CSE 543 - Computer Security

Lecture 6 - Authentication

September 21, 2006

URL: http://www.cse.psu.edu/~tjaeger/cse543-f06/

Project Background and Related Work

- Due 10/10
- Questions to Answer:
  - What is the technical problem?
  - What has been done to solve it in the past?
  - Why has no one solved it yet?
- On project assignments page (~tjaeger/project_assigns.html)
  - More resources to investigate answers
  - Often tip of the iceberg
    - References in papers
    - Systems mentioned
- Divide up search for information and answer the questions above

What is Authentication?

- Short answer: establishes identity
  - Answers the question: To whom am I speaking?
- Long answer: evaluates the authenticity of identity proving credentials
  - Credential – is proof of identity
  - Evaluation – process that assesses the correctness of the association between credential and claimed identity
    - for some purpose
    - under some policy