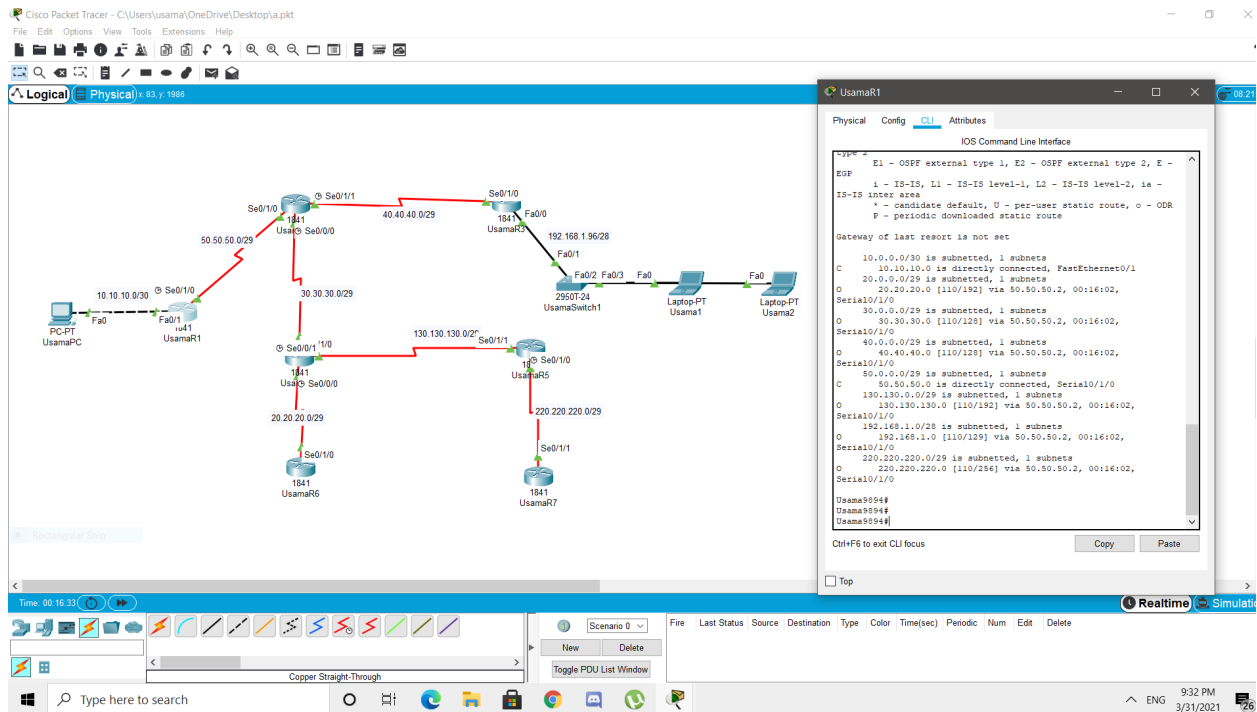
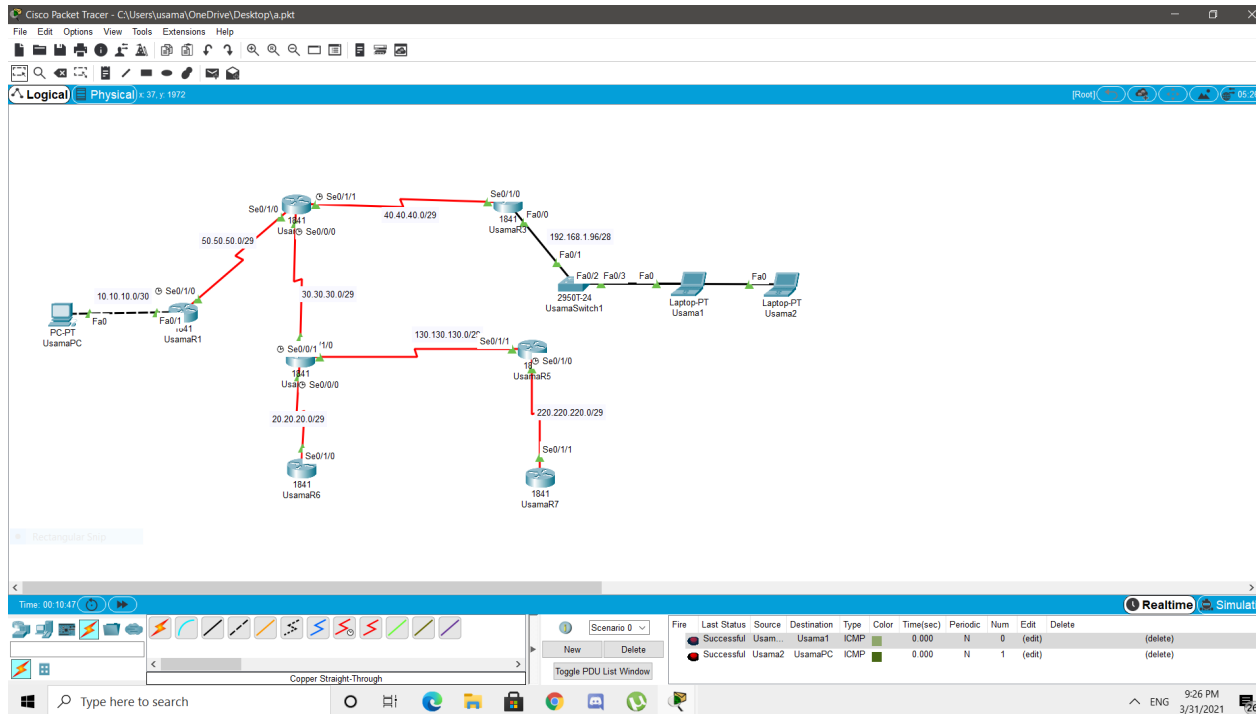
