

LAB WORK:

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 1036, y: 299 [Root] 22:38:00

Time: 02:20:16 [Realtime] [Simulation]

Automatically Choose Connection Type

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 207, y: 171 [Root] 22:50:00

Port	Link	VLAN	IP Address	IPv6 Address	MAC Address
FastEthernet0/0	Down	--	<not set>	<not set>	00E0.B079.0A01
FastEthernet0/1	Down	--	<not set>	<not set>	00E0.B079.0A02
Serial0/2/0	Up	--	10.0.0.1/8	<not set>	<not set>
Serial0/2/1	Down	--	<not set>	<not set>	<not set>
Vlan1	Down	1	<not set>	<not set>	0040.0BE6.3A71

Hostname: OmarKhan10619

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

Time: 02:20:40 [Realtime] [Simulation]

Automatically Choose Connection Type

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 207, y: 171 [Root] 22:50:00

MUHAMMAD UMAR KHAN 10619

NC LAB#11

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 378, y: 176 [Root]

2811 OmarRouter1 10.0.0.0/8

2812 OmarRouter2 192.168.2.0/24

172.16.1.0/16

Port	Link	VLAN	IP Address	IPv6 Address	MAC Address
FastEthernet0/0	Down	--	<not set>	<not set>	000A.4118.7301
FastEthernet0/1	Down	--	<not set>	<not set>	000A.4118.7302
Serial0/2/0	Up	--	10.0.0.2/8	<not set>	<not set>
Serial0/2/1	Up	--	192.168.2.1/24	<not set>	<not set>
Vlan1	Down	1	<not set>	<not set>	0090.2119.8049

Hostname: OmarKhan10619

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

Time: 02:20:55 [Realtime] [Simulation]

Automatically Choose Connection Type

Type here to search

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 561, y: 189 [Root]

2811 OmarRouter1 10.0.0.0/8

2812 OmarRouter2 192.168.2.0/24

172.16.1.0/16

Port	Link	VLAN	IP Address	IPv6 Address	MAC Address
FastEthernet0/0	Up	--	172.16.1.1/16	<not set>	00E0.B06E.AA01
FastEthernet0/1	Down	--	<not set>	<not set>	00E0.B06E.AA02
Serial0/2/0	Up	--	192.168.2.2/24	<not set>	<not set>
Serial0/2/1	Down	--	<not set>	<not set>	<not set>
Vlan1	Down	1	<not set>	<not set>	00DA.F359.A634

Hostname: OmarKhan10619

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

Time: 02:21:28 [Realtime] [Simulation]

Automatically Choose Connection Type

Type here to search

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File Edit Options View Tools Extensions Help

Logical Physical x: 859, y: 320 [Root] 23:30:30

Port FaastEthernet0 Link Up IP Address 172.16.1.2/16 IPv6 Address <not set> MAC Address 000A.417A.0B8D -PT rPC0 16.1.2
Bluetooth Down <not set> <not set> 0009.7CCE.3775

Gateway: 172.16.1.1
DNS Server: <not set>
Line Number: <not set>

Physical Location: Intercity, Home City, Corporate Office

Time: 02:22:01 Realtime Simulation

Automatically Choose Connection Type

Type here to search

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 1053, y: 279 [Root] 03:23:00

OmarRouter1

Physical Config CLI Attributes

IOS Command Line Interface

```
OmarKhan10619>en
OmarKhan10619#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter 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

C 10.0.0.0/8 is directly connected, Serial0/2/0
  172.16.0.0/24 is subnetted, 1 subnets
    S 172.16.1.0 [1/0] via 10.0.0.2
    S 192.168.2.0/24 [1/0] via 10.0.0.2

OmarKhan10619#
```

Ctrl+F6 to exit CLI focus Copy Paste

Time: 02:29:43 Realtime Simulation

Automatically Choose Connection Type

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NC LAB#11

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File Edit Options View Tools Extensions Help

