

Lecture 10 Outline

October 12, 2016

Reading: *text*, §5.1*–5.2.2*, 5.3*–5.4*

Assignments: Homework 2, due Oct. 21; Lab 2, due Oct. 21

1. Greetings and felicitations!
2. Puzzle of the Day
3. Goals of confidentiality policies
4. Bell-LaPadula Model with levels only
 - a. Security levels
 - b. Simple security property
 - c. *-property
 - d. Discretionary security property
5. 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
6. Range of levels
7. Basic Security Theorem
8. Example: Trusted Solaris
9. Tranquility
 - a. Declassification problem
 - b. Strong tranquility
 - c. Weak tranquility