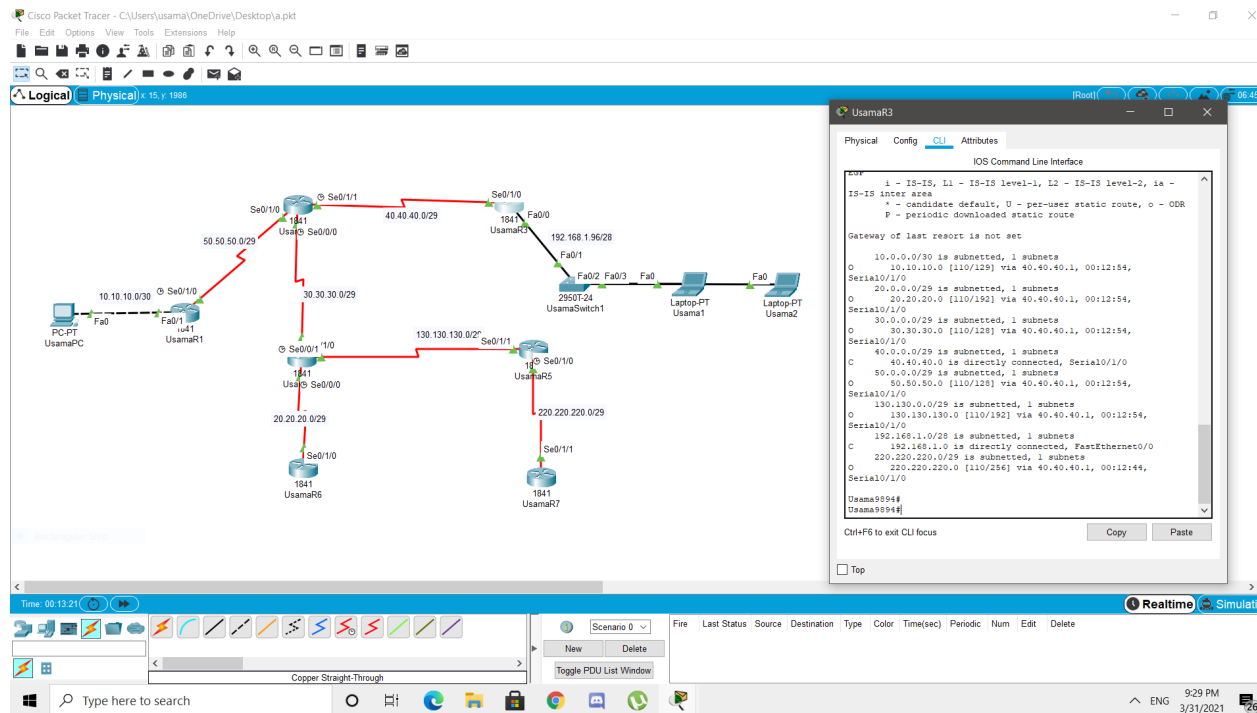


