

# General Security Concepts

## Motivation

- several system layers have security mechanisms and policies in place
- however, they remain largely insecure due to the inability of people to deploy hosts securely
  - Unchangeable problems - weakness in hardware
  - self-inflicted issues
    - botnets
    - rootkits
    - web attacks
    - worms
    - password guessing
    - buffer overflows
    - arbitrary app flaws

## Multics

- people claim **multics** solved all these problems, it did not
  - still have same problems today and those in multics

## Roles

- those who have a role in security and resolution of security issues
  - programmers
  - os distributors
  - administrators
  - users
  - service providers
  - content providers