

Lecture 4: IP, Forwarding, and Switch Fabrics

Overview

- **Internet Protocol (v4)**
 - What it provides and its header
 - Fragmentation and assembly
- **IP Addresses**
 - Format and assignment: class-A, class-B, CIDR
 - Mapping, translation, and DHCP
- **Packet forwarding, circuits, source routing**
- **Switch fabrics**
- **Bisection bandwidth**

Internet Protocol Goal

- Glue lower-level networks together