# LAB OSPF

Usama Rehman

9894





Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\p1.pkt

File Edit Options View Tools Extensions Help

Logical Physical 1, 2134

UsamaR4

Physical Config CLI Attributes

IOS Command Line Interface

```
!S-TS inner area
! - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route

Gateway of last resort is not set

10.0.0.0/30 is subnetted, 1 subnets
O 10.10.10.0 [110/129] via 30.30.30.1, 00:13:10,
Serial10/1/0
20.0.0.0/29 is subnetted, 1 subnets
C 20.20.20.0 is directly connected, Serial10/0/0
30.0.0.0/29 is subnetted, 1 subnets
C 30.30.30.0 is directly connected, Serial10/1/0
40.0.0.0/29 is subnetted, 1 subnets
O 40.40.40.0 [110/128] via 30.30.30.1, 00:13:20,
Serial10/1/0
50.0.0.0/29 is subnetted, 1 subnets
O 50.50.50.0 [110/128] via 30.30.30.1, 00:13:20,
Serial10/1/0
130.130.0.0/29 is subnetted, 1 subnets
C 130.130.130.0 is directly connected, Serial10/0/1
192.168.1.0/24 is subnetted, 1 subnets
O 192.168.1.0 [110/129] via 30.30.30.1, 00:13:10,
Serial10/1/0
220.220.220.0/29 is subnetted, 1 subnets
O 220.220.220.0 [110/128] via 130.130.130.2, 00:13:20,
Serial10/0/1

Usama9999#
Usama9999#
Usama9999#
Usama9999#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 00:13:46

Scenario 0

New Delete

Toggle PDU List Window

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

Type here to search

ENG 9:29 PM 3/31/2021

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\p1.pkt

File Edit Options View Tools Extensions Help

Logical Physical 1, 2297

UsamaR5

Physical Config CLI Attributes

IOS Command Line Interface

```
P - periodic downloaded static route

Gateway of last resort is not set

10.0.0.0/30 is subnetted, 1 subnets
O 10.10.10.0 [110/193] via 130.130.130.1, 00:13:34,
Serial10/1/1
20.0.0.0/29 is subnetted, 1 subnets
O 20.20.20.0 [110/128] via 130.130.130.1, 00:13:44,
Serial10/1/1
30.0.0.0/29 is subnetted, 1 subnets
O 30.30.30.0 [110/128] via 130.130.130.1, 00:13:44,
Serial10/1/1
40.0.0.0/29 is subnetted, 1 subnets
O 40.40.40.0 [110/192] via 130.130.130.1, 00:13:34,
Serial10/1/1
50.0.0.0/29 is subnetted, 1 subnets
O 50.50.50.0 [110/192] via 130.130.130.1, 00:13:34,
Serial10/1/1
130.130.0.0/29 is subnetted, 1 subnets
C 130.130.130.0 is directly connected, Serial10/1/1
192.168.1.0/24 is subnetted, 1 subnets
O 192.168.1.0 [110/193] via 130.130.130.1, 00:13:34,
Serial10/1/1
220.220.220.0/29 is subnetted, 1 subnets
C 220.220.220.0 is directly connected, Serial10/1/0

Usama9999#
Usama9999#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Time: 00:14:10

