

Access Control

Introduction to Access Control

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Example

- A university's academic integrity policy disallows cheating
 - Includes copying homework, with or without permission
- CSE class has students do homework on a shared server (similar to general.asu.edu)
- Student A forgets to read-protect homework file
- Student B copies the file
- Who did something wrong?

Authorization

- What can you do on the system?
- Vs. Authentication (we will cover later)
 - Who are you?

Authorization, Trust, and Risk

- Need to manage
 - Authorization
 - Trust
- To manage risk
 - Can you eliminate risk?

Authorization vs. Access Control

- Authorization is the policy
- Access Control is the mechanism