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The Routing Table

- A routing table is a file stored in RAM that contains information about:
  - Directly connected routes
  - Remote routes
  - Network or next hop associations
Default Static IPv6 Routes

Enter command to configure an IPv6 Static Default Route

R1(config)#ipv6 route ::/0 s0/0/0
R1(config)#exit
R1#

R1#show ipv6 route
IPv6 Routing Table - default - 8 entries
Codes: C - Connected, L - Local, S - Static,
            O - Per-user Static route
            B - BGP, R - RIP, H - NHRP, I1 - ISIS I1
            I2 - ISIS I2, IA - ISIS interarea, IS - ISIS summary,
            D - EIGRP
            EX - EIGRP external, ND - ND Default, NDP - ND Prefix,
            DCH - Destination
            NDR - Redirect, O - OSPF Intra, OS - OSPF Inter,
            OS1 - OSPF ext 1
            OS2 - OSPF ext 2, ON1 - OSPF NSSA ext 1,
            ONS2 - OSPF NSSA ext 2
S       ::/0 [1/0]
        via Serial0/0/0, directly connected
C 2001:0DB8:ACAD:1/64 [2/0]
    via GigabitEthernet0/0, directly connected
A level 1 parent route is a level 1 network route that is subnetted.

A parent route can never be an ultimate route.