

# **LAB #11**

**Name : Nouman Ali**

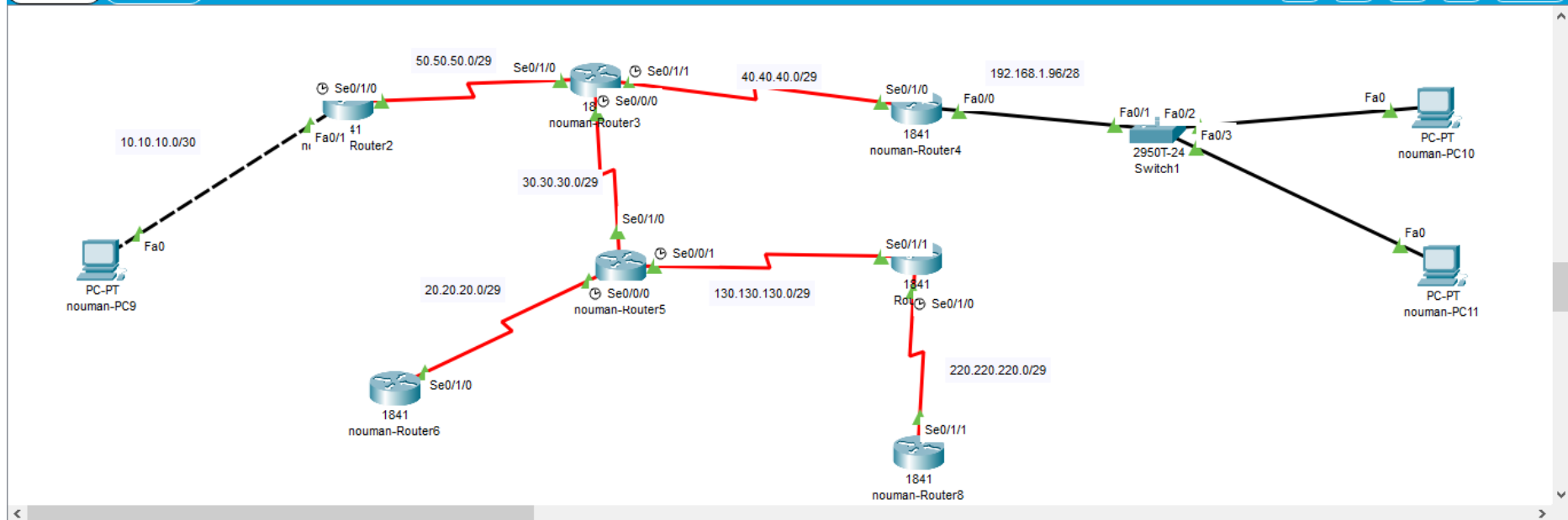
**SID : 9964**

Cisco Packet Tracer - C:\Users\Jaffar\Desktop\lab10.pkt

File Edit Options View Tools Extensions Help



Logical Physical x: 635, y: 2490 [Root] 09:23:30



Time: 00:16:06



Realtime

Simulation

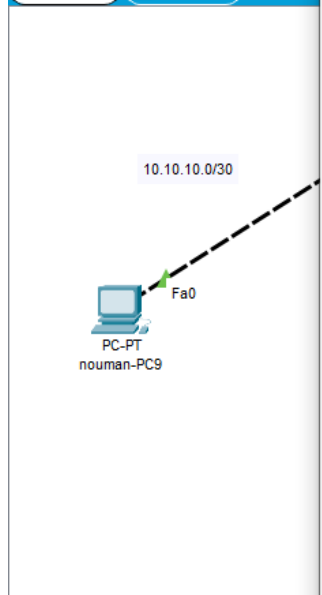


Scenario 0  
New Delete  
Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
Successful		PC9	PC10	ICMP		0.000	N	0	(e
Successful		PC11	PC9	ICMP		0.000	N	1	(e



