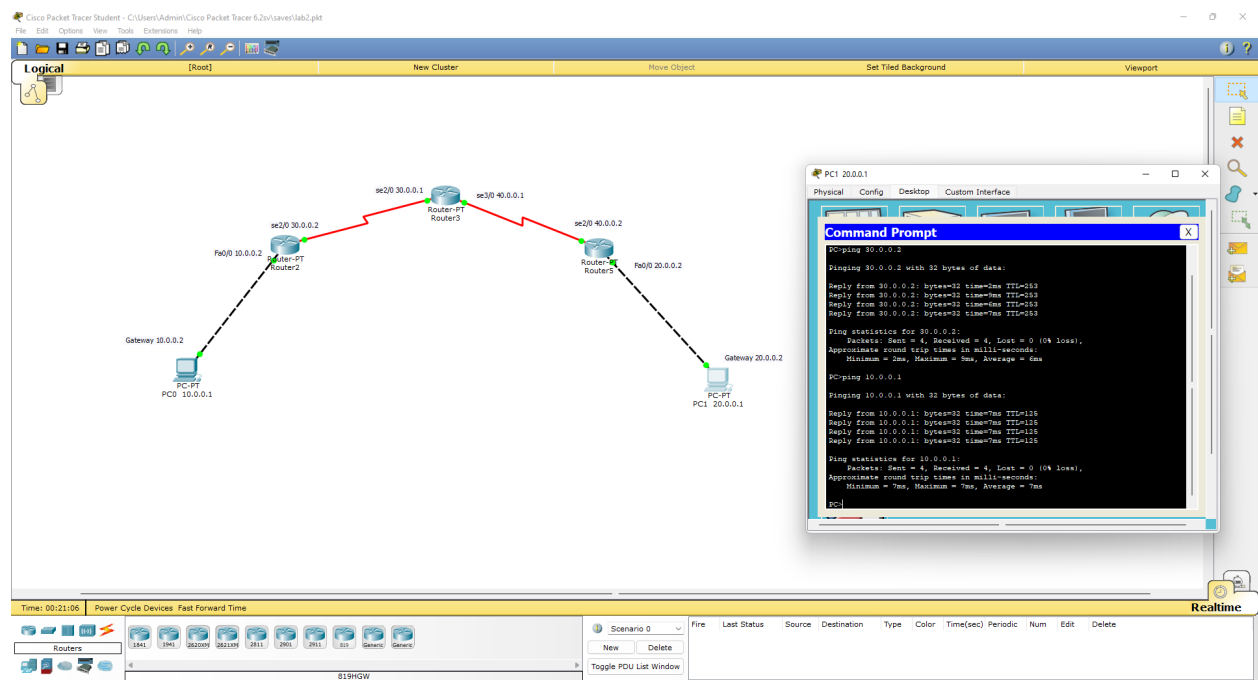
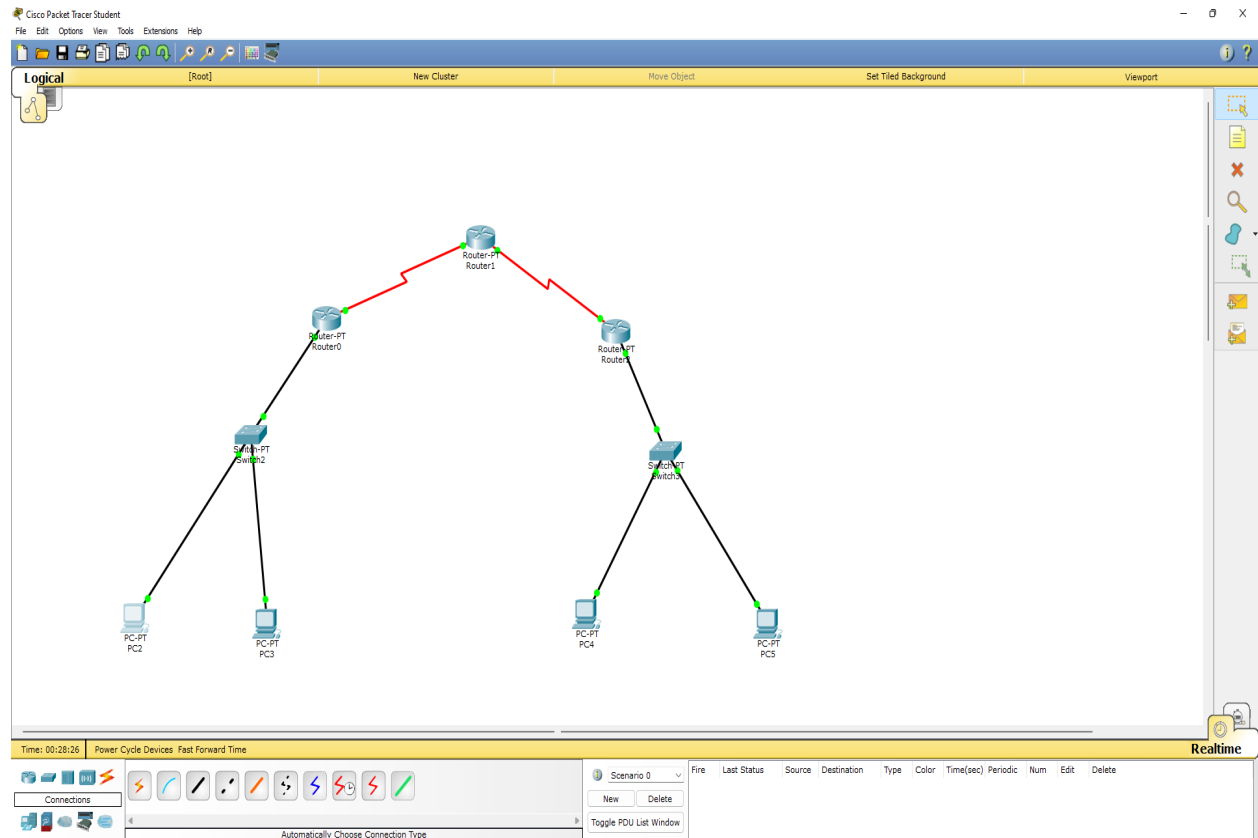
