

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

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

Router (config)# ip route 10.0.0.0 255.0.0.0 20.0.0.1
Router (config)# ip route 40.0.0.0 255.0.0.0 20.0.0.2

Router (config)# ip route 0.0.0.0 255.0.0.0 20.0.0.2

Router-PT Router - 1

Router-PT Router - 2

PC-PT 10.0.0.10

PC-PT 10.0.0.11

PC-PT 40.0.0.10

Switch-PT

Gateway: 10.0.0.1

Gateway: 10.0.0.1

Gateway: 10.0.0.1

IOS Command Line Interface

```
Router-1
Physical Config CLI
Router-1
Router#
Router#configure terminal
Router(config)#
Router(config)#configure terminal
Router(config)#
Router#show ip route
Codes: C - connected, S - static, I - IGMP, B - BGP, M - mobile, S - 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, 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, FastEthernet0/0
C 20.0.0.0/8 is directly connected, Serial2/0
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 10.0.0.0 255.0.0.0 20.0.0.1
Router(config)#ip route 20.0.0.0 255.0.0.0 20.0.0.1
Router(config)#ip route 40.0.0.0 255.0.0.0 20.0.0.2
Router(config)#ip route 0.0.0.0 255.0.0.0 20.0.0.2
Router#
```

Time: 00:59:25 Power Cycle Devices Fast Forward Time

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

Connections

Toggle PDU List Window

29°C Party sunny

15:47 30-06-2023

Cisco Packet Tracer Student

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

Router (config)# ip route 10.0.0.0 255.0.0.0 20.0.0.1
Router (config)# ip route 40.0.0.0 255.0.0.0 30.0.0.2

Router (config)# ip route 0.0.0.0 255.0.0.0 20.0.0.2

Router-PT Router - 1

Router-PT Router - 2

Router-PT Router - 3

PC-PT 10.0.0.10

PC-PT 10.0.0.11

PC-PT 40.0.0.10

Switch-PT

Gateway: 10.0.0.1

Gateway: 10.0.0.1

Gateway: 10.0.0.1

Gateway: 10.0.0.1

IOS Command Line Interface

```
Router-2
Physical Config CLI
Router-2
Router#
Router#configure terminal
Router(config)#
Router#show ip route
Codes: C - connected, S - static, I - IGMP, B - BGP, M - mobile, S - 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, 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 20.0.0.0/8 is directly connected, Serial2/0
C 30.0.0.0/8 is directly connected, Serial3/0
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 10.0.0.0 255.0.0.0 20.0.0.1
Router(config)#ip route 20.0.0.0 255.0.0.0 20.0.0.1
Router(config)#ip route 40.0.0.0 255.0.0.0 30.0.0.2
Router(config)#ip route 0.0.0.0 255.0.0.0 20.0.0.2
Router#
```