Logical Physical x 979 y 300

2811 OmarRouter1 10.0.0.0/8 192.168.2.0/24

OmarRouter2

Physical Config CLI Attributes

IOS Command Line Interface

```
OmarKhan10619>en
OmarKhan10619#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter 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

C    10.0.0.0/8 is directly connected, Serial0/2/0
C    172.16.0.0/24 is subnetted, 1 subnets
S    172.16.1.0 [1/0] via 192.168.2.2
C    192.168.2.0/24 is directly connected, Serial0/2/1

OmarKhan10619#
```

Ctrl+F6 to exit CLI focus

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Time: 02:30:06

Realtime Simulation

Automatically Choose Connection Type

Type here to search

Cisco Packet Tracer - C:\Users\tanzim\Desktop\LAB#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 999 y 339

2811 OmarRouter1 10.0.0.0/8 192.168.2.0/24

OmarRouter3

Physical Config CLI Attributes

IOS Command Line Interface

```
OmarKhan10619>en
OmarKhan10619#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter 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 192.168.2.1
C    172.16.0.0/16 is directly connected, FastEthernet0/0
C    192.168.2.0/24 is directly connected, Serial0/2/0

OmarKhan10619#
```

Ctrl+F6 to exit CLI focus

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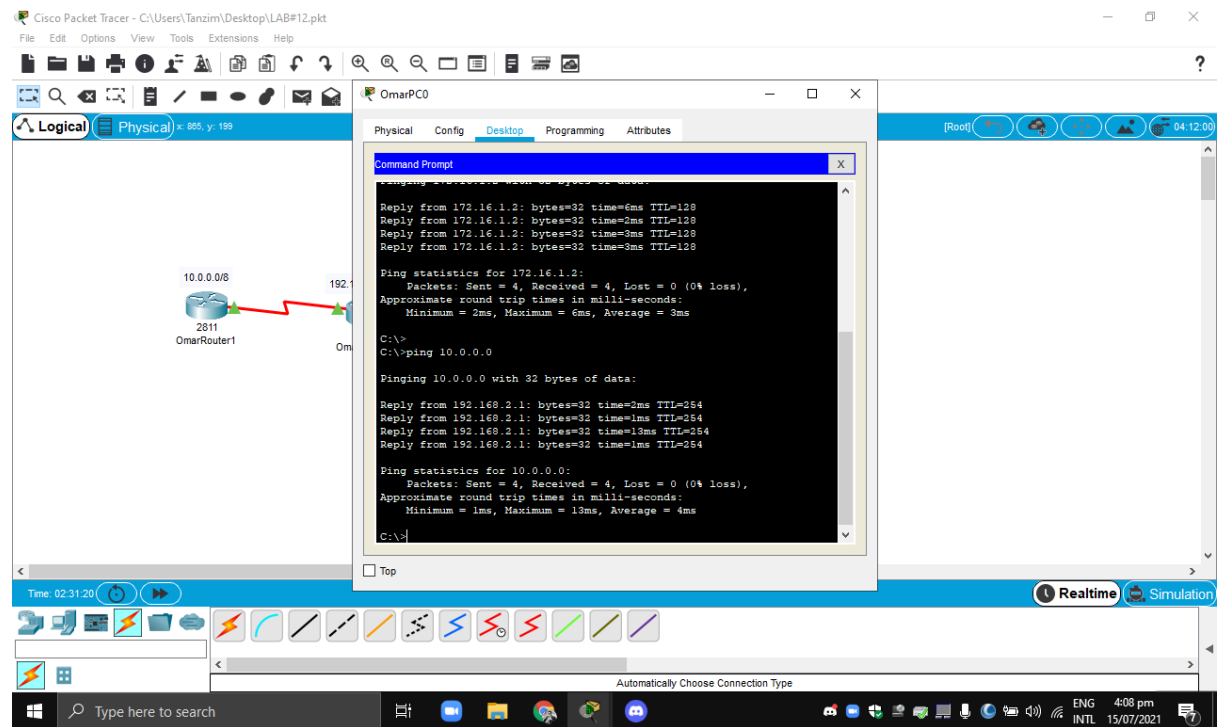
Time: 02:30:32