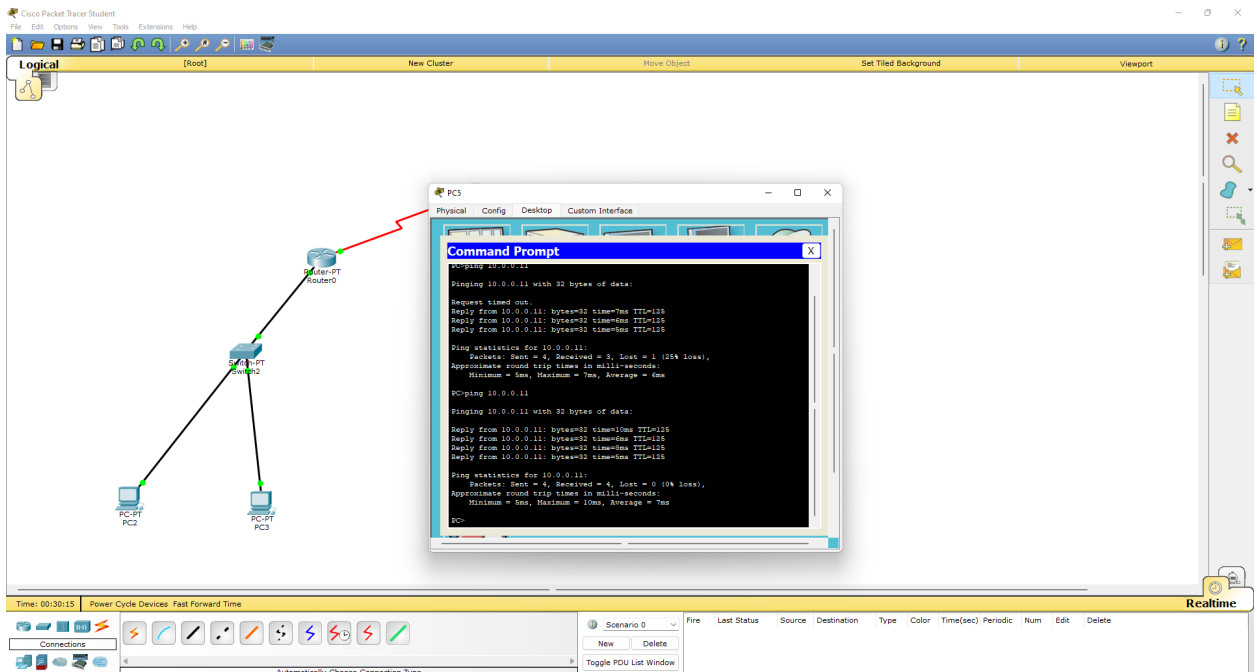