Time: 00:59:37 Power Cycle Devices Fast Forward Time

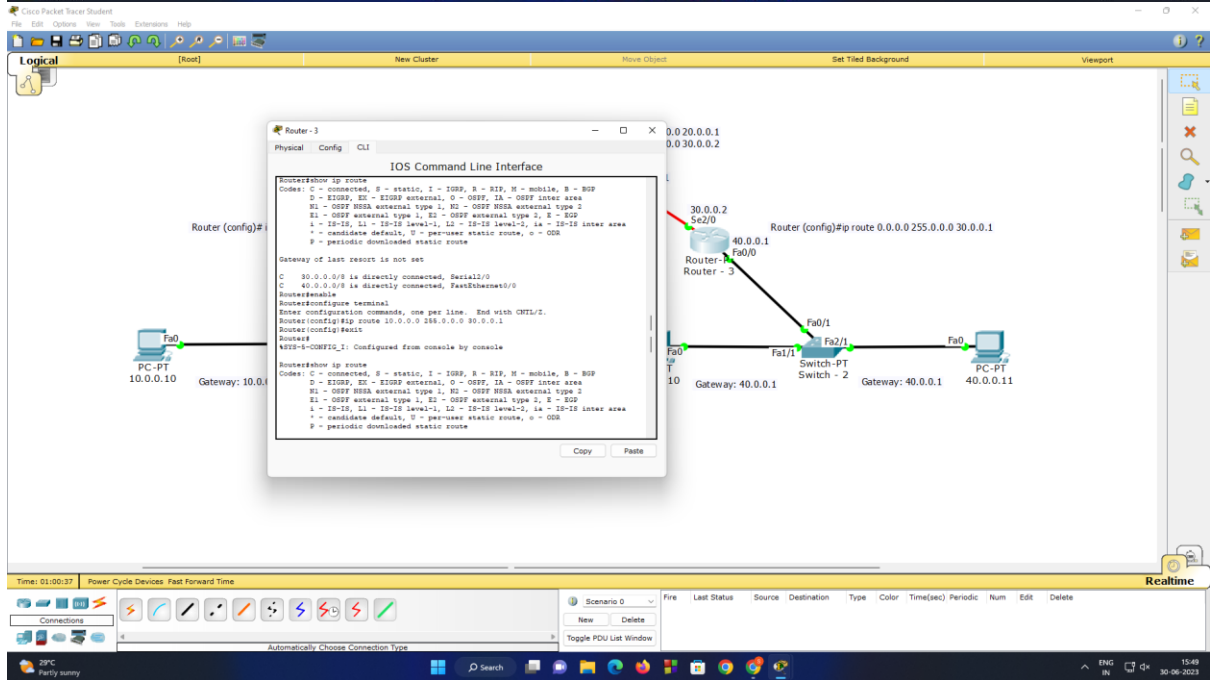
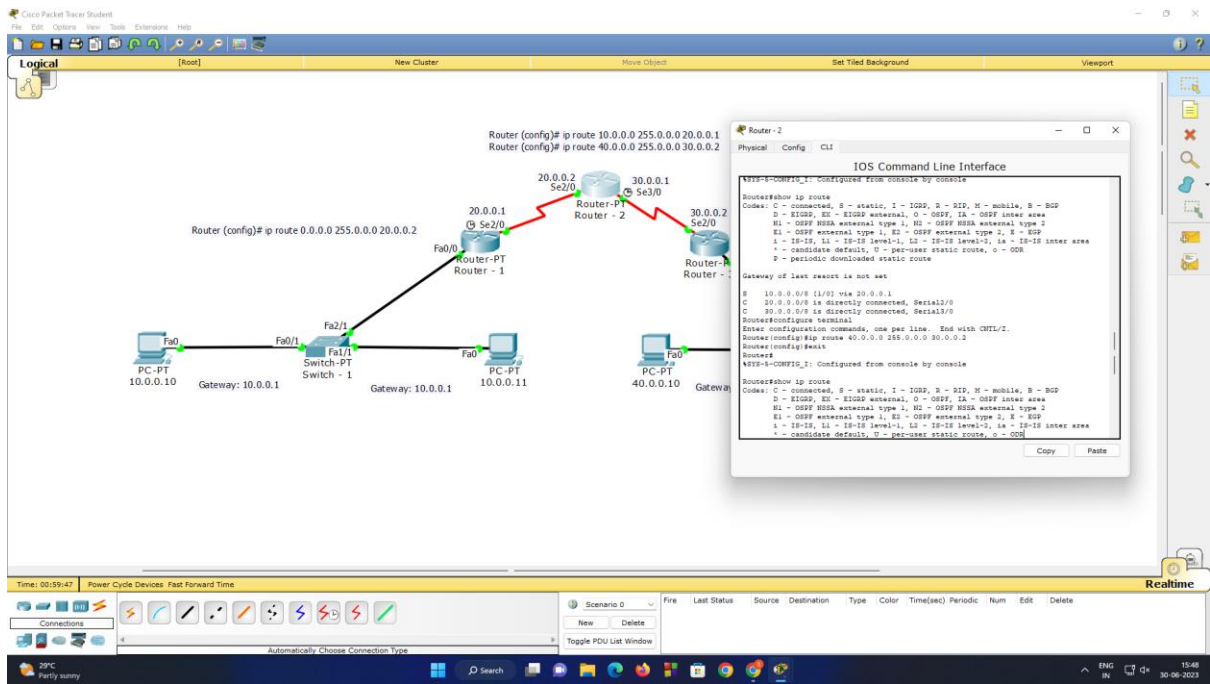
Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Connections

