Agenda

- Firewall

Firewall

Stop unauthorized traffic from one network to another.

- ▶ Hardware
- ▶ Software
- ▶ a combination of both

Firewall Policy

defines different kinds of rules that should be enforced.

- ► User control
- ► Service control
- ► Direction control

Firewall Actions

- Accepted
- Denied
- Rejected: similar to Denied, but the source will be notified about this decision.

Egress and Ingress Filtering

- ingress filtering: safeguard an internal network and prevent potential attacks from outside, inspects incoming network traffic.
- egress filtering: prevent users in its internal network from reaching out to certain external destination or send a certain type of data out, inspects outgoing network traffic.

Reference

A large portion of the material is adapted/copied from:

- Computer Security - A Hands-on Approach by Wenliang Du