Logical Physical x: 949, y: 24



Time: 00:22:43



nouman-Router2

Physical Config CLI Attributes

IOS Command Line Interface

```
nouman#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

10.0.0.0/30 is subnetted, 1 subnets
C    10.10.10.0 is directly connected, FastEthernet0/1
20.0.0.0/29 is subnetted, 1 subnets
O    20.20.20.0 [110/192] via 50.50.50.2, 00:21:35, Serial0/1/0
30.0.0.0/29 is subnetted, 1 subnets
O    30.30.30.0 [110/128] via 50.50.50.2, 00:21:35, Serial0/1/0
40.0.0.0/29 is subnetted, 1 subnets
O    40.40.40.0 [110/128] via 50.50.50.2, 00:21:35, Serial0/1/0
50.0.0.0/29 is subnetted, 1 subnets
C    50.50.50.0 is directly connected, Serial0/1/0
130.130.0.0/29 is subnetted, 1 subnets
O    130.130.130.0 [110/192] via 50.50.50.2, 00:21:35, Serial0/1/0
192.168.1.0/28 is subnetted, 1 subnets
O    192.168.1.0 [110/129] via 50.50.50.2, 00:21:35, Serial0/1/0
220.220.220.0/29 is subnetted, 1 subnets
O    220.220.220.0 [110/256] via 50.50.50.2, 00:21:35, Serial0/1/0

nouman#
```

