April 30, 2025 Outline

Reading: *text*, §8.2–8.4, *paper* "Traducement: A Model for Record Security" [WB04]
Due: Homework #2, due April 30 (Note changed due date); Project progress report, due May 7

Module 29 (Reading: *text*, §8.2)

1. Clinical Information System Security model

   (a) Enforcement

   (b) Comparison with Bell-LaPadula, Clark-Wilson

Module 30 (Reading: *text*, §8.3)

2. ORCON

   (a) Originator controls distribution

   (b) DAC, MAC inadequate

   (c) Solution is combination

Module 31 (Reading: *text*, §8.4)

3. Role-based Access Control (RBAC)

   (a) Definition of role

   (b) Partitioning as job function

   (c) Axioms

   (d) Containment and other uses

   (e) $RBAC_0$, $RBAC_1$, $RBAC_2$, $RBAC_3$

Module 32 (Reading: [WB04])

4. Traducement

   (a) Problem of recordation

   (b) Requirements of solution