

CCIE Enterprise Infrastructure v1.0 Bootcamp Labs - Multicast

1. IGP
 - 1.1. Configure EIGRP on all the physical interfaces of all devices, and the SVIs of the switches.
 - 1.2. Advertise their Loopback0 networks into EIGRP.
2. PIM
 - 2.1. Configure PIM Sparse Mode on all interfaces running EIGRP, including the Loopback0 networks.
3. Auto-RP
 - 3.1. Configure R6 as the Auto-RP and Mapping Agent for multicast groups 225.0.0.0/8.
4. BSR
 - 4.1. Configure R14 as the BSR and RP Candidate for multicast groups 226.0.0.0/8.
5. Anycast RP
 - 5.1. Configure a new Loopback interface 192.168.1.255/32 on R13 and R7 and advertise it into EIGRP.
 - 5.2. Use this address as the Anycast RP for groups 227.0.0.0/8.
6. Multicast Testing
 - 6.1. Configure R9's Loopback0 to join the multicast groups 225.0.0.9, 226.0.0.9, and 227.0.0.9.
 - 6.2. Ensure that you can ping these groups from R11.
7. Multicast Tunneling
 - 7.1. Disable PIM on R12's link to SW1.
 - 7.2. Configure a tunnel between R12 and R8, and enable PIM on it.
 - 7.3. Configure R12's Loopback0 to join the multicast groups 225.0.0.12, 226.0.0.12, and 227.0.0.12.
 - 7.4. Ensure that you can ping these groups from R9, and that traffic is sent over the tunnel as opposed to the physical infrastructure.