Realtime Simulation

Automatically Choose Connection Type

Type here to search

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NC LAB#11



LAB TASK:

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 789, y: 370 [Root]

Time: 00:09:32 Realtime Simulation

2620XM

Type here to search

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 139, y: 218 [Root]

Time: 00:09:55 Realtime Simulation

2901

Type here to search

Port	Link	VLAN	IP Address	IPv6 Address	MAC Address
FastEthernet0/0	Down	--	<not set>	<not set>	0030.F2C3.B401
FastEthernet0/1	Down	--	<not set>	<not set>	0030.F2C3.B402
Serial0/2/0	Up	--	132.126.6.2/16	<not set>	<not set>
Serial0/2/1	Down	--	<not set>	<not set>	<not set>
Vlan1	Down	1	<not set>	<not set>	0060.5CD8.8A8E

Hostname: omarkhan10619

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

MUHAMMAD UMAR KHAN 10619

NC LAB#11

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical 4:402, y: 208 [Root] 05:08:30

Port Link VLAN IP Address IPv6 Address MAC Address

FastEthernet0/0	Down	--	<not set>	<not set>	0060.5CBC.3E01
FastEthernet0/1	Down	--	<not set>	<not set>	0060.5CBC.3E02
Serial0/2/0	Up	--	132.126.6.3/16	<not set>	<not set>
Serial0/2/1	Up	--	196.173.26.1/24	<not set>	<not set>
Vlan1	Down	1	<not set>	<not set>	00DA.F3C3.EC06

Hostname: Omarkhaan10619

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

Time: 00:10:14 Realtime Simulation

(Select a Device to Drag and Drop to the Workspace)

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 618, y: 196 [Root] 05:19:00

Port Link VLAN IP Address IPv6 Address MAC Address

FastEthernet0/0	Down	--	<not set>	<not set>	0005.5E75.A001
FastEthernet0/1	Down	--	<not set>	<not set>	0005.5E75.A002
Serial0/2/0	Up	--	196.173.26.2/24	<not set>	<not set>
Serial0/2/1	Up	--	130.114.12.9/16	<not set>	<not set>
Vlan1	Down	1	<not set>	<not set>	0090.0C17.A09D

Hostname: omarkhaan10619

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

Time: 00:10:35 Realtime Simulation

(Select a Device to Drag and Drop to the Workspace)

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NC LAB#11

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 872, y 205 [Root] 05:29:00

132.126.6.0/16 196.173.26.0/24 130.114.12.0/16

Port Link VLAN IP Address IPv6 Address MAC Address

Port	Link	VLAN	IP Address	IPv6 Address	MAC Address
FastEthernet0/0	Down	--	<not set>	<not set>	00E0.F9C9.BE01
FastEthernet0/1	Down	--	<not set>	<not set>	00E0.F9C9.BE02
Serial10/2/0	Up	--	130.114.12.10/16	<not set>	<not set>
Serial10/2/1	Down	--	<not set>	<not set>	<not set>
Vlan1	Down	1	<not set>	<not set>	00D0.BA15.3B65

Hostname: omarkhan10619

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

Time: 00:10:55 Realtime Simulation

4331 4321 1941 2901 2911 81910X 819KQW 829 1240 PTRouter PTEmpty 1841 26200N 26210M 2811

(Select a Device to Drag and Drop to the Workspace)

Type here to search

Cisco Packet Tracer - C:\Users\Tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 343, y 269 [Root] 05:47:30

2811 OMARRouter01 132.126.6.0/16

Physical Config CLI Attributes

IOS Command Line Interface

```
!LINEPROTO-5-UPDOWN: Line protocol on Interface Serial10/2/0, changed
state to up

omarkhan10619>en
omarkhan10619#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B -
      BGP
      D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter 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

  130.114.0.0/24 is subnetted, 1 subnets
    S   130.114.12.0 [1/0] via 132.126.6.3
    C   132.126.0.0/16 is directly connected, Serial10/2/0
    S   196.173.26.0/24 [1/0] via 132.126.6.3

omarkhan10619#
```

