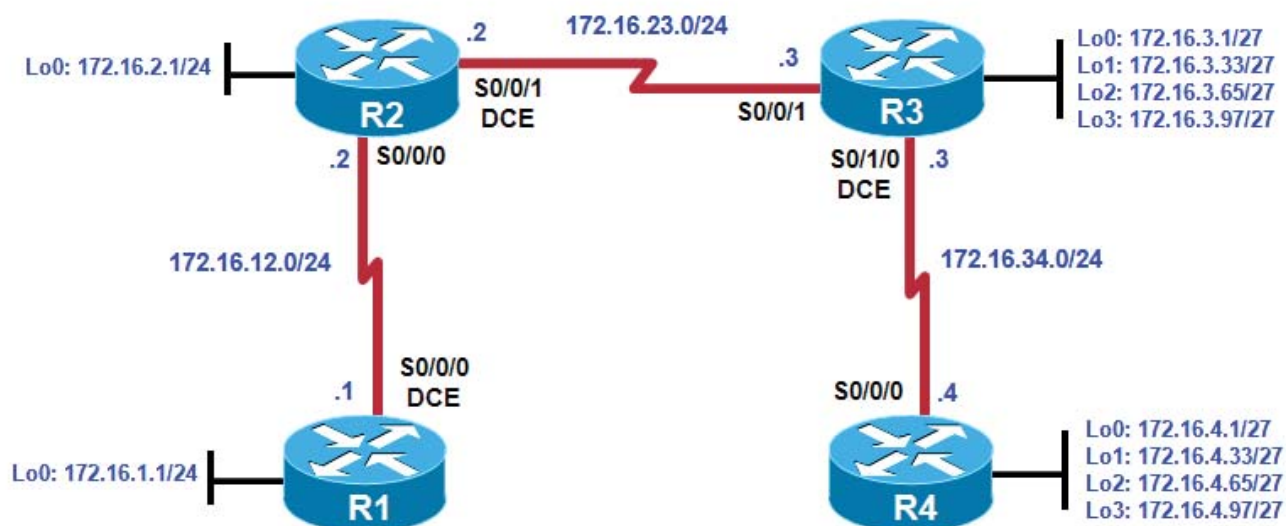


Chapter 2 Lab 2-6, EIGRP Challenge Lab

Topology



Objectives

- Implement a topology and EIGRP routing.

Required Resources

- 4 routers (Cisco 1841 with Cisco IOS Release 12.4(24)T1 Advanced IP Services or comparable)
- Serial and console cables

Note: This lab uses Cisco 1841 routers with Cisco IOS Release 12.4(24)T1 and the Advanced IP Services image c1841-advipservicesk9-mz.124-24.T1.bin. You can use other routers (such as a 2801 or 2811) and Cisco IOS Software versions if they have comparable capabilities and features. Depending on the router model and Cisco IOS Software version, the commands available and output produced might vary from what is shown in this lab.

Challenge Steps

- Configure all interfaces in the topology diagram with the IP addresses shown. Configure a bandwidth of 64 on all serial interfaces.
- Configure EIGRP AS 1 to route all networks shown in the diagram.
- Disable auto-summarization.
- Configure R4 to summarize its loopback addresses to the most specific summary possible.
- Do not multicast EIGRP hellos on the network between R1 and R2.
