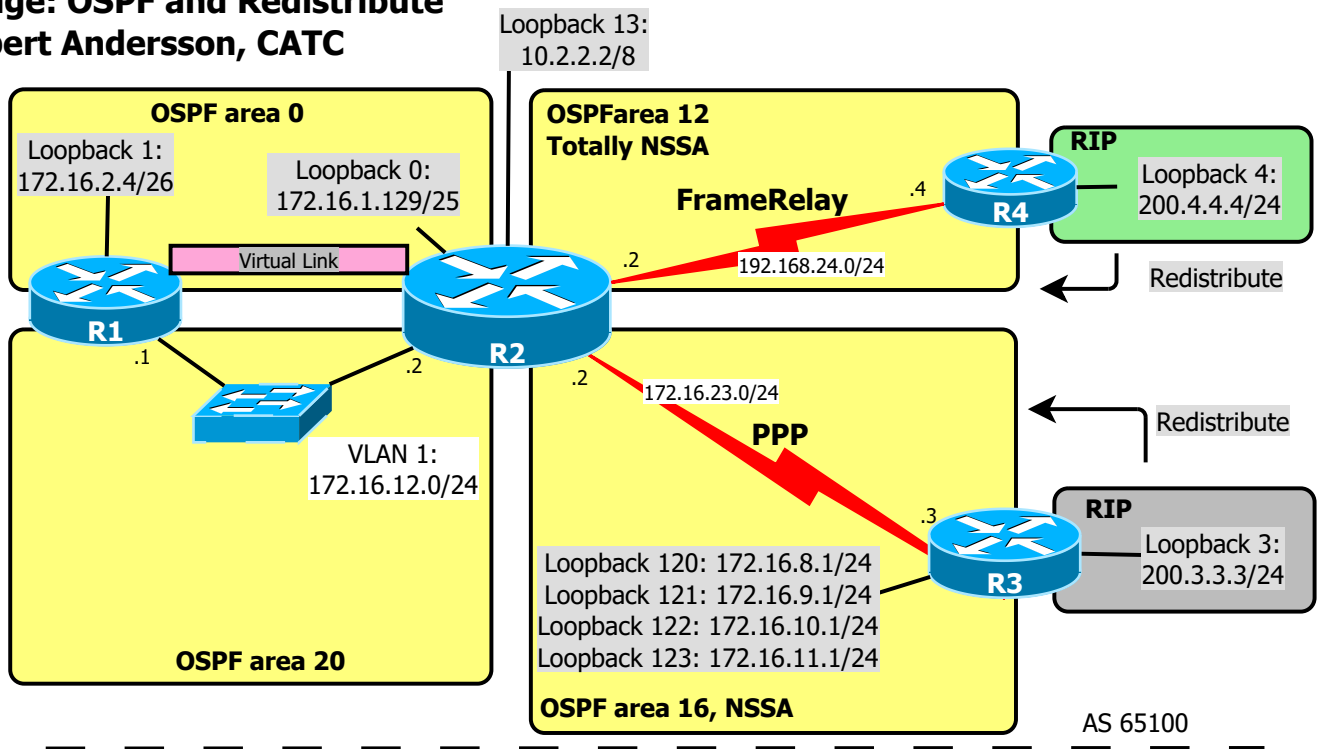


Challenge: OSPF and Redistribute (c) Robert Andersson, CATC



PRE-THINKING

1. How will the routing tables look like when the lab is done; write them down and compare with actual result.

REQUIREMENTS

2. Do basic configuration: SSH, passwords, description etc
3. Configure according to the diagram shown above.
4. Configure FrameRelay-Back2Back (no keepalive) with a non cisco propriety protocol.
5. Set router-ID on R1 to 1.1.1.1, on R2 to 2.2.2.2 etc
6. Configure OSPF plaintext password on ethernet and MD5 on WAN-links.
7. Make shure OSPF uses correct subnet mask on all loopback interfaces (HINT: link type)
8. Configure OSPF passive interface's on R1 for the loopback links.
9. Summarize the loopback interfaces of R3 on the ABR with the most efficient mask
10. Redistribute connected (loopback 13) interface into OSPF to get an E1 in area 0
11. Redistribute RIP on R3 and R4 _into_ OSPF.
12. Configure R1 to distribute, by OSPF, a default route to 172.16.2.4 .

PART 2

13. Remove RIP and RIP-redistribution and try `stub` and `totally stubby` in area 12 respectively area 13;
 - What differs with the four area types?
 - Which LSA's are filtered and which are translated?
 - Any other side effects?