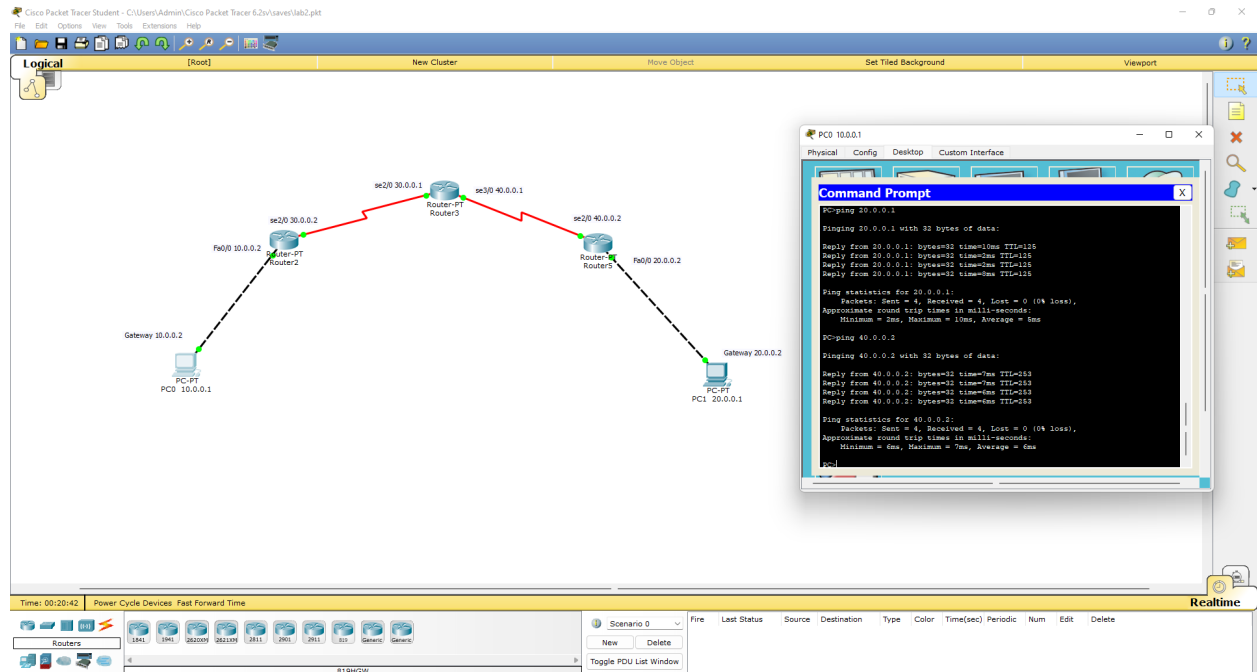
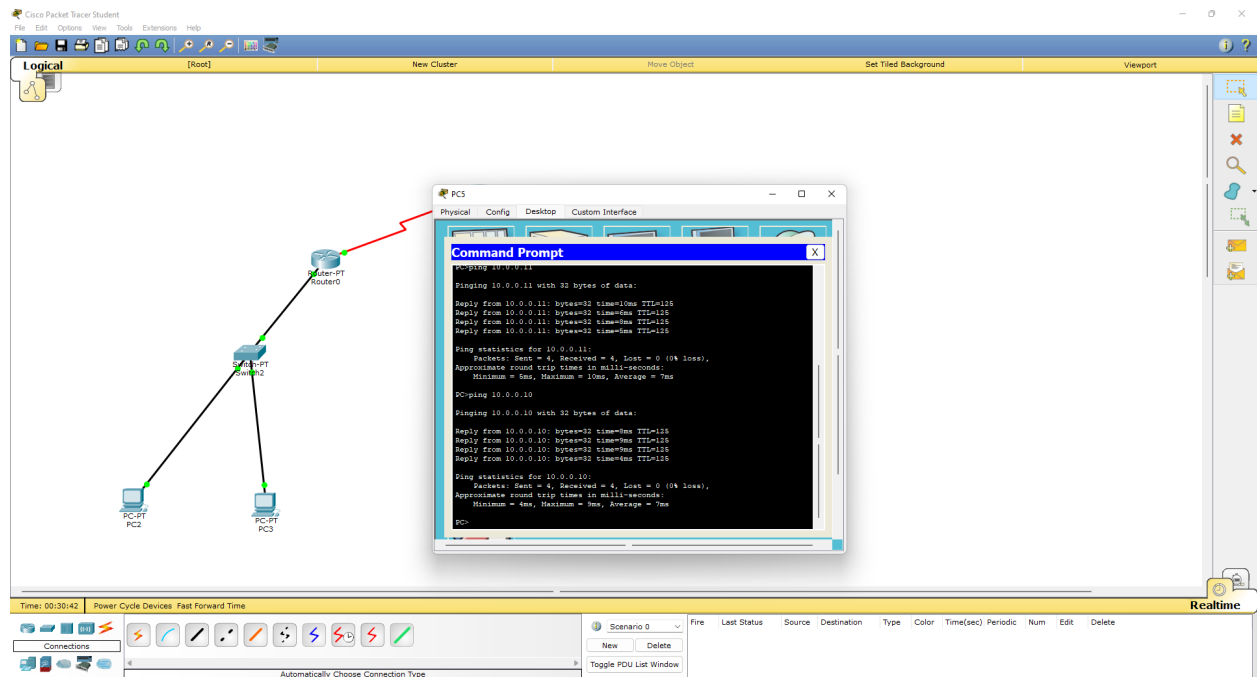
