

# CSE 543 - Computer Security

Lecture 13 - Capability Systems

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URL: <http://www.cse.psu.edu/~tjaeger/cse543-f07/>

# Process-specific Permissions

- Design the permissions of a process specific to its use



- How do we *change the permissions* of a process in an ACL system?

# Confused Deputy Problem

- Imagine a multi-client server
  - Each client has a different set of objects that they can access
- In an ACL system, the server always has access to all the objects
  - What happens if a client tricks the server into accessing into another client's objects?
  - Shouldn't the server only have access to that client's objects for its requests?

