



Section 2 - IGP

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Task 2.8

- Configure OSPF in DENVER site as per the following requirements:
 - Configure OSPF AREA 0 adjacency between R19 and R20.
 - Configure OSPF AREA 1 adjacency between R19 and R21.
 - Configure OSPF AREA 1 adjacency between R20 and R21.
 - Configure OSPF AREA 2 adjacency between R19 and R29.
 - Configure OSPF AREA 2 adjacency between R21 and R29.
 - Configure OSPF AREA 3 adjacency between R20 and R30.
 - Configure OSPF AREA 4 adjacency between R30 and R31.
 - Router-ID must be in the format of X.X.X.X, where X is the router number.
 - Interface Loopback0 of R29 must be advertised as a Type-5 LSA. Traffic destined to this loopback must use OSPF cost plus the redistributed cost. Ensure R20 can reach this loopback.

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- Interface Loopback0 of R19 and R20 must be advertised in AREA 0.
- Interface Loopback0 of R21 must be advertised in AREA 1.
- Interface Loopback0 of R30 must be advertised in AREA 3.
- Interface Loopback0 of R31 must be advertised in AREA 4.
- Ensure R19 is always the DR and R29 never participates in DR election.
- Ensure all networks within the OSPF domain of DENVER can reach each other.