Ctrl+F6 to exit CLI focus

Copy

Paste

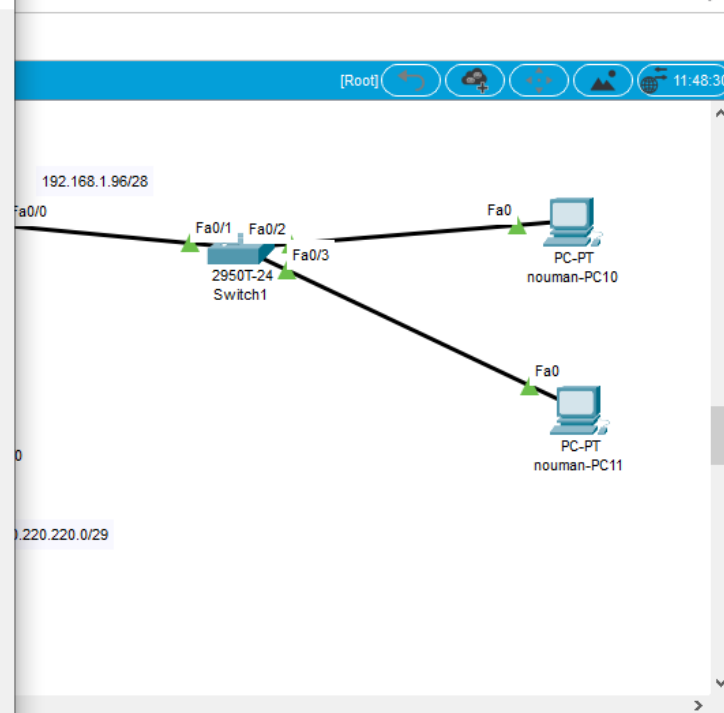
☐ Top

New

Delete

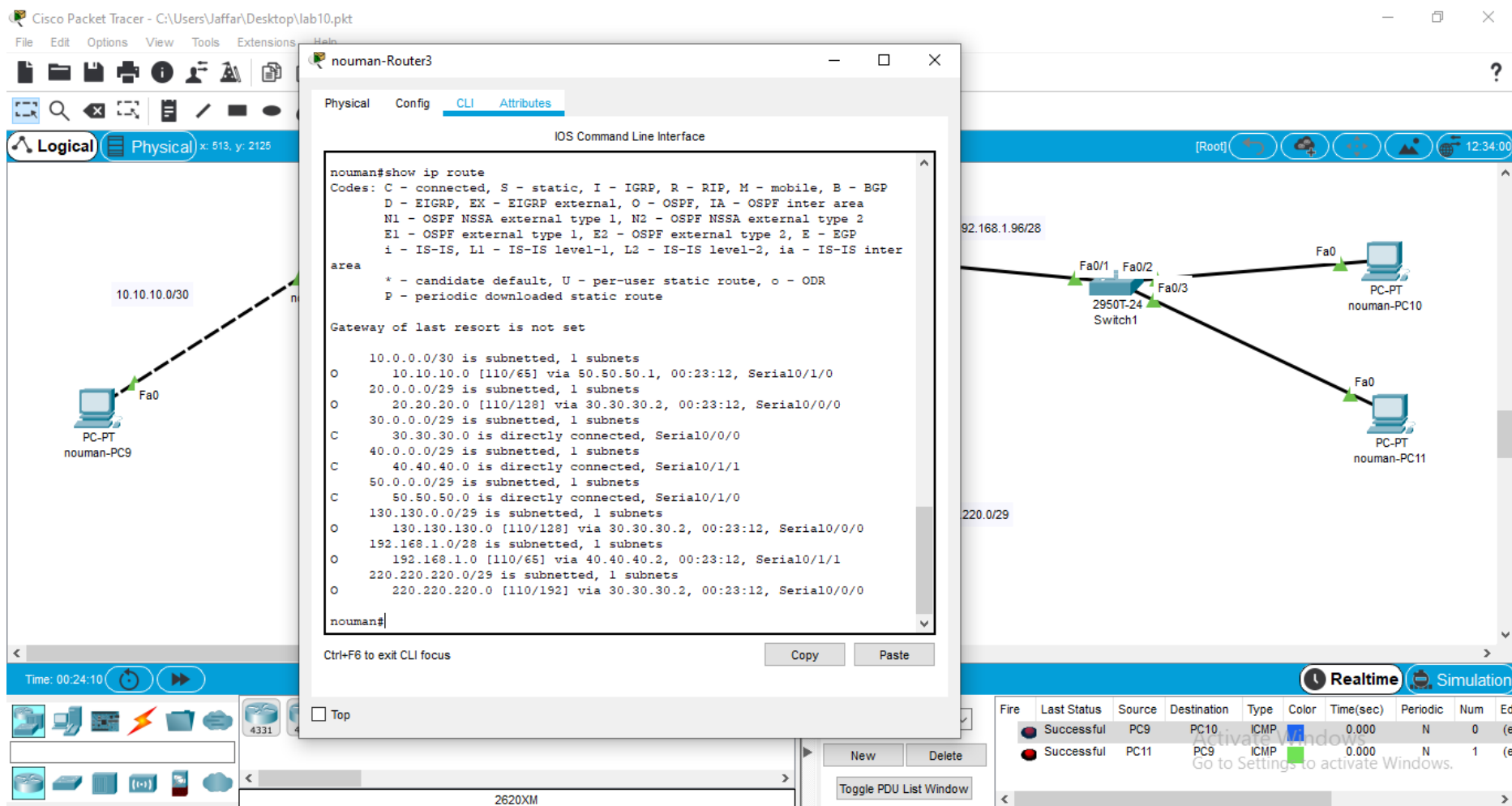
Toggle PDU List Window

?

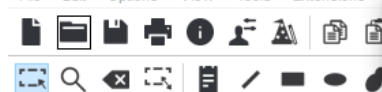


Realtime Simulation

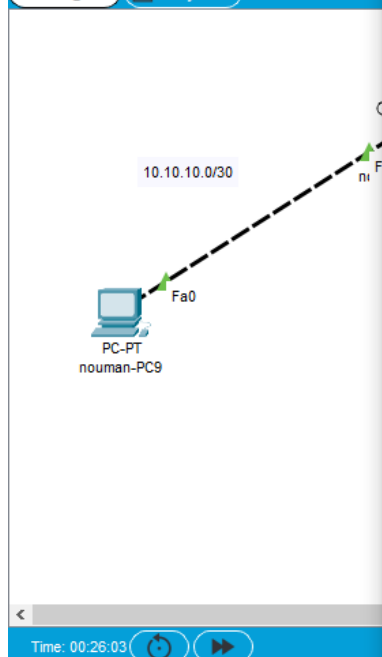
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
Successful		PC9	PC10	ICMP		0.000	N	0	(e
Successful		PC11	PC9	ICMP		0.000	N	1	(e







