

Lecture 5 - Transport Layer

Overview

We have a small bit of lecture material with regards to SMTP, P2P, and CDNs to finish up from the last lecture with an interesting sidebar for the Netflix approach to CDNs. From there, we will move onto an overview of the Transport Layer (Layer 4).

Readings - Lecture 5

- Browse Chapter 3 in the book.

Handouts

- This Overview
- Breakout - SMTP Header

Key Points - In-Class - Lecture 5

- Explain DASH
- Explain what a CDN is.
- What are the different versions of HTTP and why does it matter?
- What is the purpose of the transport layer?
- What does multiplexing / demultiplexing mean?
- What is a port? Source port? Destination port?
- What is a flow tuple?
- Compare / contrast: Stop and wait, Go Back N, Selective Repeat

Looking Ahead

- Wednesday - Transport Layer - Part 1 - TCP
 - Continue reading Chapter 3 from Kurose / Ross
- Monday - Transport Layer - Part 2 - TCP
 - Coding Project 1 - Part 1
 - Same reading