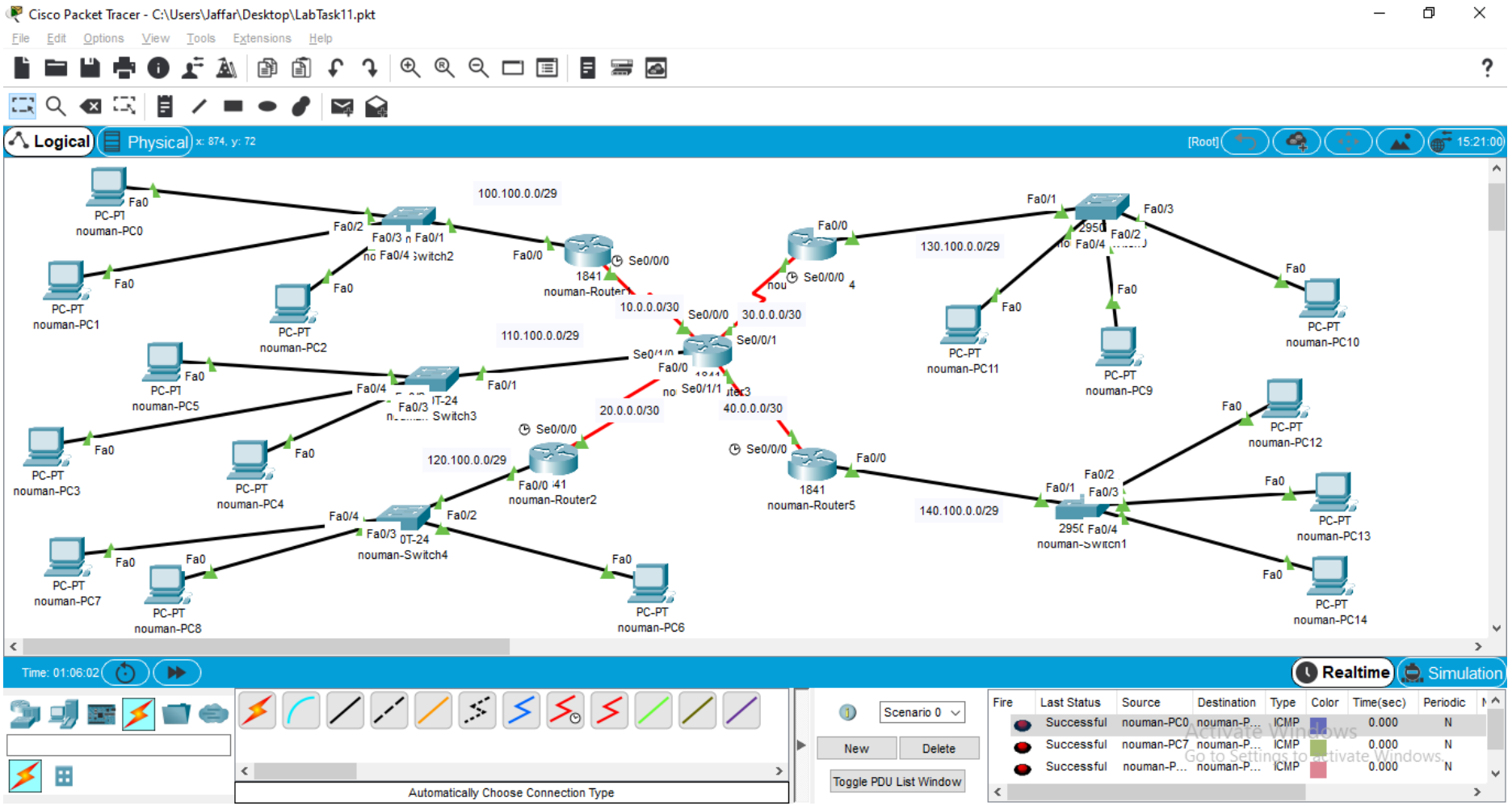
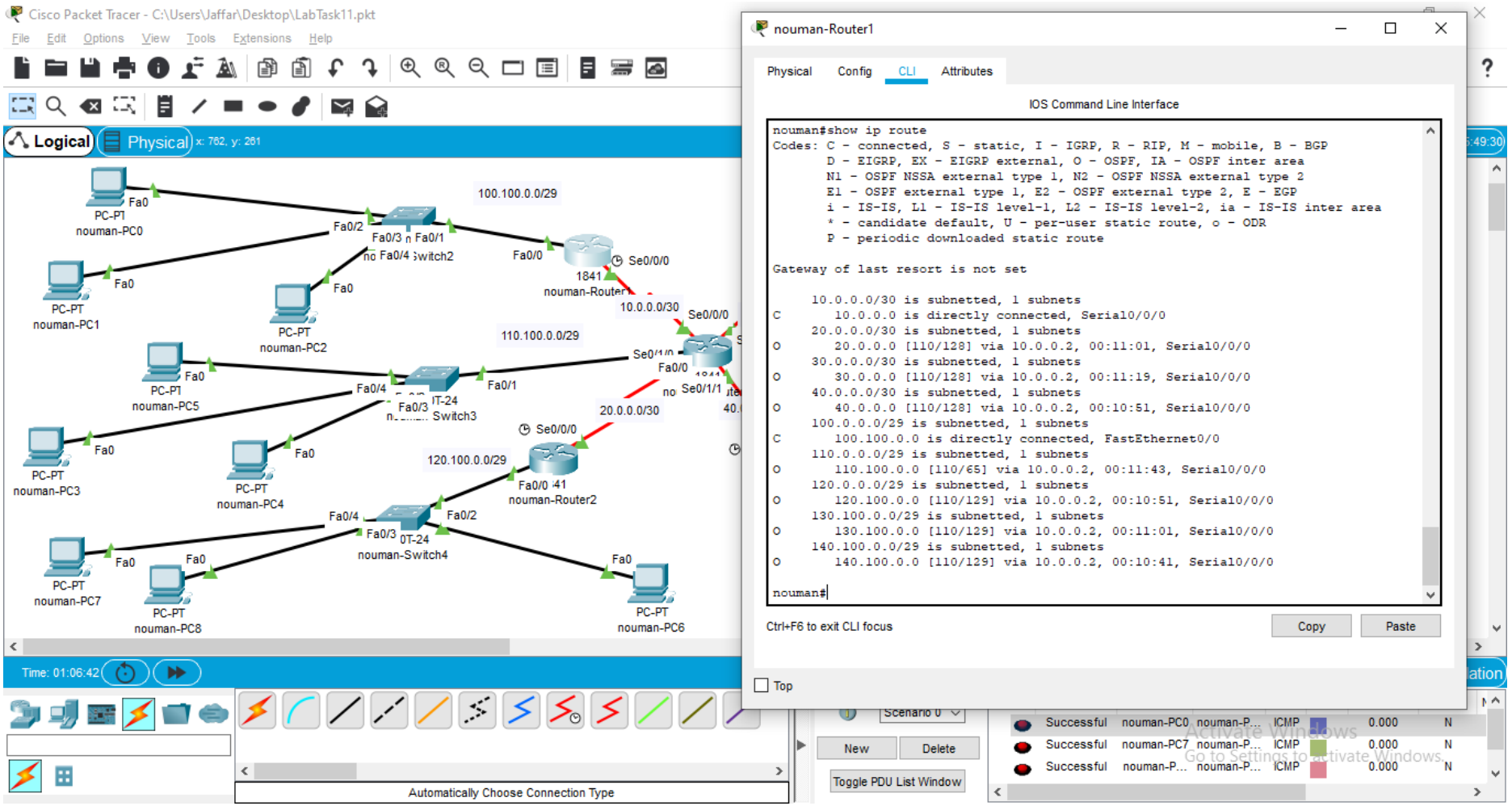
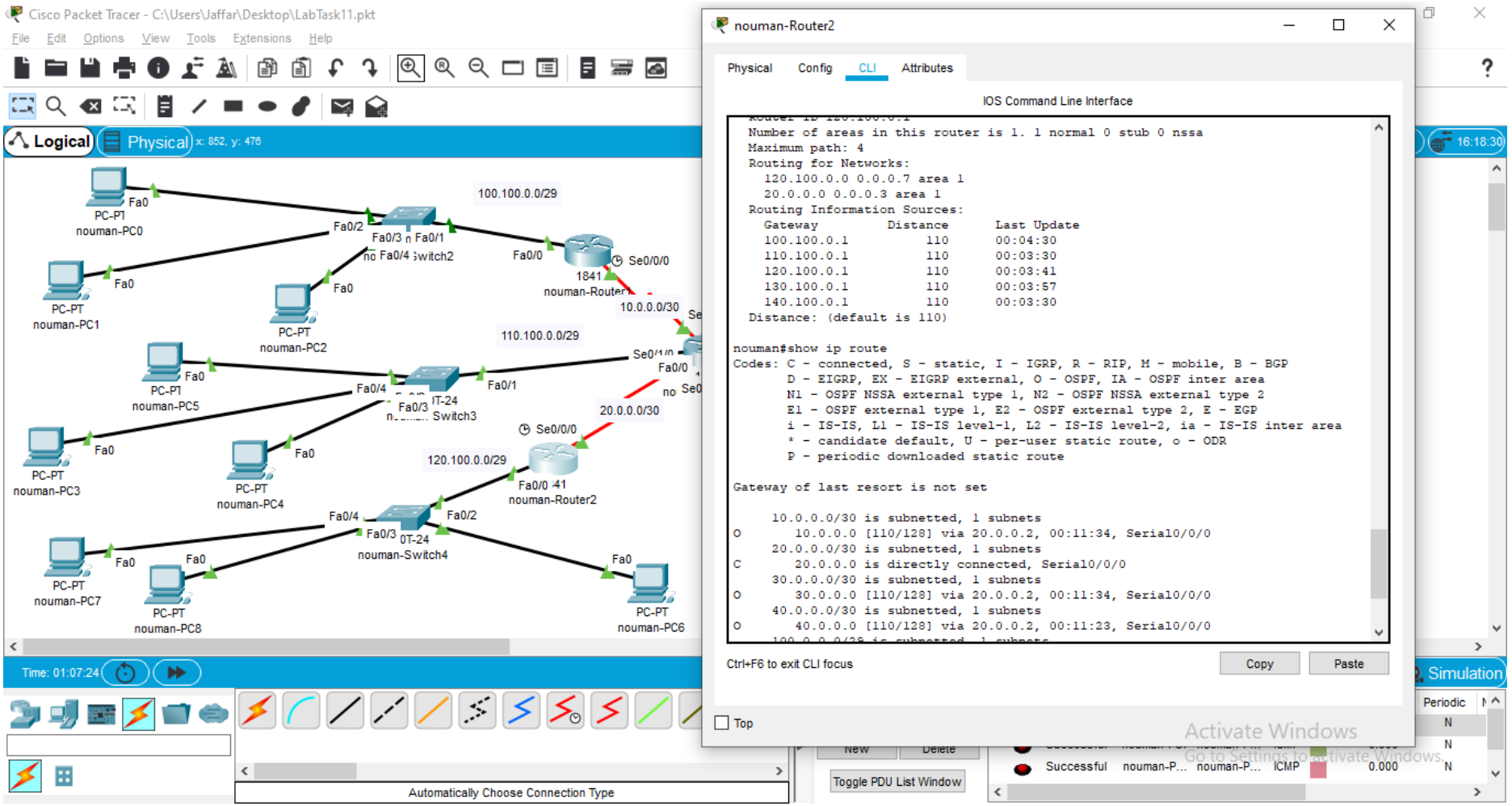
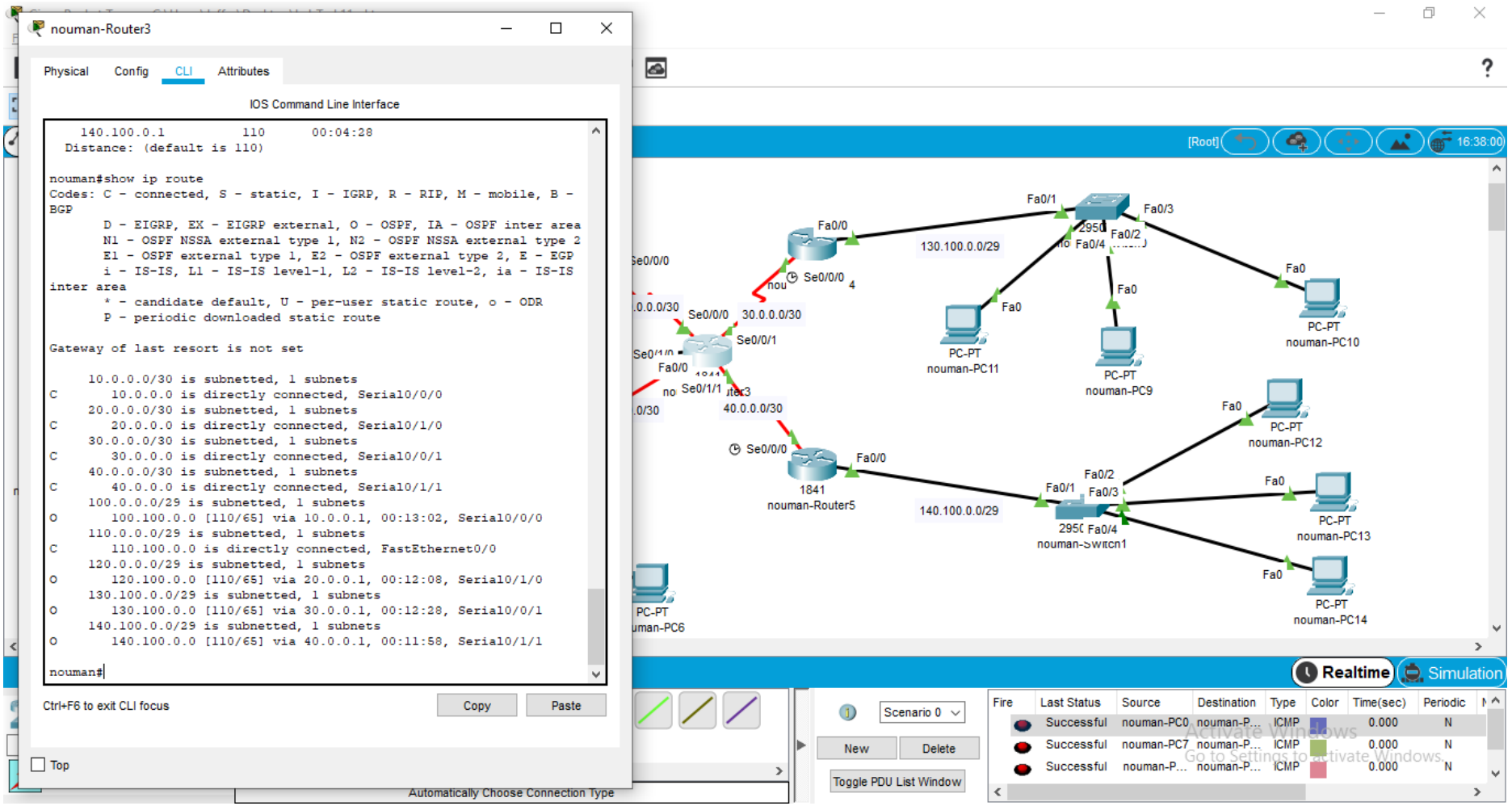
LAB#11

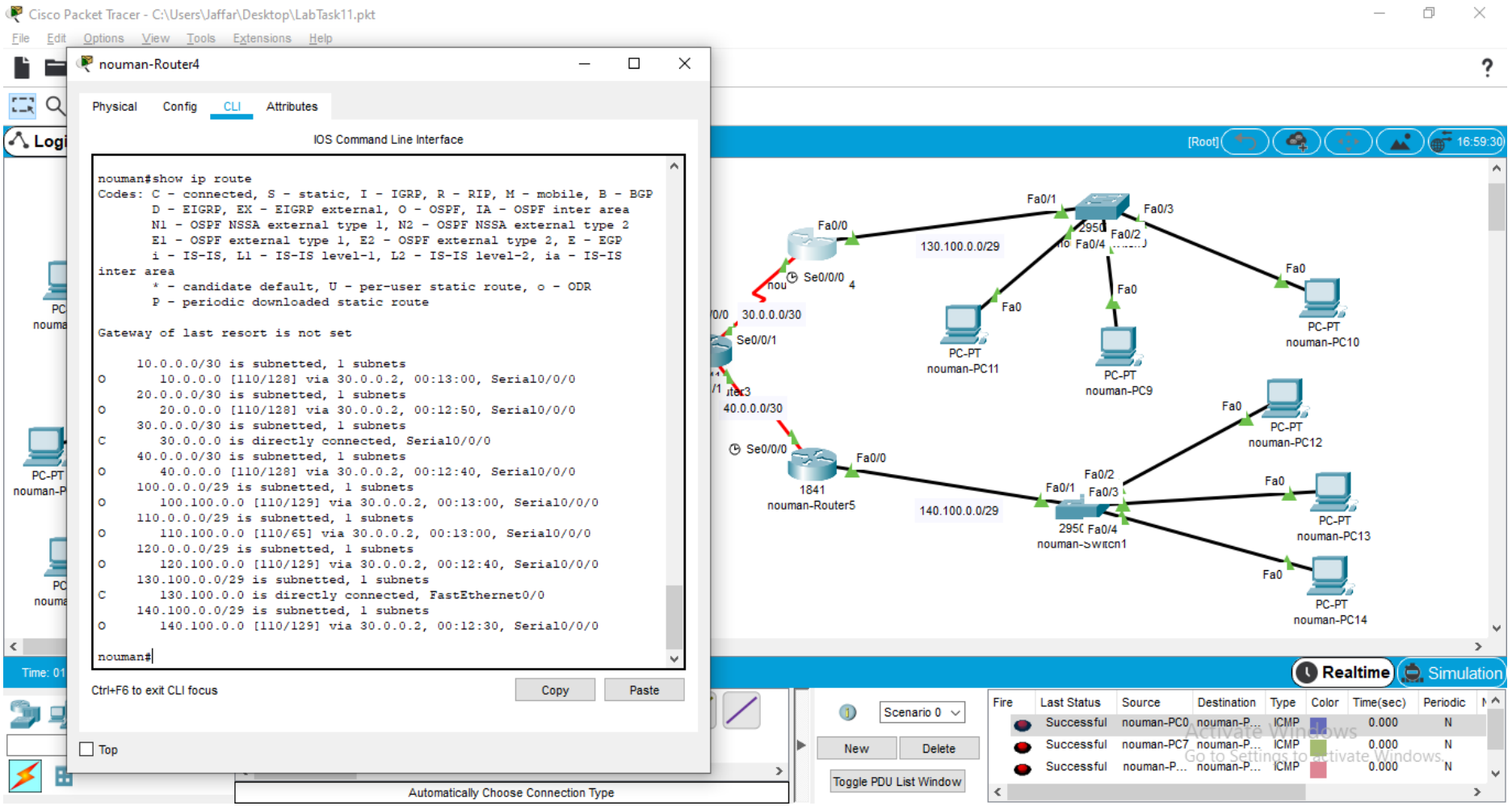
Name : Nouman Ali ***SID : 9964***