Logical Physical x: 543, y: 2288



nouman-Router5

Physical Config **CLI** Attributes

IOS Command Line Interface

```
nouman#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

10.0.0.0/30 is subnetted, 1 subnets
O   10.10.10.0 [110/129] via 30.30.30.1, 00:25:21, Serial0/1/0
20.0.0.0/29 is subnetted, 1 subnets
C   20.20.20.0 is directly connected, Serial0/0/0
30.0.0.0/29 is subnetted, 1 subnets
C   30.30.30.0 is directly connected, Serial0/1/0
40.0.0.0/29 is subnetted, 1 subnets
O   40.40.40.0 [110/128] via 30.30.30.1, 00:25:21, Serial0/1/0
50.0.0.0/29 is subnetted, 1 subnets
O   50.50.50.0 [110/128] via 30.30.30.1, 00:25:21, Serial0/1/0
130.130.0.0/29 is subnetted, 1 subnets
C   130.130.130.0 is directly connected, Serial0/0/1
192.168.1.0/28 is subnetted, 1 subnets
O   192.168.1.0 [110/129] via 30.30.30.1, 00:25:21, Serial0/1/0
220.220.220.0/29 is subnetted, 1 subnets
O   220.220.220.0 [110/128] via 130.130.130.2, 00:25:21, Serial0/0/1

nouman#
```

Ctrl+F6 to exit CLI focus

Copy Paste

[Root] 13:33:30

29

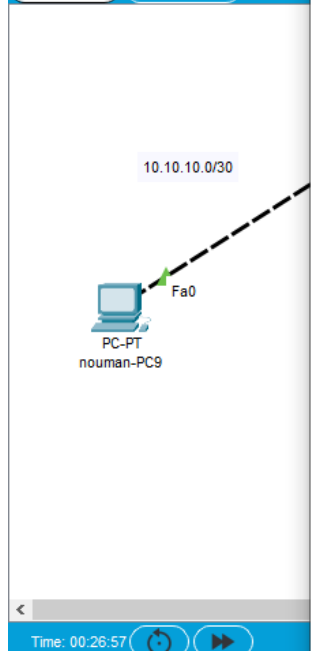
Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
Successful	PC9	PC10	ICMP		0.000	N	0	(e	
Successful	PC11	PC9	ICMP		0.000	N	1	(e	

Go to Settings to activate Windows.



Logical Physical



nouman-Router6

Physical Config CLI Attributes

IOS Command Line Interface

```
nouman#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

 10.0.0.0/30 is subnetted, 1 subnets
O   10.10.10.0 [110/193] via 20.20.20.1, 00:26:12, 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, 00:26:12, Serial0/1/0
 40.0.0.0/29 is subnetted, 1 subnets
O   40.40.40.0 [110/192] via 20.20.20.1, 00:26:12, Serial0/1/0
 50.0.0.0/29 is subnetted, 1 subnets
O   50.50.50.0 [110/192] via 20.20.20.1, 00:26:12, Serial0/1/0
130.130.0.0/29 is subnetted, 1 subnets
O   130.130.130.0 [110/128] via 20.20.20.1, 00:26:12, Serial0/1/0
192.168.1.0/28 is subnetted, 1 subnets
O   192.168.1.0 [110/193] via 20.20.20.1, 00:26:12, Serial0/1/0
220.220.220.0/29 is subnetted, 1 subnets
O   220.220.220.0 [110/192] via 20.20.20.1, 00:26:12, Serial0/1/0

nouman#
```

