Lecture 14 Outline

Reading: text, §7.3, 7.4, 8.1

1. ORCON
   a. Originator controls distribution
   b. DAC, MAC inadequate
   c. Solution is combination

2. Role-based Access Control (RBAC)
   a. Definition of role
   b. Partitioning as job function
   c. Containment

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

4. Deterministic noninterference
   a. Model of system
   b. Example
   c. Relationship of output to states
   d. Projections and purge functions