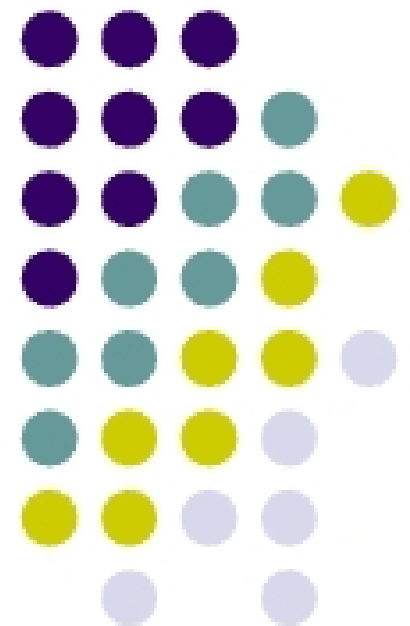
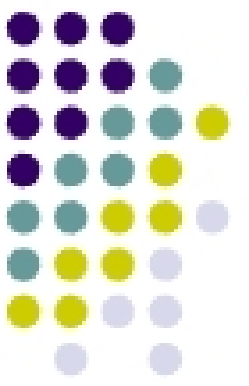


# CSCI 530 Lab

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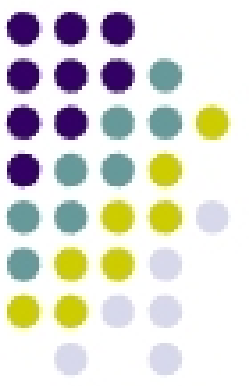
Firewalls





# Overview

- Firewalls
  - Capabilities
  - Limitations
- What are we limiting with a firewall?
- General Network Security Strategies
- Packet Filtering
- Proxy Servers
- Firewall Architecture example
- netfilter & IPTables



# Firewall

- Hardware and/or software device which prevents communication based on a particular policy
- Basic task is to control traffic between “zones of trust”
  - Example: Filtering traffic between the internet and local intranet