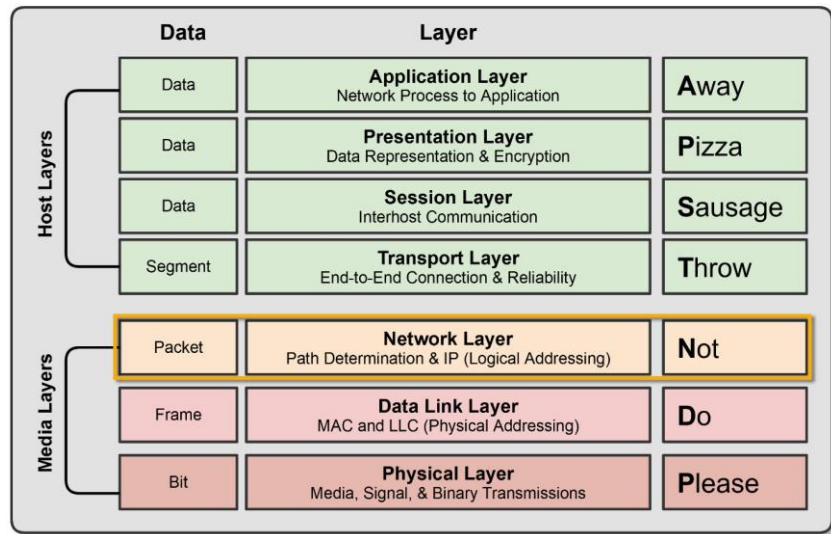


Layer 3 - Network Layer

- The “Routing” Layer
- Provides logical addressing (IP Addressing) and routing services.
- Places two IP addresses into a packet:
 - Source Address & Destination IP Address
- Internet Protocol (IP)
 - The primary network protocol used on the Internet, IPv4, IPv6 Logical Addresses



Layer 3 - Network Layer

Types of Packets at Network Layer:

- **Data Packets**
 - Routed Internet Protocol (IP) data packets.
 - IPv4 & IPv6
- **Route-Update Packets**
 - Routing protocols designed to update neighboring routers with router information for path determination.
 - RIP, OSPF, EIGRP, etc.

Layer 3 Devices & Protocols:

- Routers & Multi-Layer Switches
- IPv4 & IPv6
- Internet Control Message Protocol (ICMP), i.e., Ping