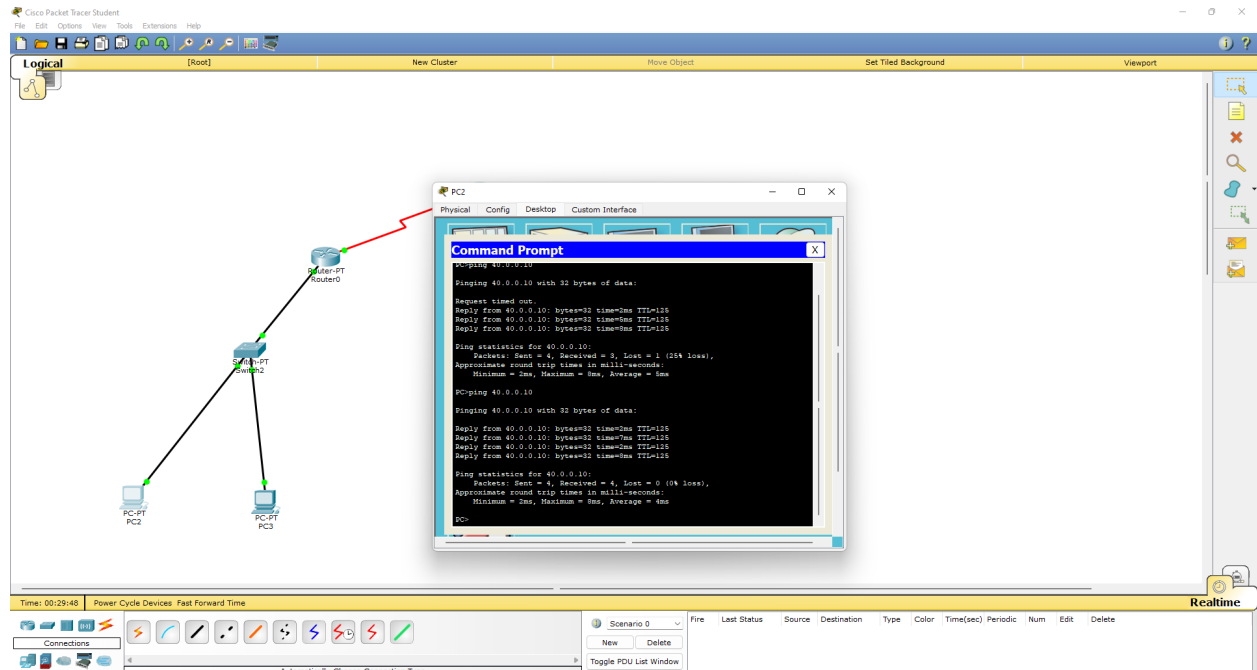


