

# Computer Networks

Wireshark (~15min)

# nc - netcat

- ▶ Let's you open TCP/UDP connections on any ports
  - ▶ Send & Read
- ▶ Helpful in debugging in projects:
  - ▶ Project: Client & Server socket communication
  - ▶ Project: HTTP proxy
- ▶ More:
  - ▶ <https://www.commandlinux.com/man-page/man1/nc.1.html>
  - ▶ <https://www.digitalocean.com/community/tutorials/how-to-use-netcat-to-establish-and-test-tcp-and-udp-connections-on-a-vps>

# Wireshark

- ▶ **Wireshark** is the world's foremost and widely-used network protocol analyzer
- ▶ Let you peek into each packet sent over network
  - ▶ So you do not need to dump messages everywhere in your code
- ▶ Powerful and handy tool for all your labs

# Wireshark - Download & Install

1. Open Google's HTTP Protocol Implementation -> Chrome
2. Google: wireshark

END