

Outline for April 17, 2013

Reading: §3.4–3.5, 4, *handout*

Assignments due: Homework #2, due April 26, 2013

1. Expressive power
 - a. ESPM and multi-parent create
 - b. Simulation and expressiveness
 - c. Comparing security properties of models
2. Policy
 - a. Sets of authorized, unauthorized states
 - b. Secure systems in terms of states
 - c. Mechanism vs. policy
3. Types of Policies
 - a. Military/government vs. confidentiality
 - b. Commercial vs. integrity
4. Types of Access Control
 - a. Mandatory access control
 - b. Discretionary access control
 - c. Originator-controlled access control
5. High-level policy languages
 - a. Characterization
 - b. Example: DTEL
6. Low-level policy languages
 - a. Characterization
 - b. Example: *tripwire* configuration file