LAB 3







Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Router2

Physical Config CLI

IOS Command Line Interface

```

Router>configure terminal
Router(config)#no shutdown
Router(config-if)#
%LINE-6-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#exit
Router(config)#ip route 0.0.0.0 0.0.0.0 30.0.0.1
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#show ip route
Codes: C - connected, S - static, I - IGMP, D - RIP, M - mobile, B - BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        NI - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 2, S - BGP
        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 30.0.0.1 to network 0.0.0.0

C    30.0.0.0/8 is directly connected, Serial2/0
C    40.0.0.0/8 is directly connected, FastEthernet0/0
S*   0.0.0.0/0 [1/0] via 30.0.0.1
Router#

```

Time: 00:29:39 Power Cycle Devices Fast Forward Time

Connections

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Realtime

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Router0

Physical Config CLI

IOS Command Line Interface

```

Router>configure terminal
Router(config)#interface Serial1/0
Router(config-if)#no shutdown
Router(config-if)#
%LINE-6-CHANGED: Interface Serial1/0, changed state to down
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up
Router(config-if)#exit
Router(config)#ip route 0.0.0.0 0.0.0.0 20.0.0.2
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#show ip route
Codes: C - connected, S - static, I - IGMP, D - RIP, M - mobile, B - BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        NI - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 2, S - BGP
        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 20.0.0.2 to network 0.0.0.0

C    10.0.0.0/8 is directly connected, FastEthernet0/0
C    20.0.0.0/8 is directly connected, Serial1/0
S*   0.0.0.0/0 [1/0] via 20.0.0.2
Router#

```

Time: 00:29:28 Power Cycle Devices Fast Forward Time

Connections

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Realtime

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Router1

Physical Config CLI

IOS Command Line Interface

```
Router> enable
Router# configure terminal
Router(config)# interface Serial1/0
Router(config-if)# ip address 10.0.0.0 255.0.0.0 20.0.0.1
Router(config-if)# ip route 40.0.0.0 255.0.0.0 30.0.0.2
Router(config-if)# exit
Router#
Router# show ip route
Codes: C - connected, S - static, I - IGMP, 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, S - EIG
       I - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, Ia - IS-IS
       * - candidate default, U - per-user static route, s - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

S    10.0.0.0/8 [1/0] via 20.0.0.1
C    20.0.0.0/8 is directly connected, Serial1/0
C    30.0.0.0/8 is directly connected, Serial1/0
S    40.0.0.0/8 [1/0] via 30.0.0.2
Router#
```

Time: 00:29:03 Power Cycle Devices Fast Forward Time

Connections

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Realtime

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Router0

Router1

Router2

Switch

PC-PT PC2

PC-PT PC3

PC-PT PC4

PC-PT PC5

Time: 00:28:26 Power Cycle Devices Fast Forward Time

Connections

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Realtime

Cisco Packet Tracer Student - C:\Users\Admin\Cisco Packet Tracer 6.2\workspace\lab2.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

