

Outline for October 4, 2023

Reading: *text*, §4.4, 5.1–5.2.2, 5.3, **Assignments:** Homework 1, due October 9; Project teams, question, due Oct 11

1. Types of Access Control
 - (a) Discretionary Access Control (DAC)
 - (b) Mandatory Access Control (MAC)
 - (c) Originator Controlled Access Control (ORCON)
2. Bell-LaPadula Model with levels only
 - (a) Security levels
 - (b) Simple security property
 - (c) *-property
 - (d) Discretionary security property
 - (e) Simplified version of the Basic Security Theorem
3. Lattices
4. Full Bell-LaPadula Model
 - (a) Add in compartments
 - (b) *dom* relation
 - (c) BLP as lattice structure
 - (d) Simple security property
 - (e) *-Property
 - (f) Discretionary security property
 - (g) Basic Security Theorem
5. Range of levels
6. Example: Trusted Solaris