
  120.0.0.0/29 [S/0] via 170.100.0.1
S 120.100.0.0/29 [S/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
L 170.100.10.0/29 is directly connected, Serial0/2/0
L 180.100.0.0/16 is variably subnetted, 2 subnets, 2 masks
C 180.100.0.0/29 is directly connected, Serial0/0/1
L 180.100.0.2/32 is directly connected, Serial0/0/1
L 192.168.10.0/29 is subnetted, 1 subnets
S 192.168.10.0/29 [S/0] via 180.100.0.2
S 200.100.0.0/29 is subnetted, 1 subnets
C 200.100.0.0/29 [S/0] via 180.100.0.2
S 220.100.0.0/29 is subnetted, 1 subnets
C 220.100.0.0/29 [S/0] via 180.100.0.2

Usama#
  
```

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: 726, y: 426

Full-screen Stop

Time: 00:07:40

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
Failed	PC5	Usama1	ICMP		0.000	N	24	(edit)	(delete)	
Successful	PC4	Usama1	ICMP		0.000	N	25	(edit)	(delete)	
Successful	PC4	Usama2	ICMP		0.000	N	26	(edit)	(delete)	

ENG 2:46 AM 3/1/2021

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 -
EIGRP
  1 - 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 180.100.0.1
S 40.0.0.0/8 [1/0] via 180.100.0.1
S 80.0.0.0/8 [1/0] via 180.100.0.1
S 120.0.0.0/8 [1/0] via 180.100.0.1
S 170.0.0.0/8 [1/0] via 180.100.0.1
L 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
L 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 200.100.0.2/32 is directly connected, Serial0/0/1
S 220.0.0.0/8 [1/0] via 200.100.0.2

Usama#
Usama#
Usama#
  
```

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 445 y 494

[Root] 04/07/20

Usama7

Physical Config CLI Attributes

IOS Command Line Interface

area
 N1 - OSPF NSSA external type 1, N2 - OSPF NSSA 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 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 220.100.0.2
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 200.100.0.2/32 is directly connected, Serial0/0/0
C 220.100.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 220.100.0.0/29 is directly connected, Serial0/0/1
L 220.100.0.1/32 is directly connected, Serial0/0/1
  
```

Usama#
 Usama#

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 00:00:06

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
Failed	PC5	Usama1	ICMP		0.000	N	24	(edit)	(delete)	
Successful	PC4	Usama1	ICMP		0.000	N	25	(edit)	(delete)	
Successful	PC4	Usama2	ICMP		0.000	N	26	(edit)	(delete)	

ENG 2:47 AM 3/1/2021

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

File Edit Options View Tools Extensions Help

Logical Physical x 495 y 476

[Root] 04/20/20

Usama8

Physical Config CLI Attributes

IOS Command Line Interface

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
C 220.100.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 220.100.0.0/29 is directly connected, Serial0/0/0
L 220.100.0.2/32 is directly connected, Serial0/0/0
  
```

Usama#
 Usama#

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 00:00:36

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
Failed	PC5	Usama1	ICMP		0.000	N	24	(edit)	(delete)	
Successful	PC4	Usama1	ICMP		0.000	N	25	(edit)	(delete)	
Successful	PC4	Usama2	ICMP		0.000	N	26	(edit)	(delete)	

ENG 2:47 AM 3/1/2021

Router Configurations IP Route :-

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

File Edit Options View Tools Extensions Help

Logical Physical x 57, y 104 [Root] 09:42:30

Usama1

```

Usama>enable
Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#ip route 80.100.0.0 255.255.255.248 40.100.0.2
Usama(config)#ip route 120.100.0.0 255.255.255.248 80.100.0.2
Usama(config)#ip route 170.100.0.0 255.255.255.248 120.100.0.2
Usama(config)#ip route 180.100.0.0 255.255.255.248 120.100.0.2
Usama(config)#ip route 192.168.10.0 255.255.255.248 120.100.0.2
Usama(config)#ip route 200.100.0.0 255.255.255.248 180.100.0.2
Usama(config)#ip route 220.100.0.0 255.255.255.248 200.100.0.2
Usama(config)#ip route 192.168.10.0 255.255.255.248 220.100.0.2
Usama(config)#exit
Usama#
%SYS-5-CONFIGD_1: Configured from console by console
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 01:28:58

Scenario 0

New Delete

Toggle PDU List Window

Serial DTE

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	Successful	Usama4	Usama2	ICMP		0.000	N	8	(edit)	(delete)
●	Successful	Usama5	Usama1	ICMP		0.000	N	9	(edit)	(delete)
●	Successful	Usama5	Usama1	ICMP		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 511, y 616 [Root] 15:02:00

Usama2