Ctrl+F6 to exit CLI focus

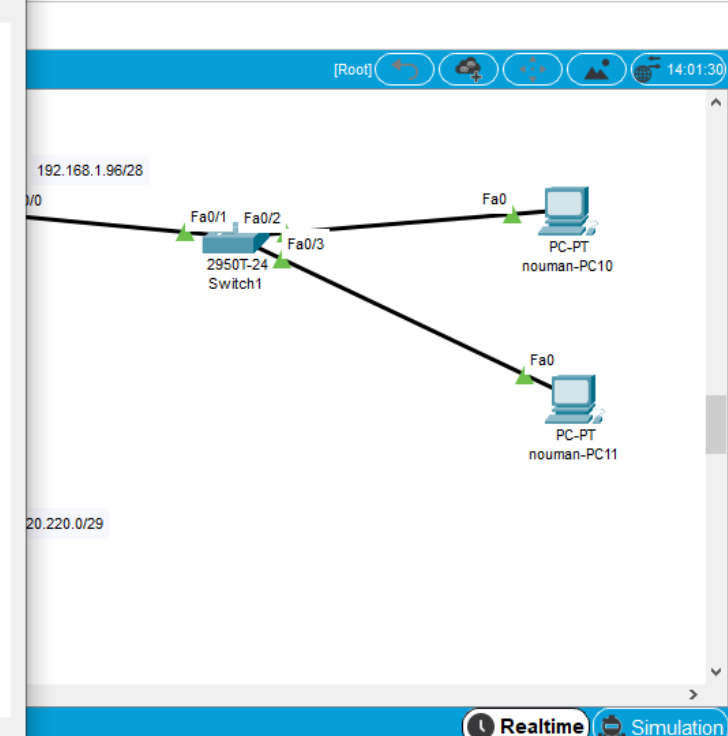
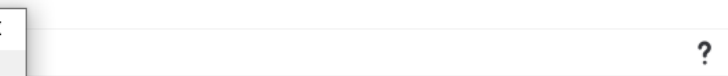
Copy

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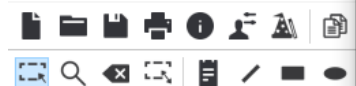
☐ Top

4331 4321 1941 2901 2911 81910X 819HGW 829 1240 PFRouter PFREmpty 1841 2620

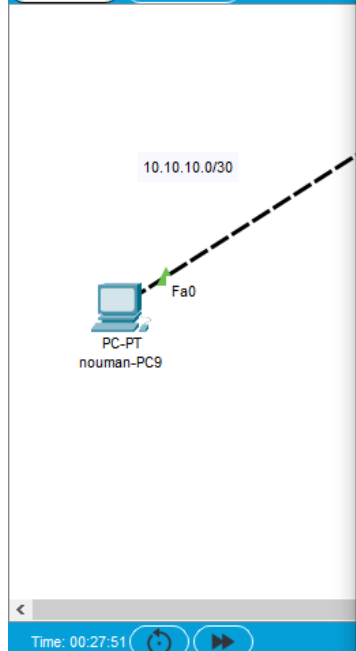
2620XM



Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
Successful	PC9	PC10	ICMP			0.000	N	0	(e
Successful	PC11	PC9	ICMP			0.000	N	1	(e



Logical Physical x: 989, y: 2338



Router7

Physical Config CLI Attributes

IOS Command Line Interface

```
nouman#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

 10.0.0.0/30 is subnetted, 1 subnets
O   10.10.10.0 [110/193] via 130.130.130.1, 00:26:56, Serial0/1/1
 20.0.0.0/29 is subnetted, 1 subnets
O   20.20.20.0 [110/128] via 130.130.130.1, 00:26:56, Serial0/1/1
 30.0.0.0/29 is subnetted, 1 subnets
O   30.30.30.0 [110/128] via 130.130.130.1, 00:26:56, Serial0/1/1
 40.0.0.0/29 is subnetted, 1 subnets
O   40.40.40.0 [110/192] via 130.130.130.1, 00:26:56, Serial0/1/1
 50.0.0.0/29 is subnetted, 1 subnets
O   50.50.50.0 [110/192] via 130.130.130.1, 00:26:56, Serial0/1/1
130.130.0.0/29 is subnetted, 1 subnets
C   130.130.130.0 is directly connected, Serial0/1/1
192.168.1.0/28 is subnetted, 1 subnets
O   192.168.1.0 [110/193] via 130.130.130.1, 00:26:56, Serial0/1/1
220.220.220.0/29 is subnetted, 1 subnets
C   220.220.220.0 is directly connected, Serial0/1/0

nouman#
nouman#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

New Delete

Toggle PDU List Window

[Root]

14:30:00

8.1.96/28

10.10.10.0/30

2950T-24 Switch1

PC-PT nouman-PC10

PC-PT nouman-PC11

Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
Successful		PC9	PC10	ICMP	Blue	0.000	N	0	(e
Successful		PC11	PC9	ICMP	Green	0.000	N	1	(e

Go to Settings to activate Windows.

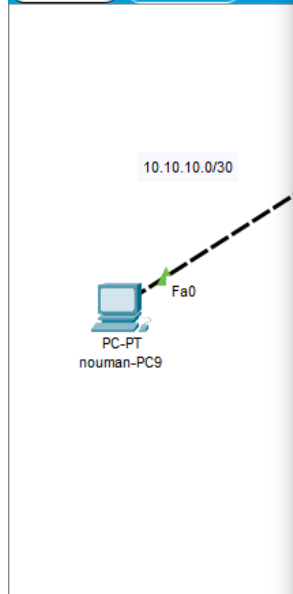


Cisco Packet Tracer - C:\Users\Jaffar\Desktop\lab10.pkt

File Edit Options View Tools



Logical Physical x: 871.3



Time: 00:28:38



nouman-Router8

Physical Config CLI Attributes

IOS Command Line Interface

