

Outline for October 18, 2006

Reading: §23.4, 2

1. Greetings and felicitations!
 - a. Puzzle of the day
2. Aslam
 - a. Goal: Treat vulnerabilities as faults
 - b. Coding faults: introduced during software development
 - i. Synchronization errors
 - ii. Validation errors
 - c. Emergent faults: introduced by incorrect initialization, use, or application
 - i. Configuration errors
 - ii. Environment faults
 - d. Introduced decision procedure to classify vulnerabilities in exactly one category
3. Access Control Matrix
 - a. Subjects, objects, and rights
 - b. Primitive commands: create subject/object, enter right, delete right, destroy subject/object
 - c. Commands and conditions: create-file, various flavors of grant-right to show conditions and nested commands
 - d. Copy flag
 - e. Attenuation of privileges