```

%LINK-3-UPDOWN: Interface Serial0/0/1, changed state to down
%LINEPROTO-3-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to down
%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up
Usama>enable
Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#ip route 10.100.0.0 255.255.255.248 40.100.0.1
Usama(config)#ip route 120.100.0.0 255.255.255.248 80.100.0.2
Usama(config)#ip route 170.100.0.0 255.255.255.248 120.100.0.2
Usama(config)#ip route 180.100.0.0 255.255.255.248 120.100.0.2
Usama(config)#ip route 192.168.10.0 255.255.255.248 120.100.0.2
Usama(config)#ip route 200.100.0.0 255.255.255.248 180.100.0.2
Usama(config)#ip route 220.100.0.0 255.255.255.248 200.100.0.2
Usama(config)#ip route 192.168.10.0 255.255.255.248 220.100.0.2
Usama(config)#exit
  
```

Ctrl+F6 to exit CLI focus

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Top

Time: 02:04:42

Scenario 0

New Delete

Toggle PDU List Window

Serial DTE

Fire	Last Status	Source	Destin	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	Successful	PC0	Usa...	ICMP		0.000	N	10	(edit)	(delete)
●	Successful	PC0	Usa...	ICMP		0.000	N	11	(edit)	(delete)
●	Successful	Usa...	Usa...	ICMP		0.000	N	12	(edit)	(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: 196 y: 647 [Root]

Full-screen Stop

Time: 02:45:24

Serial DTE

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 10:13 PM 2/27/2021

Usama3

Physical Config CLI Attributes

IOS Command Line Interface

Usama3>configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Usama3(config)#ip route 10.100.0.0 255.255.255.248 80.100.0.1 5

Usama3(config)#ip route 40.100.0.0 255.255.255.248 120.100.0.1 5

Usama3(config)#ip route 170.100.0.0 255.255.255.248 120.100.0.2 5

Usama3(config)#ip route 170.100.0.0 255.255.255.248 120.100.10.2 10

Usama3(config)#ip route 170.100.10.0 255.255.255.248 120.100.0.2 5

Usama3(config)#ip route 170.100.10.0 255.255.255.248 120.100.10.2 10

Usama3(config)#ip route 180.100.0.0 255.255.255.248 120.100.0.2 5

Usama3(config)#ip route 180.100.0.0 255.255.255.248 120.100.10.2 10

Usama3(config)#ip route 200.100.0.0 255.255.255.248 120.100.0.2 5

Usama3(config)#ip route 200.100.0.0 255.255.255.248 120.100.10.2 10

Usama3(config)#ip route 220.100.0.0 255.255.255.248 120.100.0.2 5

Usama3(config)#ip route 220.100.0.0 255.255.255.248 120.100.10.2 10

Usama3(config)#ip route 192.168.10.0 255.255.255.248 120.100.0.2 5

Usama3(config)#ip route 192.168.10.0 255.255.255.248 120.100.10.2 10

Usama3(config)#

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: 333 y: 599 [Root]

Full-screen Stop

Time: 03:01:29

Serial DTE

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 10:30 PM 2/27/2021

Usama4

Physical Config CLI Attributes

IOS Command Line Interface

Usama4>configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Usama4(config)#ip route 10.100.0.0 255.255.255.248 120.100.0.1 5

Usama4(config)#ip route 40.100.0.0 255.255.255.248 120.100.0.1 5

Usama4(config)#ip route 80.100.0.0 255.255.255.248 120.100.10.1 10

Usama4(config)#ip route 80.100.0.0 255.255.255.248 120.100.0.1 5

Usama4(config)#ip route 80.100.0.0 255.255.255.248 120.100.10.1 10

Usama4(config)#ip route 80.100.0.0 255.255.255.248 120.100.0.1 5

Usama4(config)#ip route 180.100.0.0 255.255.255.248 170.100.0.2 5

Usama4(config)#ip route 180.100.0.0 255.255.255.248 170.100.10.2 10

Usama4(config)#ip route 200.100.0.0 255.255.255.248 170.100.0.2 5

Usama4(config)#ip route 200.100.0.0 255.255.255.248 170.100.10.2 10

Usama4(config)#ip route 220.100.0.0 255.255.255.248 170.100.0.2 5

Usama4(config)#ip route 220.100.0.0 255.255.255.248 170.100.10.2 10

Usama4(config)#ip route 192.168.10.0 255.255.255.248 170.100.0.2 5

Usama4(config)#ip route 192.168.10.0 255.255.255.248 170.100.10.2 10

Usama4(config)#

Ctrl+F6 to exit CLI focus

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IOS Command Line Interface

```
%LINK-5-CHANGED: Interface Serial0/2/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1,
changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/2/1,
changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/2/0,
changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0,
changed state to up

Usama>enable
Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#ip route 192.168.10.0 255.255.255.248 170.100.0.2
Usama(config)#ip route 192.168.10.0 255.255.255.248 170.100.10.2
Usama(config)#exit
Usama#
%SYS-5-CONFIG_I: Configured from console by console
```

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

Full-screen Stop

Time: 01:00:43

Serial DTE

Type here to search

Scenario 0

New Delete

Toggle PDU List Window

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 CNTL/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 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 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 120.100.0.0 255.255.255.248 170.100.0.1 5
Usama(config)#ip route 120.100.0.0 255.255.255.248 170.100.0.1 5
Usama(config)#ip route 120.100.0.0 255.255.255.248 170.100.0.1 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#
$SYS-S-CONFIG_1: Configured from console by console
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

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

File Edit Options View Tools Extensions Help

Logical Physical x: 544, y: 557 [Root] 12:46:30

Full-screen Stop

Time: 04:22:30

Serial DTE

Type here to search

Scenario 0

New Delete

Toggle PDU List Window

Realtime Simulation

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 10.100.0.0 255.0.0.0 180.100.0.1
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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Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	Successful	Usama5	PC0	ICMP	0.000	N	13	(edit)	(delete)	
Successful	Successful	PC0	Usama5	ICMP	0.000	N	14	(edit)	(delete)	
Successful	Successful	Usama6	PC0	ICMP	0.000	N	15	(edit)	(delete)	

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

Copy Paste

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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

Copy Paste

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