Toggle PDU List Window

29°C Party sunny

15:48 30-06-2023



Router (config)#

```

Router>enable
Router#configure terminal
Router(config)#
Router(config)#ip route 10.0.0.0 255.0.0.0 30.0.0.1
Router(config)#exit
Router#
Router>show ip route
Codes: C - connected, S - static, I - ISDN, 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 - 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, Serial0/0
C    40.0.0.0/8 is directly connected, FastEthernet0/0
P    0.0.0.0/0 [1/0] via 30.0.0.1
Router#
  
```

Router (config)# ip route 0.0.0.0 255.0.0.0 30.0.0.1

Router (config)# ip route 40.0.0.0 255.0.0.0 30.0.0.2

Router (config)# ip route 0.0.0.0 255.0.0.0 20.0.0.1

Router (config)# ip route 40.0.0.0 255.0.0.0 30.0.0.2

Router (config)# ip route 0.0.0.0 255.0.0.0 20.0.0.1

Router (config)# ip route 40.0.0.0 255.0.0.0 30.0.0.1

Command Prompt

```

C:\>ping 40.0.0.11
Pinging 40.0.0.11 with 32 bytes of data:
Request timed out.
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Pinging 40.0.0.11:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milliseconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 40.0.0.11
Pinging 40.0.0.11 with 32 bytes of data:
Request timed out.
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Pinging 40.0.0.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milliseconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
  
```

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

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Router (config)# ip route 40.0.0.0 255.0.0.0 30.0.0.2

20.0.0.2 30.0.0.1

10.0.0.10

PC-PT 10.0.0.10 Gateway: 10.0.0.1

Fa0/1 Fa2/1 Switch-PT Switch - 1

Command Prompt

```
10.0.0.10
C:\>ping 40.0.0.10
Pinging 40.0.0.10 with 32 bytes of data:
Reply from 40.0.0.10: bytes=32 time=1ms TTL=128
Reply from 40.0.0.10: bytes=32 time=1ms TTL=128
Reply from 40.0.0.10: bytes=32 time=1ms TTL=128
Reply from 40.0.0.10: bytes=32 time=1ms TTL=128

Ping statistics for 40.0.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 1ms, Average = 1ms

C:\>ping 40.0.0.11
Pinging 40.0.0.11 with 32 bytes of data:
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128
Reply from 40.0.0.11: bytes=32 time=1ms TTL=128

Ping statistics for 40.0.0.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 1ms, Average = 1ms

C:\>
```

(config)#ip route 0.0.0.0 255.0.0.0 30.0.0.1

Fa0/1 Fa2/1 Switch-PT Switch - 2

40.0.0.10 Gateway: 40.0.0.1

PC-PT 40.0.0.11

Time: 01:01:43 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

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

Toggle PDU List Window

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Cisco Packet Tracer Student - C:\Users\Admin\Downloads\lab 3 (sanchap).pkt

File Edit Options View Tools Extensions Help

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

Static Router Configuration:
Router (config)# ip route 10.0.0.0 255.0.0.0 20.0.0.1
Router (config)# ip route 40.0.0.0 255.0.0.0 30.0.0.2

Default Router Configuration:
Router (config)# ip route 0.0.0.0 255.0.0.0 20.0.0.2

20.0.0.2
Se2/0
Router-PT Router - 2

20.0.0.1
Se2/0
Router-PT Router - 1

30.0.0.1
Se3/0
Router-PT Router - 3

40.0.0.2
Se2/0
Router-PT Router - 3

40.0.0.1
Fa0/0
Router-PT Router - 3

Default Router Configuration:
Router (config)#ip route 0.0.0.0 255.0.0.0 30.0.0.1

Fa0/1 Fa2/1 Switch-PT Switch - 1

PC-PT 10.0.0.10 Gateway: 10.0.0.1

Fa0/1 Fa2/1 Switch-PT Switch - 1

PC-PT 10.0.0.11 Gateway: 10.0.0.1

Fa0/1 Fa2/1 Switch-PT Switch - 2

PC-PT 40.0.0.10 Gateway: 40.0.0.1

Fa0/1 Fa2/1 Switch-PT Switch - 2

PC-PT 40.0.0.11 Gateway: 40.0.0.1

Time: 01:03:40 Power Cycle Devices Fast Forward Time

Connections

Scenario 0

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

Toggle PDU List Window

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