IOS Command Line Interface

```
P - periodic downloaded static route

Gateway of last resort is not set
C 10.0.0.0/8 is directly connected, FastEthernet0/0
C 30.0.0.0/8 is directly connected, Serial2/0
Router#enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 20.0.0.0 255.0.0.0 30.0.0.1
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#show ip route
Codes: C - connected, S - static, I - ISDP, B - BGP, M - mobile, D - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
HI - OSPF HSRP external type 1, NI - OSPF HSRP external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, B - BGP
I - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ix - IS-IS inter area
* - candidate default, P - peruser 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, FastEthernet0/0
S 20.0.0.0/8 [1/0] via 30.0.0.1
C 30.0.0.0/8 is directly connected, Serial2/0
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router#
```

Time: 00:21:32 Power Cycle Devices Fast Forward Time

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Realtime

Cisco Packet Tracer Student - C:\Users\Admin\Cisco Packet Tracer 6.2\workspace\lab2.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

IOS Command Line Interface

```
P - periodic downloaded static route

Gateway of last resort is not set
S 10.0.0.0/8 [1/0] via 40.0.0.1
C 20.0.0.0/8 is directly connected, FastEthernet0/0
C 40.0.0.0/8 is directly connected, Serial2/0
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 30.0.0.0 255.0.0.0 40.0.0.1
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#show ip route
Codes: C - connected, S - static, I - ISDP, B - BGP, M - mobile, D - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
HI - OSPF HSRP external type 1, NI - OSPF HSRP external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, B - BGP
I - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ix - IS-IS inter area
* - candidate default, P - peruser 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 40.0.0.1
C 20.0.0.0/8 is directly connected, FastEthernet0/0
S 30.0.0.0/8 [1/0] via 40.0.0.1
C 40.0.0.0/8 is directly connected, Serial2/0
Router#
```

Time: 00:19:26 Power Cycle Devices Fast Forward Time

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Realtime

Cisco Packet Tracer Student - C:\Users\Admin\Cisco Packet Tracer 6.2\save\lab2.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

IOS Command Line Interface

```
Router3
Physical Config CLI

Router3#
Router3#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router3(config)#interface Serial2/0
Router3(config-if)#ip address 40.0.0.0 30.0.0.0
Router3(config-if)#no shutdown
Router3(config-if)#exit
Router3#
Router3#show ip route
Codes: C - connected, S - static, I - IGMP, B - BGP, 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, S - BGP
I - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, IS - IS-IS inter area
* - candidate default, U - per-user static route, s - ODR
P - periodic downloaded static route

Gateway of last resort is not set

R 10.0.0.0/8 [1/0] via 30.0.0.2
S 20.0.0.0/8 [1/0] via 40.0.0.1
C 30.0.0.0/8 is directly connected, Serial2/0
C 40.0.0.0/8 is directly connected, Serial2/0
Router3#
```

Time: 00:19:13 Power Cycle Devices Fast Forward Time

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Realtime

Cisco Packet Tracer Student - C:\Users\Admin\Cisco Packet Tracer 6.2\save\lab2.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

IOS Command Line Interface

```
Router3
Physical Config CLI

Router3#
Router3#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router3(config)#ip route 40.0.0.0 30.0.0.0 30.0.0.1
Router3(config)#exit
Router3#
Router3#show ip route
Codes: C - connected, S - static, I - IGMP, B - BGP, 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, S - BGP
I - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, IS - IS-IS inter area
* - candidate default, U - per-user static route, s - ODR
P - periodic downloaded static route

Gateway of last resort is not set

R 10.0.0.0/8 is directly connected, FastEthernet0/0
S 20.0.0.0/8 [1/0] via 30.0.0.1
C 30.0.0.0/8 is directly connected, Serial2/0
S 40.0.0.0/8 [1/0] via 30.0.0.1
Router3#
```

Time: 00:18:47 Power Cycle Devices Fast Forward Time

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Realtime