Ctrl+F6 to exit CLI focus Copy Paste

Time: 00:11:31 Realtime Simulation

4331 4321 1941 2901 2911 81910X 819KQW 829 1240 PTRouter PTEmpty 1841 26200N 26210M 2811

ISR4321

Type here to search

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NC LAB#11

Cisco Packet Tracer - C:\Users\tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 415, y: 207

Physical Config CLI Attributes

IOS Command Line Interface

```
%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

Omarkhaan10619>show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter 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

130.114.0.0/24 is subnetted, 1 subnets
S    130.114.12.0 [1/0] via 196.173.26.2
C    132.126.0.0/16 is directly connected, Serial0/2/0
C    196.173.26.0/24 is directly connected, Serial0/2/1

Omarkhaan10619>
```

Ctrl+F6 to exit CLI focus

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Time: 00:11:55

Realtime Simulation

4331 4321 1941 2901 2911 81910X 819KGW 829 1240 PTHouter PTHempty 1841 262009 262104 2811

ISR4331

Type here to search

ENG 6:48 pm INTL 15/07/2021

Cisco Packet Tracer - C:\Users\tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 1039, y: 302

Physical Config CLI Attributes

IOS Command Line Interface

```
omarkhan10619>show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter 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

C    130.114.0.0/16 is directly connected, Serial0/2/1
S    132.126.0.0/24 is subnetted, 1 subnets
     132.126.6.0 [1/0] via 196.173.26.1
C    196.173.26.0/24 is directly connected, Serial0/2/0

omarkhan10619>
```

Ctrl+F6 to exit CLI focus

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Time: 00:12:21

Realtime Simulation

4331 4321 1941 2901 2911 81910X 819KGW 829 1240 PTHouter PTHempty 1841 262009 262104 2811

ISR4331

Type here to search

ENG 6:49 pm INTL 15/07/2021

MUHAMMAD UMAR KHAN 10619

NC LAB#11

Cisco Packet Tracer - C:\Users\tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 875, y: 203

OMARRouter01

132.126.6.0/16

2811

OMARRouter04

Physical Config CLI Attributes

IOS Command Line Interface

```
omar Khan10619>show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter 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

C    130.114.0.0/16 is directly connected, Serial0/2/0
S    132.126.6.0/24 [1/0] via 130.114.12.9
S    196.173.26.0/24 [1/0] via 130.114.12.9

omar Khan10619>
```

Ctrl+F6 to exit CLI focus

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Time: 00:12:48

Realtime Simulation

4331 4321 1941 2901 2911 81910X 81910W 829 1240 PTHolder PTEmpty 1841 262009 262104 2811

2901

Type here to search

ENG 6:49 pm 15/07/2021

Cisco Packet Tracer - C:\Users\tanzim\Desktop\LAB TASK#12.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 1150, y: 273

OMARRouter01

132.126.6.0/16

2811

OMARRouter01

Physical Config CLI Attributes

IOS Command Line Interface

```
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter 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

130.114.0.0/24 is subnetted, 1 subnets
S    130.114.12.0 [1/0] via 132.126.6.3
C    132.126.6.0/16 is directly connected, Serial0/2/0
S    196.173.26.0/24 [1/0] via 132.126.6.3

omar Khan10619#
omar Khan10619#en
omar Khan10619#ping 130.114.12.10

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 130.114.12.10, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 3/6/12 ms

omar Khan10619#
```

Ctrl+F6 to exit CLI focus

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Time: 00:13:31

Realtime Simulation

4331 4321 1941 2901 2911 81910X 81910W 829 1240 PTHolder PTEmpty 1841 262009 262104 2811

1941

Type here to search

ENG 6:50 pm 15/07/2021