R2#sh ip route

Codes: L - local, C - connected, S - static, 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

i - IS-IS, su - IS-IS summary, 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, H - NHRP, l - LISP

+ - replicated route, % - next hop override

Gateway of last resort is not set

192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.2.0/24 is directly connected, GigabitEthernet0/0

L 192.168.2.2/32 is directly connected, GigabitEthernet0/0

192.168.3.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.3.0/24 is directly connected, GigabitEthernet0/1

L 192.168.3.1/32 is directly connected, GigabitEthernet0/1

O 192.168.4.0/24 [110/2] via 192.168.3.2, 00:36:20, GigabitEthernet0/1

O IA 192.168.5.0/24 [110/3] via 192.168.3.2, 00:36:10, GigabitEthernet0/1

R2#sh ipv6 route

IPv6 Routing Table - default - 7 entries

Codes: C - Connected, L - Local, S - Static, U - Per-user Static route

B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP

H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea

IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO

ND - ND Default, NDp - ND Prefix, DCE - Destination, NDr - Redirect

O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2

ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, l - LISP

C 2001:DB8:B::/64 [0/0]

via GigabitEthernet0/0, directly connected

L 2001:DB8:B::2/128 [0/0]

via GigabitEthernet0/0, receive

C 2001:DB8:C::/64 [0/0]

via GigabitEthernet0/1, directly connected

L 2001:DB8:C::1/128 [0/0]

via GigabitEthernet0/1, receive

O 2001:DB8:D::/64 [110/2]

via FE80::3, GigabitEthernet0/1

OI 2001:DB8:E::/64 [110/3]

via FE80::3, GigabitEthernet0/1

L FF00::/8 [0/0]

via Null0, receive

R2#show ospf neighbor

OSPFv3 1 address-family ipv6 (router-id 2.2.2.2)

Neighbor ID Pri State Dead Time Interface ID Interface

3.3.3.3 1 FULL/DR 00:00:36 5 GigabitEthernet0/1

1.1.1.1 1 FULL/BDR 00:00:36 5 GigabitEthernet0/0

R2#show ospfv3 neighbor

OSPFv3 1 address-family ipv6 (router-id 2.2.2.2)

Neighbor ID Pri State Dead Time Interface ID Interface

3.3.3.3 1 FULL/DR 00:00:32 5 GigabitEthernet0/1

1.1.1.1 1 FULL/BDR 00:00:32 5 GigabitEthernet0/0