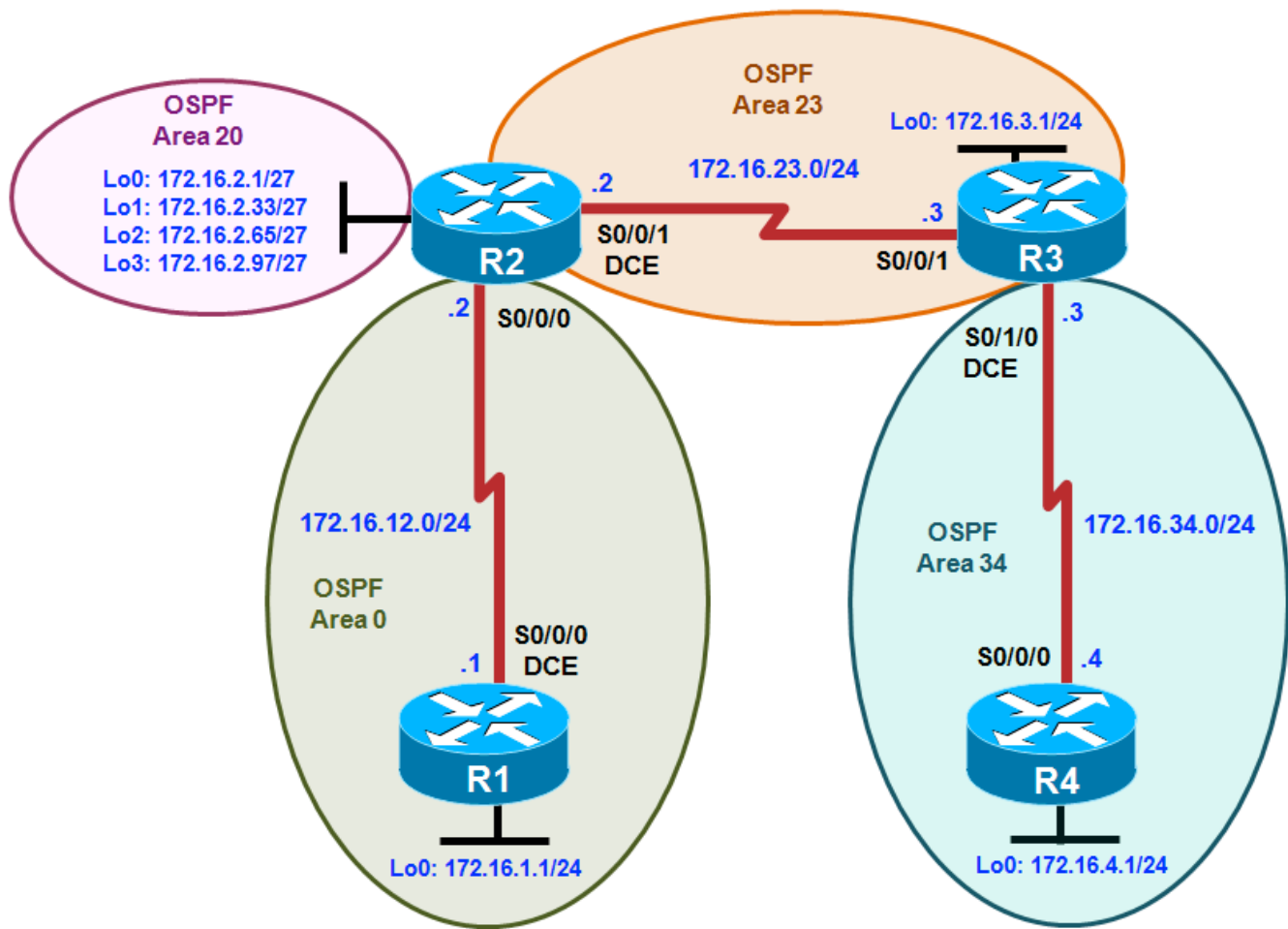


Lab 7 OSPF Challenge Lab

Topology



Objectives

- Implement the topology diagram following the instructions in the Configuration Requirements section.

Configuration Requirements

1. Configure the interfaces in the diagram with the IP addresses shown.
2. Configure the bandwidth to reflect the actual bandwidth of all serial links.
3. Configure OSPF with interfaces in the areas shown in the diagram.
4. Configure R2 to summarize area 20 with the most specific mask possible.
5. Make the link between R1 and R2 have the OSPF network type of broadcast, with R1 as the DR.
6. Configure R1 to always originate a default route.
7. Modify the link between R2 and R3 to have hello timers and dead timers that are double the default values.
8. Make the link between R2 and R3 have a cost of 500.
9. Configure area 34 to be a totally stubby area.
10. Figure out the hidden issue in the topology that you need to address to have full connectivity.
11. Verify that there is connectivity between all the routers in the topology.

