ROUTER 0

Press RETURN to get started!

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router>enable

Router#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

S 20.0.0.0/8 [1/0] via 150.15.0.2

S 100.0.0.0/8 [1/0] via 150.15.0.2

S 140.27.0.0/16 [1/0] via 150.15.0.2

C 150.15.0.0/16 is directly connected, FastEthernet1/0

C 171.16.0.0/16 is directly connected, FastEthernet0/0

C 192.168.1.0/24 is directly connected, FastEthernet0/1

S 194.168.2.0/24 [1/0] via 150.15.0.2

S 200.5.7.0/24 [1/0] via 150.15.0.2

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#router rip

Router(config-router)#network 150.15.0.0

Router(config-router)#network 192.168.1.0

Router(config-router)#network 171.16.0.0

Router(config-router)#do 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

S 20.0.0.0/8 [1/0] via 150.15.0.2

S 100.0.0.0/8 [1/0] via 150.15.0.2

S 140.27.0.0/16 [1/0] via 150.15.0.2

C 150.15.0.0/16 is directly connected, FastEthernet1/0

C 171.16.0.0/16 is directly connected, FastEthernet0/0

C 192.168.1.0/24 is directly connected, FastEthernet0/1

S 194.168.2.0/24 [1/0] via 150.15.0.2

S 200.5.7.0/24 [1/0] via 150.15.0.2

ROUTER 1

Press RETURN to get started!

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router>enable

Router#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

C 20.0.0.0/8 is directly connected, FastEthernet1/1

C 100.0.0.0/8 is directly connected, FastEthernet0/1

S 140.27.0.0/16 [1/0] via 194.168.2.2

C 150.15.0.0/16 is directly connected, FastEthernet0/0

S 171.16.0.0/16 [1/0] via 150.15.0.1

S 192.168.1.0/24 [1/0] via 150.15.0.1

C 194.168.2.0/24 is directly connected, FastEthernet1/0

S 200.5.7.0/24 [1/0] via 20.0.0.2

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#router rip

Router(config-router)#network 20.0.0.0

Router(config-router)#network 100.0.0.0

Router(config-router)#network 150.15.0.0

Router(config-router)#network 194.168.2.0

Router(config-router)#do 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

C 20.0.0.0/8 is directly connected, FastEthernet1/1

C 100.0.0.0/8 is directly connected, FastEthernet0/1

S 140.27.0.0/16 [1/0] via 194.168.2.2

C 150.15.0.0/16 is directly connected, FastEthernet0/0

S 171.16.0.0/16 [1/0] via 150.15.0.1

S 192.168.1.0/24 [1/0] via 150.15.0.1

C 194.168.2.0/24 is directly connected, FastEthernet1/0

S 200.5.7.0/24 [1/0] via 20.0.0.2

ROUTER 2

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router>enable

Router#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

C 20.0.0.0/8 is directly connected, FastEthernet0/0

S 100.0.0.0/8 [1/0] via 20.0.0.1

S 140.27.0.0/16 [1/0] via 20.0.0.1

S 150.15.0.0/16 [1/0] via 20.0.0.1

S 171.16.0.0/16 [1/0] via 20.0.0.1

S 192.168.1.0/24 [1/0] via 20.0.0.1

S 194.168.2.0/24 [1/0] via 20.0.0.1

C 200.5.7.0/24 is directly connected, FastEthernet0/1

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#router rip

Router(config-router)#network 20.0.0.0

Router(config-router)#network 200.5.7.0

Router(config-router)#do 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

C 20.0.0.0/8 is directly connected, FastEthernet0/0

S 100.0.0.0/8 [1/0] via 20.0.0.1

S 140.27.0.0/16 [1/0] via 20.0.0.1

S 150.15.0.0/16 [1/0] via 20.0.0.1

S 171.16.0.0/16 [1/0] via 20.0.0.1

S 192.168.1.0/24 [1/0] via 20.0.0.1

S 194.168.2.0/24 [1/0] via 20.0.0.1

C 200.5.7.0/24 is directly connected, FastEthernet0/1

ROUTER 3

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router>en

Router#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

S 20.0.0.0/8 [1/0] via 194.168.2.1

100.0.0.0/16 is subnetted, 1 subnets

S 100.0.0.0 [1/0] via 194.168.2.1

C 140.27.0.0/16 is directly connected, FastEthernet0/1

S 150.15.0.0/16 [1/0] via 194.168.2.1

S 171.16.0.0/16 [1/0] via 194.168.2.1

S 192.168.1.0/24 [1/0] via 194.168.2.1

C 194.168.2.0/24 is directly connected, FastEthernet0/0

S 200.5.7.0/24 [1/0] via 194.168.2.1

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#router rip

Router(config-router)#network 140.27.0.0

Router(config-router)#network 194.168.2.0

Router(config-router)#do 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

S 20.0.0.0/8 [1/0] via 194.168.2.1

100.0.0.0/16 is subnetted, 1 subnets

S 100.0.0.0 [1/0] via 194.168.2.1

C 140.27.0.0/16 is directly connected, FastEthernet0/1

S 150.15.0.0/16 [1/0] via 194.168.2.1

S 171.16.0.0/16 [1/0] via 194.168.2.1

S 192.168.1.0/24 [1/0] via 194.168.2.1

C 194.168.2.0/24 is directly connected, FastEthernet0/0

S 200.5.7.0/24 [1/0] via 194.168.2.1