

The OSI Model

Old model but great for teaching

↓
Reference model

What is it?

The Open Systems Interconnection (OSI) Reference Model

- A **conceptual framework** showing us how data moves throughout a network.
- Developed by the International Organization for Standardization (ISO) in 1977.

It's Purpose

- Gives us a guide to understanding how networks operate.

It's only a **reference model**, so don't get wrapped up in the details.

- Wasn't implemented in the real world, TCP/IP is.

use TCP/IP instead

The OSI Model Stack

The OSI Model breaks down the complex task of computer-to-computer network communications into seven layers.

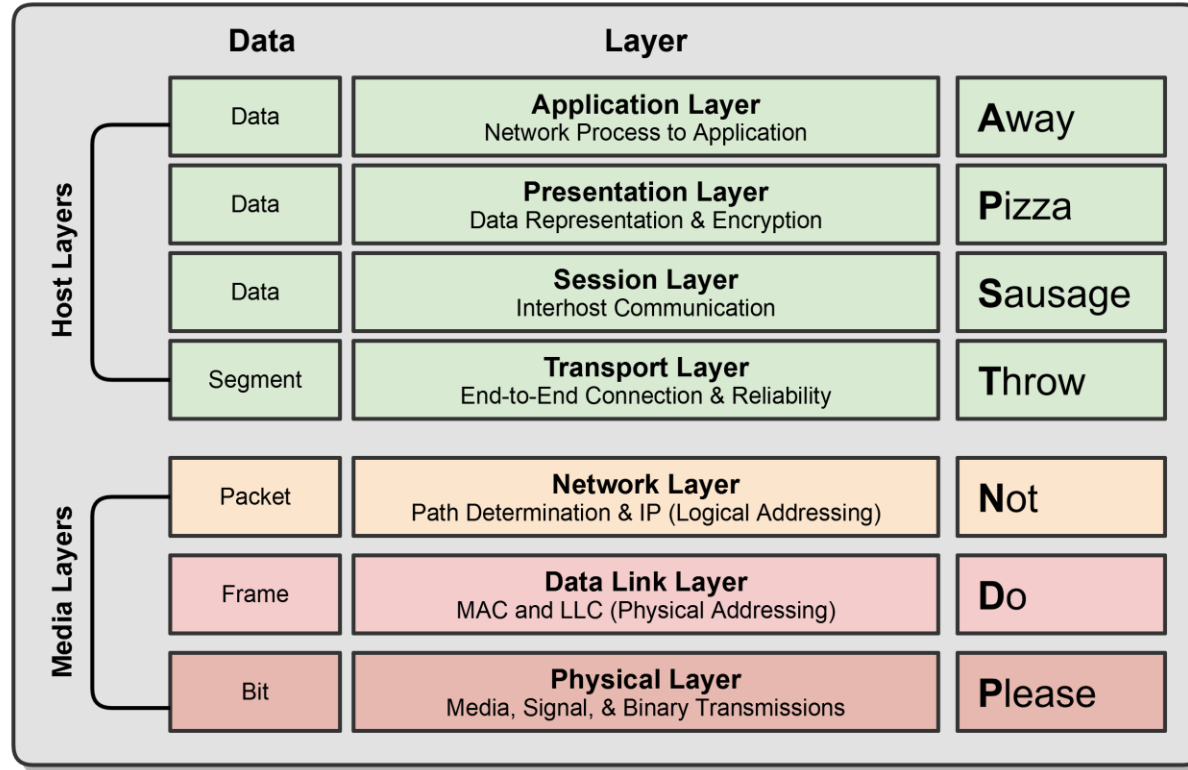
Upper Layers (Host Layers)

- 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

