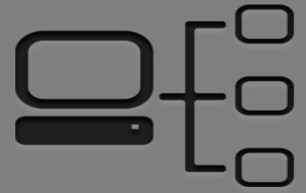


The OSI Model



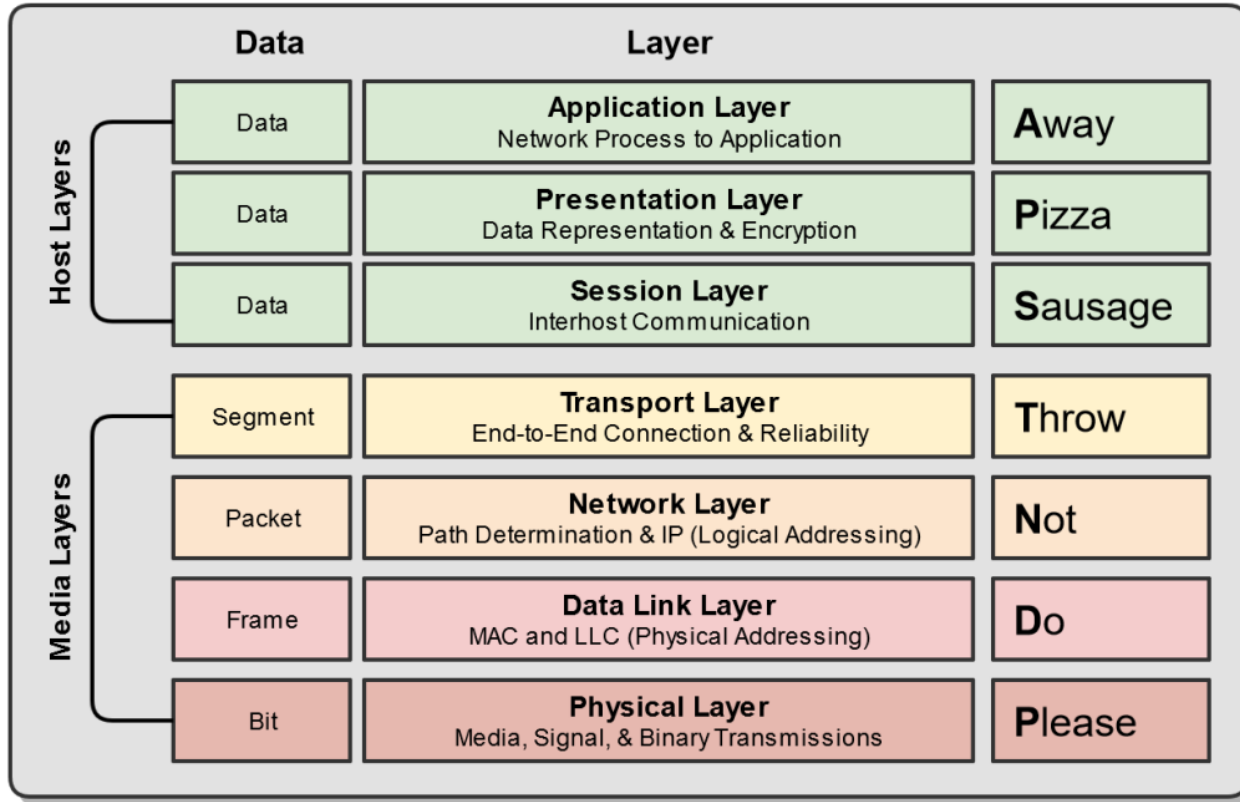
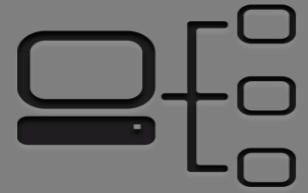
- **What is it?**
- The *Open Systems Interconnection (OSI) Reference Model*
 - A **conceptual** framework showing us how data moves throughout a network.
- **Why was it developed?**
 - Created to give us a guide to under how networks operate.
- It is only a **reference model**, so don't get wrapped up in the details.
- It is not implemented in the **real world**, TCP/IP is.

The OSI Model Stack



- The OSI Model breaks down the complex task of computer-to-computer network communications into 7 layers.
- **Upper Layers (Host Layers)**
 - Handled by the **host computer** and performs application-specific functions, such as data formatting, encryption, and connection management.
- **Lower Layers (Media Layers)**
 - Provide **network-specific** functions, such as routing, addressing, and flow control.

The OSI Model Visualized



OSI Communication