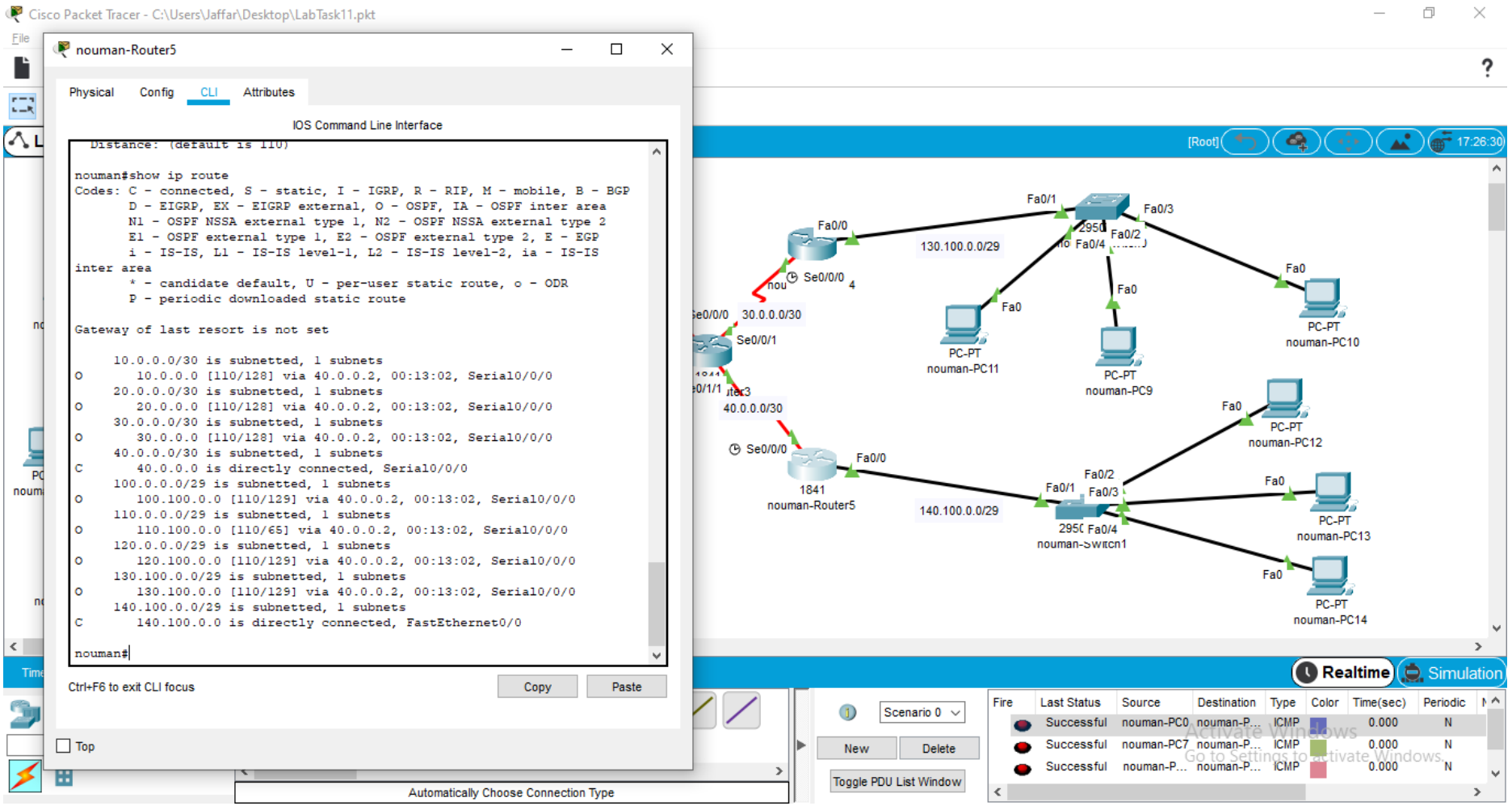

Cisco Packet Tracer - C:\Users\Jaffar\Desktop\LabTask11.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
x: 874, y: 72
[Root]
15:21:00
100.100.0.0/29
110.100.0.0/29
120.100.0.0/29
130.100.0.0/29
140.100.0.0/29
10.0.0.0/30
20.0.0.0/30
30.0.0.0/30
40.0.0.0/30
PC-PT nouman-PC0
PC-PT nouman-PC1
PC-PT nouman-PC2
PC-PT nouman-PC3
PC-PT nouman-PC4
PC-PT nouman-PC5
PC-PT nouman-PC6
PC-PT nouman-PC7
PC-PT nouman-PC8
PC-PT nouman-PC9
PC-PT nouman-PC10
PC-PT nouman-PC11
PC-PT nouman-PC12
PC-PT nouman-PC13
PC-PT nouman-PC14
1841 nouman-Router2
1841 nouman-Router5
nouman-Switch4
nouman-Switch3
nouman-Switch1
Time: 01:06:02
Realtime
Simulation
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Successful nouman-PC0 nouman-P... ICMP 0.000 N
Successful nouman-PC7 nouman-P... ICMP 0.000 N
Successful nouman-P... nouman-P... ICMP 0.000 N
Activate Windows
Go to Settings to activate Windows.

