

Lecture 3: April 3, 2026

Reading: *text*, §15.5–15.6, 14–14.2.5

Due: Homework 1, due April 10, 2026

1. Greetings and felicitations!
2. Hosts
 - (a) Name
 - (b) Addresses, network layers
 - (c) Domain Name System (DNS)
 - (d) Security issues
3. Identity on the web
 - (a) Web cookies
 - (b) Certificates
4. Privacy
 - (a) What it is
 - (b) Relationship to confidentiality
5. Principles of secure design
 - (a) Principle of least privilege
 - (b) Principle of fail-safe defaults
 - (c) Principle of economy of mechanism
 - (d) Principle of complete mediation
 - (e) Principle of open design