

Pacific-ISP#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

```
10.0.0.0/24 is subnetted, 2 subnets
B    10.15.6.0 [20/0] via 192.168.3.2, 00:00:00
B    10.200.24.0 [20/0] via 192.168.4.2, 00:00:00
172.16.0.0/16 is variably subnetted, 5 subnets, 2 masks
B    172.16.0.0/30 [20/0] via 192.168.1.1, 00:00:00
B    172.16.5.0/24 [20/0] via 192.168.1.1, 00:00:00
B    172.16.6.0/24 [20/0] via 192.168.1.1, 00:00:00
B    172.16.10.0/24 [20/0] via 192.168.1.1, 00:00:00
B    172.16.20.0/24 [20/0] via 192.168.1.1, 00:00:00
192.168.1.0/30 is subnetted, 1 subnets
C    192.168.1.0 is directly connected, FastEthernet0/0
192.168.2.0/30 is subnetted, 1 subnets
```

--More--

Vermont-ISP#enable

Vermont-ISP#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

```
10.0.0.0/24 is subnetted, 2 subnets
B    10.15.6.0 [20/0] via 192.168.1.2, 00:00:00
B    10.200.24.0 [20/0] via 192.168.1.2, 00:00:00
172.16.0.0/16 is variably subnetted, 5 subnets, 2 masks
B    172.16.0.0/30 [20/20] via 192.168.2.2, 00:00:00
B    172.16.5.0/24 [20/2] via 192.168.2.2, 00:00:00
B    172.16.6.0/24 [20/2] via 192.168.2.2, 00:00:00
B    172.16.10.0/24 [20/20] via 192.168.2.2, 00:00:00
B    172.16.20.0/24 [20/65] via 192.168.2.2, 00:00:00
192.168.1.0/30 is subnetted, 1 subnets
C    192.168.1.0 is directly connected, FastEthernet0/0
192.168.2.0/30 is subnetted, 1 subnets
C    192.168.2.0 is directly connected, FastEthernet0/1
192.168.3.0/30 is subnetted, 1 subnets
B    192.168.3.0 [20/0] via 192.168.1.2, 00:00:00
192.168.4.0/30 is subnetted, 1 subnets
B    192.168.4.0 [20/0] via 192.168.1.2, 00:00:00
```

Vermont-ISP#

BTV-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 192.168.2.1 to network 0.0.0.0

10.0.0.0/24 is subnetted, 2 subnets
B 10.15.6.0 [20/0] via 192.168.2.1, 00:00:00
B 10.200.24.0 [20/0] via 192.168.2.1, 00:00:00
172.16.0.0/16 is variably subnetted, 5 subnets, 2 masks
C 172.16.0.0/30 is directly connected, Serial0/1/0
O 172.16.5.0/24 [110/2] via 172.16.10.2, 00:40:15, FastEthernet0/0
O 172.16.6.0/24 [110/2] via 172.16.10.2, 00:40:15, FastEthernet0/0
C 172.16.10.0/24 is directly connected, FastEthernet0/0
O 172.16.20.0/24 [110/65] via 172.16.0.2, 00:39:05, Serial0/1/0
192.168.1.0/30 is subnetted, 1 subnets
B 192.168.1.0 [20/0] via 192.168.2.1, 00:00:00
192.168.2.0/30 is subnetted, 1 subnets
C 192.168.2.0 is directly connected, FastEthernet0/1
192.168.3.0/30 is subnetted, 1 subnets
B 192.168.3.0 [20/0] via 192.168.2.1, 00:00:00
192.168.4.0/30 is subnetted, 1 subnets
B 192.168.4.0 [20/0] via 192.168.2.1, 00:00:00
S* 0.0.0.0/0 [1/0] via 192.168.2.1



Customer PC 10.200.24.2

Physical

Config

Desktop

Programming

Attributes

Command Prompt

```
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.16.6.2

Pinging 172.16.6.2 with 32 bytes of data:

Reply from 172.16.6.2: bytes=32 time=16ms TTL=123
Reply from 172.16.6.2: bytes=32 time=1ms TTL=123
Reply from 172.16.6.2: bytes=32 time=8ms TTL=123
Reply from 172.16.6.2: bytes=32 time=2ms TTL=123

Ping statistics for 172.16.6.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 16ms, Average = 6ms

C:\>
C:\>
```