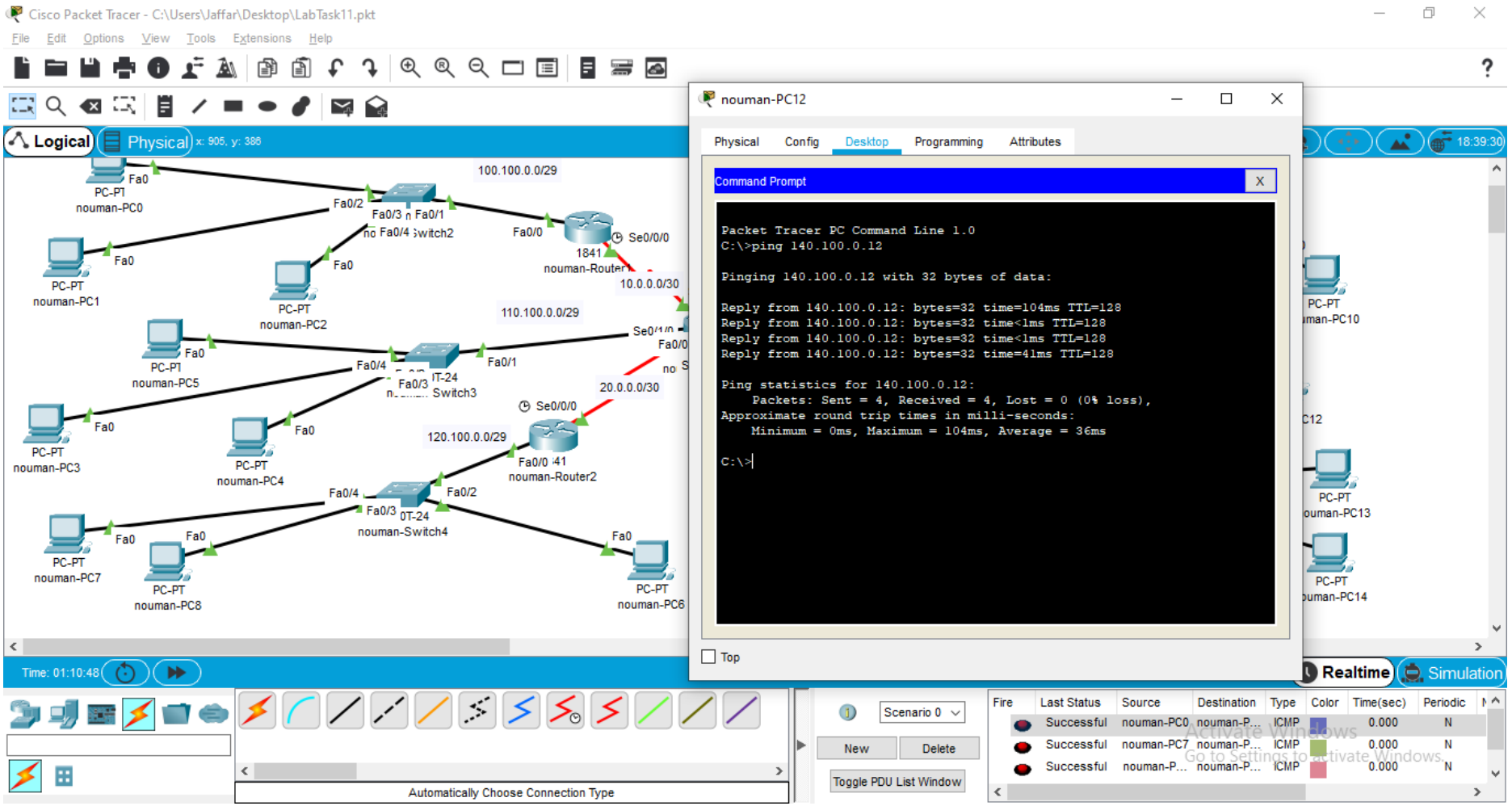

Cisco Packet Tracer - C:\Users\Jaffar\Desktop\LabTask11.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
100.100.0.0/29
110.100.0.0/29
120.100.0.0/29
10.0.0.0/30
20.0.0.0/30
PC-PT nouman-PC0
PC-PT nouman-PC1
PC-PT nouman-PC2
PC-PT nouman-PC3
PC-PT nouman-PC4
PC-PT nouman-PC5
PC-PT nouman-PC6
PC-PT nouman-PC7
PC-PT nouman-PC8
1841 nouman-Router1
nouman-Router2
nouman-Switch4
Time: 01:06:42
Automatically Choose Connection Type
nouman-Router1
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 10.0.0.0 is directly connected, Serial0/0/0
20.0.0.0/30 is subnetted, 1 subnets
O 20.0.0.0 [110/128] via 10.0.0.2, 00:11:01, Serial0/0/0
30.0.0.0/30 is subnetted, 1 subnets
O 30.0.0.0 [110/128] via 10.0.0.2, 00:11:19, Serial0/0/0
40.0.0.0/30 is subnetted, 1 subnets
O 40.0.0.0 [110/128] via 10.0.0.2, 00:10:51, Serial0/0/0
100.0.0.0/29 is subnetted, 1 subnets
C 100.100.0.0 is directly connected, FastEthernet0/0
110.0.0.0/29 is subnetted, 1 subnets
O 110.100.0.0 [110/65] via 10.0.0.2, 00:11:43, Serial0/0/0
120.0.0.0/29 is subnetted, 1 subnets
O 120.100.0.0 [110/129] via 10.0.0.2, 00:10:51, Serial0/0/0
130.100.0.0/29 is subnetted, 1 subnets
O 130.100.0.0 [110/129] via 10.0.0.2, 00:11:01, Serial0/0/0
140.100.0.0/29 is subnetted, 1 subnets
O 140.100.0.0 [110/129] via 10.0.0.2, 00:10:41, Serial0/0/0
nouman#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
New
Delete
Toggle PDU List Window
Successful nouman-PC0 ICMP 0.000 N
Successful nouman-PC7 ICMP 0.000 N
