

# CSCI 251: Concepts of Parallel and Distributed Systems

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## Networking

Topics:

- What is the Internet?
- What is a protocol?
- Network edge: hosts, access net, physical media
- Network core: packet/circuit switching, Internet structure
- Performance
- Security
- Service Models
- History

## What is the Internet?

- Billions of connected computing devices
- Communication links: fiber optic, copper wires, radio, etc.
- Packet Switches: forward packets and chunks of data

- Interconnected network of networks governed by protocols for sending and receiving data
- Infrastructure that provides services to applications and a programming interface for apps
- A **protocol** is a definition for the format, order, and actions taken for messages transmitted across the Internet

Refer to MyCourses for slides.

## Reminders

Project 2 details. Let Professor Kumar know if you are working solo or in a group by Monday, November 20th.

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You can find all my notes at `http://omgimanerd.tech/notes`. If you have any questions, comments, or concerns, please contact me at `alvin@omgimanerd.tech`