



Section 2 - IGP

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Task 2.6

- Specific Route path selection is desired on R10 and R16. Configure as per the following requirements:
 - R10 must use R11 as the primary path to reach 150.13.13.13 and R12 as the backup. Do not create any ACL or route-maps to achieve this.
 - R16 must use R15 as the primary path to reach 150.10.10.10 and R14 as the backup. Do not create any ACL or route-maps to achieve this.
 - R10 must use R11 as the primary path to reach 150.17.17.17 and R12 as the backup. Use an access-list on R10 to achieve.
 - R16 must use R15 as the primary path to reach 150.11.11.11 and R14 as the backup. Use an access-list on R16 to achieve.

Task 2.6

- Use an access-list to ensure the output on R17 matches:

```
R17#sh ip route 10.16.18.0
Routing entry for 10.16.18.0/24
  Known via "eigrp 200", distance 90, metric 15360, type internal
  Redistributing via eigrp 200
  Last update from 10.17.18.18 on GigabitEthernet0/2, 00:00:29 ago
  Routing Descriptor Blocks:
    * 10.17.18.18, from 10.17.18.18, 00:00:29 ago, via GigabitEthernet0/2
      Route metric is 15360, traffic share count is 1
      Total delay is 20 microseconds, minimum bandwidth is 1000000 Kbit
      Reliability 255/255, minimum MTU 1500 bytes
      Loading 1/255, Hops 1
```