





Router0

```
Router#sh 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

```
      192.168.1.0/24 is variably subnetted, 5 subnets, 3 masks
C       192.168.1.0/26 is directly connected, FastEthernet0/0
C       192.168.1.64/26 is directly connected, FastEthernet0/1
R       192.168.1.96/28 [120/1] via 192.168.1.130, 00:00:11, Serial0/1/0
R       192.168.1.112/28 [120/1] via 192.168.1.130, 00:00:11, Serial0/1/0
C       192.168.1.128/30 is directly connected, Serial0/1/0
```

```
Router#
```

Router1

```
Router#sh 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

```
      192.168.1.0/24 is variably subnetted, 5 subnets, 3 masks
R       192.168.1.0/26 [120/1] via 192.168.1.129, 00:00:08, Serial0/1/1
R       192.168.1.64/26 [120/1] via 192.168.1.129, 00:00:08, Serial0/1/1
C       192.168.1.96/28 is directly connected, FastEthernet0/1
C       192.168.1.112/28 is directly connected, FastEthernet0/0
C       192.168.1.128/30 is directly connected, Serial0/1/1
```

```
Router#
```

PC6

Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0

C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time=21ms TTL=126

Reply from 192.168.1.3: bytes=32 time=12ms TTL=126

Reply from 192.168.1.3: bytes=32 time=14ms TTL=126

Reply from 192.168.1.3: bytes=32 time=16ms TTL=126

Ping statistics for 192.168.1.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 12ms, Maximum = 21ms, Average = 15ms

C:\>ping 192.168.1.66

Pinging 192.168.1.66 with 32 bytes of data:

Reply from 192.168.1.66: bytes=32 time=2ms TTL=126

Reply from 192.168.1.66: bytes=32 time=29ms TTL=126

Reply from 192.168.1.66: bytes=32 time=29ms TTL=126

Reply from 192.168.1.66: bytes=32 time=47ms TTL=126

Ping statistics for 192.168.1.66:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 2ms, Maximum = 47ms, Average = 26ms

C:\>