Scenario 0

New Delete

Toggle PDU List Window

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

Type here to search

ENG 9:29 PM 3/31/2021

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

File Edit Options View Tools Extensions Help

Logical Physical 1, v 2208

UsamaR6

Physical Config CLI Attributes

IOS Command Line Interface

```
! - 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

10.0.0.0/30 is subnetted, 1 subnets
O 10.10.10.0 [110/193] via 20.20.20.1, 00:14:25, Serial0/1/0
20.0.0.0/29 is subnetted, 1 subnets
C 20.20.20.0 is directly connected, Serial0/1/0
30.0.0.0/29 is subnetted, 1 subnets
O 30.30.30.0 [110/128] via 20.20.20.1, 00:14:25, Serial0/1/0
40.0.0.0/29 is subnetted, 1 subnets
O 40.40.40.0 [110/192] via 20.20.20.1, 00:14:25, Serial0/1/0
50.50.50.0 [110/192] via 20.20.20.1, 00:14:25, Serial0/1/0
130.130.130.0 [110/128] via 20.20.20.1, 00:14:25, Serial0/1/0
192.168.1.0/29 is subnetted, 1 subnets
O 192.168.1.0 [110/193] via 20.20.20.1, 00:14:25, Serial0/1/0
220.220.220.0/29 is subnetted, 1 subnets
O 220.220.220.0 [110/192] via 20.20.20.1, 00:14:25, Serial0/1/0

Usama9894#
Usama9894#
Usama9894#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 00:14:58

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 9:30 PM 3/31/2021

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

File Edit Options View Tools Extensions Help

Logical Physical 12, v 2188

UsamaR7

Physical Config CLI Attributes

IOS Command Line Interface

```
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route

Gateway of last resort is not set

10.0.0.0/30 is subnetted, 1 subnets
O 10.10.10.0 [110/257] via 220.220.220.1, 00:14:53, Serial0/1/1
20.0.0.0/29 is subnetted, 1 subnets
O 20.20.20.0 [110/192] via 220.220.220.1, 00:14:53, Serial0/1/1
30.0.0.0/29 is subnetted, 1 subnets
O 30.30.30.0 [110/192] via 220.220.220.1, 00:14:53, Serial0/1/1
40.0.0.0/29 is subnetted, 1 subnets
O 40.40.40.0 [110/192] via 220.220.220.1, 00:14:53, Serial0/1/1
50.50.50.0 [110/256] via 220.220.220.1, 00:14:53, Serial0/1/1
130.130.130.0 [110/128] via 220.220.220.1, 00:14:53, Serial0/1/1
192.168.1.0/29 is subnetted, 1 subnets
O 192.168.1.0 [110/257] via 220.220.220.1, 00:14:53, Serial0/1/1
220.220.220.0/29 is subnetted, 1 subnets
C 220.220.220.0 is directly connected, Serial0/1/1

Usama9894#
Usama9894#
Usama9894#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 00:15:31

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 9:31 PM 3/31/2021

Cisco Packet Tracer - C:\Users\usama\OneDrive\Desktop\1a.pkt

File Edit Options View Tools Extensions Help

Logical Physical 100% 1/1/20

Diagram showing a network topology with routers (UsamaR1-R7), switches (UsamaSwitch1), and PCs (UsamaPC, Usama1, Usama2). Connections are labeled with IP addresses and interface names.

UsamaPC

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.111

Pinging 192.168.1.111 with 32 bytes of data:
Reply from 192.168.1.111: bytes=32 time=3ms TTL=125
Reply from 192.168.1.111: bytes=32 time=3ms TTL=125
Reply from 192.168.1.111: bytes=32 time=6ms TTL=125
Reply from 192.168.1.111: bytes=32 time=3ms TTL=125

Ping statistics for 192.168.1.111:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 6ms, Average = 4ms
C:\>
```

Time: 00:18:59

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful		UsamaPC	Usama1	ICMP		0.000	N	0	(edit)	(delete)
Successful		Usama2	UsamaPC	ICMP		0.000	N	1	(edit)	(delete)

ENG 9:34 PM 3/31/2021