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| **Command** | **Description** |
| ip routing | Enables IP routing on the switch, allowing it to route packets between different networks. |
| interface Ethernet <id> | Enters the configuration mode for the specified Ethernet interface. |
| no switchport | Converts the interface from Layer 2 (switching) to Layer 3 (routing) mode. |
| ip address unnumbered <int> | Configures an IP unnumbered link, borrowing the IP address from another interface, typically a loopback. |
| ip ospf network point-to-point | Configures the OSPF network type as point-to-point on the interface. |
| ip ospf area <area> | Assigns the interface to the specified OSPF area. |
| router ospf <process-id> | Enters the OSPF routing process configuration mode with the specified process ID. |
| network <ip> area <area> | Advertises the specified network in the OSPF area. |
| show ip ospf neighbor | Displays the OSPF neighbor adjacencies and their status. |
| show ip ospf | Displays the OSPF process information, including area details and router roles. |
| show ip ospf database | Displays the OSPF database, including Link State Advertisements (LSAs) for the specified area. |
| clear ip ospf neighbor \* | Resets all OSPF neighbor adjacencies. |