Successful ICMP 0.000 N
Activate Windows
Go to Settings to activate Windows.


Cisco Packet Tracer - C:\Users\Jaffar\Desktop\LabTask11.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
x: 852, y: 476
16:18:30
100.100.0.0/29
110.100.0.0/29
120.100.0.0/29
10.0.0.0/30
20.0.0.0/30
PC-PT nouman-PC0
PC-PT nouman-PC1
PC-PT nouman-PC2
PC-PT nouman-PC3
PC-PT nouman-PC4
PC-PT nouman-PC5
PC-PT nouman-PC6
PC-PT nouman-PC7
PC-PT nouman-PC8
nouman-Router1
nouman-Router2
nouman-Switch4
Time: 01:07:24
Simulation
Automatically Choose Connection Type
Toggle PDU List Window
Periodic
Successful
ICMP
0.000
nouman-Router2
Physical
Config
CLI
Attributes
IOS Command Line Interface
Number of areas in this router is 1. 1 normal 0 stub 0 nssa
Maximum path: 4
Routing for Networks:
120.100.0.0 0.0.0.7 area 1
20.0.0.0 0.0.0.3 area 1
Routing Information Sources:
Gateway Distance Last Update
100.100.0.1 110 00:04:30
110.100.0.1 110 00:03:30
120.100.0.1 110 00:03:41
130.100.0.1 110 00:03:57
140.100.0.1 110 00:03:30
Distance: (default is 110)
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 10.0.0.0 [110/128] via 20.0.0.2, 00:11:34, Serial0/0/0
20.0.0.0/30 is subnetted, 1 subnets
C 20.0.0.0 is directly connected, Serial0/0/0
30.0.0.0/30 is subnetted, 1 subnets
O 30.0.0.0 [110/128] via 20.0.0.2, 00:11:34, Serial0/0/0
40.0.0.0/30 is subnetted, 1 subnets
O 40.0.0.0 [110/128] via 20.0.0.2, 00:11:23, Serial0/0/0
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
Activate Windows
Go to Settings to activate Windows.