```
nouman#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

10.0.0.0/30 is subnetted, 1 subnets
O   10.10.10.0 [110/257] via 220.220.220.1, 00:27:57, Serial0/1/1
20.0.0.0/29 is subnetted, 1 subnets
O   20.20.20.0 [110/192] via 220.220.220.1, 00:27:57, Serial0/1/1
30.0.0.0/29 is subnetted, 1 subnets
O   30.30.30.0 [110/192] via 220.220.220.1, 00:27:57, Serial0/1/1
40.0.0.0/29 is subnetted, 1 subnets
O   40.40.40.0 [110/256] via 220.220.220.1, 00:27:57, Serial0/1/1
50.0.0.0/29 is subnetted, 1 subnets
O   50.50.50.0 [110/256] via 220.220.220.1, 00:27:57, Serial0/1/1
130.130.0.0/29 is subnetted, 1 subnets
O   130.130.130.0 [110/128] via 220.220.220.1, 00:27:57, Serial0/1/1
192.168.1.0/28 is subnetted, 1 subnets
O   192.168.1.0 [110/257] via 220.220.220.1, 00:27:57, Serial0/1/1
220.220.220.0/29 is subnetted, 1 subnets
C   220.220.220.0 is directly connected, Serial0/1/1

nouman#
```

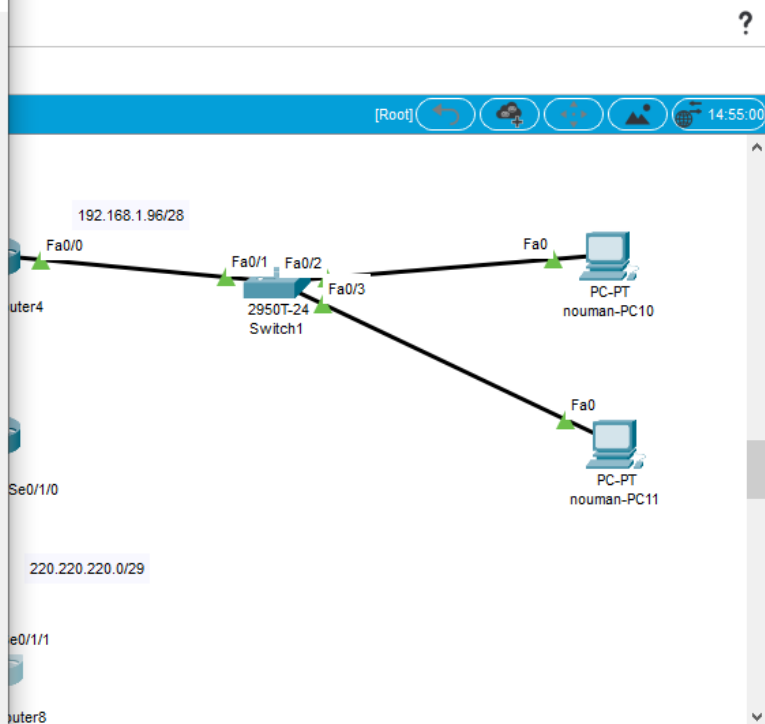
Ctrl+F6 to exit CLI focus

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Top

4331 4321 1941 2901 2911 81910X 819HGW 829 1240 PFRouter PFEmpty 1841 2620

14:55:00



Realtime Simulation

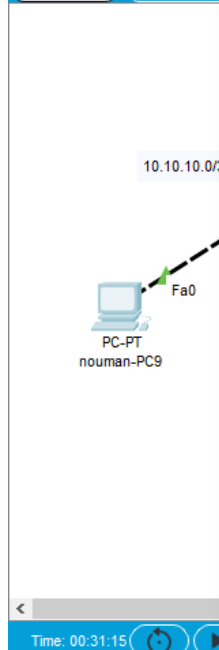
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
