

## Basic Protocol Architecture

### Simplified View of Data Comms

Application: File trans, email, web browsing, remote login, etc.

Computers: Devices involved in Data Comms

Networks: Infrastructure enabling comms between devices.

Divide Tasks into **3** Layers

Application, Transport, Network

## History & Terminology of Network Protocols

### ARPANET & TCP/IP Protocol Suite

- ARPANET implemented TCP/IP Suite which is the foundation of the modern global internet.
- Standards are maintained by **IAB** (Internet Arch Board) and **IETF** (Internet eng taskforce)
- No formal protocol arch, often categorized into 5 layers

### ISO's Open System Interconnection (**OSI**) Model

- Introduced in 1970s by International Organization for Standardization provides a theoretical 7-layer model
- TCP/IP is more dominant than OSI
- Though not implemented in practice, principles & terminology are still relevant today.