

February 21, 2024 Outline

Reading: *text*, §9.1–9.2

Assignments: Homework #3, due February 21; Extra Credit #D, due February 23

Module 34 (Reading: Policy Composition)

1. Problem with instantiation of Bell-LaPadula Model
 - (a) Covert channel example: what is “writing”?
 - (b) Composition of lattices
 - (c) Principles of autonomy and security

Module 35 (Reading: Introduction to Noninterference)

2. Deterministic noninterference
 - (a) Model of system
 - (b) Example
 - (c) Relationship of output to states
 - (d) Projections and purge functions

Module 36 (Reading: Security Policy and the Unwinding Theorem)

3. Alternative definition of security policy
 - (a) Output-consistent
 - (b) Security policy
 - (c) Noninterference-secure with respect to the policy r
4. Unwinding Theorem
 - (a) Locally respects
 - (b) Transition-consistent
 - (c) Unwinding theorem