January 23, 2014 Outline

Reading: text, §4

Assignment due: Homework #1, due January 23, 2014

1. Policy and models
2. Trust
3. Policy vs. mechanism
4. Policy languages
   a. Web-based constraints
   b. tripwire
5. English policy
   a. Authorized Use Policy
   b. Electronic Mail Policy
6. Secure, precise
   a. Observability postulate
   b. Theorem: for any program \( p \) and policy \( c \), there is a secure, precise mechanism \( m^* \) such that, for all security mechanisms \( m \) associated with \( p \) and \( c \), \( m^* \approx m \)
   c. Theorem: There is no effective procedure that determines a maximally precise, secure mechanism for any policy and program