Successful		PC9	PC10	ICMP		0.000	N	0	(e
Successful		PC11	PC9	ICMP		0.000	N	1	(e

Cisco Packet Tracer - C:\Users\Jaffar\Desktop\lab10.pkt

File Edit Options View



Logical Physical



nouman-PC9

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time=3ms TTL=125
Reply from 192.168.1.10: bytes=32 time=2ms TTL=125
Reply from 192.168.1.10: bytes=32 time=2ms TTL=125
Reply from 192.168.1.10: bytes=32 time=2ms TTL=125

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 3ms, Average = 2ms

C:\>ping 192.168.1.11

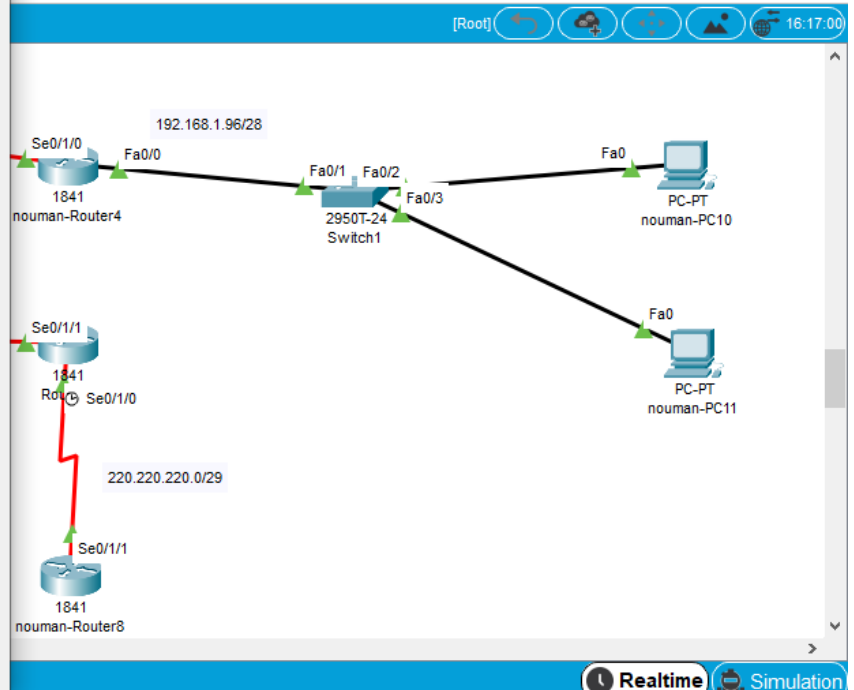
Pinging 192.168.1.11 with 32 bytes of data:

Reply from 192.168.1.11: bytes=32 time=3ms TTL=125
Reply from 192.168.1.11: bytes=32 time=4ms TTL=125
Reply from 192.168.1.11: bytes=32 time=2ms TTL=125
Reply from 192.168.1.11: bytes=32 time=11ms TTL=125

Ping statistics for 192.168.1.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 11ms, Average = 5ms

C:\>|
```

☐ Top



Time: 00:31:15

4331 4321 1941 2901 2911 81910X 8191GW 829 1240 PT-Router PT-Empty 1841 2620

1841

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
Successful		nouman-PC9	nouman-PC10	ICMP	Blue	0.000	N	0	(e)
Successful		nouman-PC9	nouman-PC11	ICMP	Green	0.000	N	1	(e)

Activate Windows. Go to Settings to activate Windows.