

LAB Routing Table

A network has three routers. Three routing tables are listed below. Based on the routing tables, **draw the network connectivity** including loopback addresses, serial connections, and Ethernet connections. Label each connection with the appropriate IP address and interface number.

RouterA# 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

R 10.0.2.0/24 [120/1] via 200.200.40.2, 00:00:04, Serial1

R 10.0.1.0/24 [120/1] via 200.200.40.2, 00:00:04, Serial1

R 192.168.2.0/24 [120/2] via 200.200.40.2, 00:00:04, Serial1

R 192.168.5.0/24 [120/2] via 200.200.40.2, 00:00:04, Serial1

C 200.200.40.0/24 is directly connected, Serial1

C 200.200.10.0/24 is directly connected, Loopback0

C 200.200.11.0/24 is directly connected, FastEthernet0

RouterB# 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 – OSFP 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 10.0.2.0/24 is directly connected, FastEthernet0

R 10.0.1.0/24 [120/1] via 10.0.2.2, 00:00:12, FastEthernet0

C 192.168.2.0/24 is directly connected, Loopback1

C 192.168.5.0/24 is directly connected, Loopback0

R 200.200.40.0/24 [120/1] via 10.0.2.2, 00:00:12, FastEthernet0

R 200.200.10.0/24 [120/2] via 10.0.2.2, 00:00:12, FastEthernet0

R 200.200.11.0/24 [120/2] via 10.0.2.2, 00:00:12, FastEthernet0

RouterC# 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 10.0.2.0/24 is directly connected, FastEthernet0

C 10.0.1.0/24 is directly connected, Loopback0

R 192.168.2.0/24 [120/1] via 10.0.2.1, 00:00:01, FastEthernet0

R 192.168.5.0/24 [120/1] via 10.0.2.1, 00:00:01, FastEthernet0

C 200.200.40.0/24 is directly connected, Serial1

R 200.200.10.0/24 [120/1] via 200.200.40.1, 00:00:24, Serial1

R 200.200.11.0/24 [120/1] via 200.200.40.1, 00:00:24, Serial1