

BGP

- Disable automatic neighbor activation prior to BGP configuration
- Configure BGP peering between directly connected interfaces when possible. iBGP peering to non-connected neighbors should be configured using loopback interfaces.
- Configure ASN 200 with full-mesh iBGP peering
- Configure every router to advertise its directly connected networks. Redistribution is allowed only in ASN 200
- Configure AS-Path prepending on R8 so that the Loopback interfaces contain ASN 456, 7889, 123
- Configure R7 so that the Loopback interfaces contain ASN 800, 900, 1000
- Configure R9 to suppress all IPv4 prefixes received by R8 and summarize them into a single /25 route. Advertise the /25 route to other BGP peers. Prepended ASNs should still be visible within the summarized route
- Configure R5 and R6 to suppress all IPv4 prefixes received by R7 and summarize them into a single /22 route. Advertise the /22 route to other BGP peers. Prepended ASNs should still be visible within the summarized route