nouman-Router3
Physical
Config
CLI
Attributes
IOS Command Line Interface
140.100.0.1 110 00:04:28
Distance: (default is 110)
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 10.0.0.0 is directly connected, Serial0/0/0
20.0.0.0/30 is subnetted, 1 subnets
C 20.0.0.0 is directly connected, Serial0/1/0
30.0.0.0/30 is subnetted, 1 subnets
C 30.0.0.0 is directly connected, Serial0/0/1
40.0.0.0/30 is subnetted, 1 subnets
C 40.0.0.0 is directly connected, Serial0/1/1
100.0.0.0/29 is subnetted, 1 subnets
O 100.100.0.0 [110/65] via 10.0.0.1, 00:13:02, Serial0/0/0
110.0.0.0/29 is subnetted, 1 subnets
C 110.100.0.0 is directly connected, FastEthernet0/0
120.0.0.0/29 is subnetted, 1 subnets
O 120.100.0.0 [110/65] via 20.0.0.1, 00:12:08, Serial0/1/0
130.100.0.0/29 is subnetted, 1 subnets
O 130.100.0.0 [110/65] via 30.0.0.1, 00:12:28, Serial0/0/1
140.100.0.0/29 is subnetted, 1 subnets
O 140.100.0.0 [110/65] via 40.0.0.1, 00:11:58, Serial0/1/1
nouman#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
130.100.0.0/29
30.0.0.0/30
40.0.0.0/30
140.100.0.0/29
1841
nouman-Router5
nouman-PC10
nouman-PC11
nouman-PC9
nouman-PC12
nouman-PC13
nouman-PC14
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Successful
nouman-PC0
nouman-PC7
Automatically Choose Connection Type


Cisco Packet Tracer - C:\Users\Jaffar\Desktop\LabTask11.pkt
File Edit Options View Tools Extensions Help
nouman-Router4
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 10.0.0.0 [110/128] via 30.0.0.2, 00:13:00, Serial0/0/0
20.0.0.0/30 is subnetted, 1 subnets
O 20.0.0.0 [110/128] via 30.0.0.2, 00:12:50, Serial0/0/0
30.0.0.0/30 is subnetted, 1 subnets
C 30.0.0.0 is directly connected, Serial0/0/0
40.0.0.0/30 is subnetted, 1 subnets
O 40.0.0.0 [110/128] via 30.0.0.2, 00:12:40, Serial0/0/0
100.0.0.0/29 is subnetted, 1 subnets
O 100.100.0.0 [110/129] via 30.0.0.2, 00:13:00, Serial0/0/0
110.0.0.0/29 is subnetted, 1 subnets
O 110.100.0.0 [110/65] via 30.0.0.2, 00:13:00, Serial0/0/0
120.0.0.0/29 is subnetted, 1 subnets
O 120.100.0.0 [110/129] via 30.0.0.2, 00:12:40, Serial0/0/0
130.100.0.0/29 is subnetted, 1 subnets
C 130.100.0.0 is directly connected, FastEthernet0/0
140.100.0.0/29 is subnetted, 1 subnets
O 140.100.0.0 [110/129] via 30.0.0.2, 00:12:30, Serial0/0/0
nouman#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
130.100.0.0/29
30.0.0.0/30
40.0.0.0/30
140.100.0.0/29
Se0/0/1
Se0/0/0
Fa0/0
Fa0/1
Fa0/2
Fa0/3
Fa0/4
1841
nouman-Router5
PC-PT nouman-PC10
PC-PT nouman-PC11
PC-PT nouman-PC9
PC-PT nouman-PC12
PC-PT nouman-PC13
PC-PT nouman-PC14
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic
Successful nouman-PC0 nouman-P... ICMP 0.000 N
Successful nouman-PC7 nouman-P... ICMP 0.000 N
Successful nouman-P... nouman-P... ICMP 0.000 N
Automatically Choose Connection Type


Cisco Packet Tracer - C:\Users\Jaffar\Desktop\LabTask11.pkt
File
nouman-Router5
Physical
Config
CLI
Attributes
IOS Command Line Interface
Distance: (default is 110)
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 10.0.0.0 [110/128] via 40.0.0.2, 00:13:02, Serial0/0/0
20.0.0.0/30 is subnetted, 1 subnets
O 20.0.0.0 [110/128] via 40.0.0.2, 00:13:02, Serial0/0/0
30.0.0.0/30 is subnetted, 1 subnets
O 30.0.0.0 [110/128] via 40.0.0.2, 00:13:02, Serial0/0/0
40.0.0.0/30 is subnetted, 1 subnets
C 40.0.0.0 is directly connected, Serial0/0/0
100.0.0.0/29 is subnetted, 1 subnets
O 100.100.0.0 [110/129] via 40.0.0.2, 00:13:02, Serial0/0/0
110.0.0.0/29 is subnetted, 1 subnets
O 110.100.0.0 [110/65] via 40.0.0.2, 00:13:02, Serial0/0/0
120.0.0.0/29 is subnetted, 1 subnets
O 120.100.0.0 [110/129] via 40.0.0.2, 00:13:02, Serial0/0/0
130.100.0.0/29 is subnetted, 1 subnets
O 130.100.0.0 [110/129] via 40.0.0.2, 00:13:02, Serial0/0/0
140.100.0.0/29 is subnetted, 1 subnets
C 140.100.0.0 is directly connected, FastEthernet0/0
nouman#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
130.100.0.0/29
30.0.0.0/30
40.0.0.0/30
140.100.0.0/29
Fa0/0
Fa0/1
Fa0/2
Fa0/3
Fa0/4
Se0/0/0
Se0/0/1
1841
nouman-Router5
nouman-Switch1
PC-PT
nouman-PC9
nouman-PC10
nouman-PC11
nouman-PC12
nouman-PC13
nouman-PC14
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Successful
nouman-PC0
nouman-PC7
ICMP
0.000
N
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.



Show ip route:

Indicates the IP address of a router that is the next hop to the remote network and the router interface on which the last update arrived. Specifies the last time the route was updated in hours:minutes:seconds and also tells what protocol implement on that router and it also shows the via route.