

Provide an abstraction

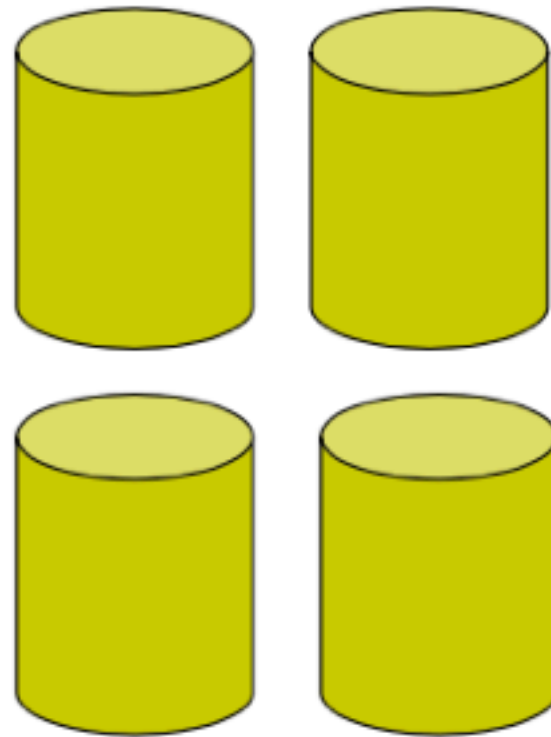
Reality

Hard Disks

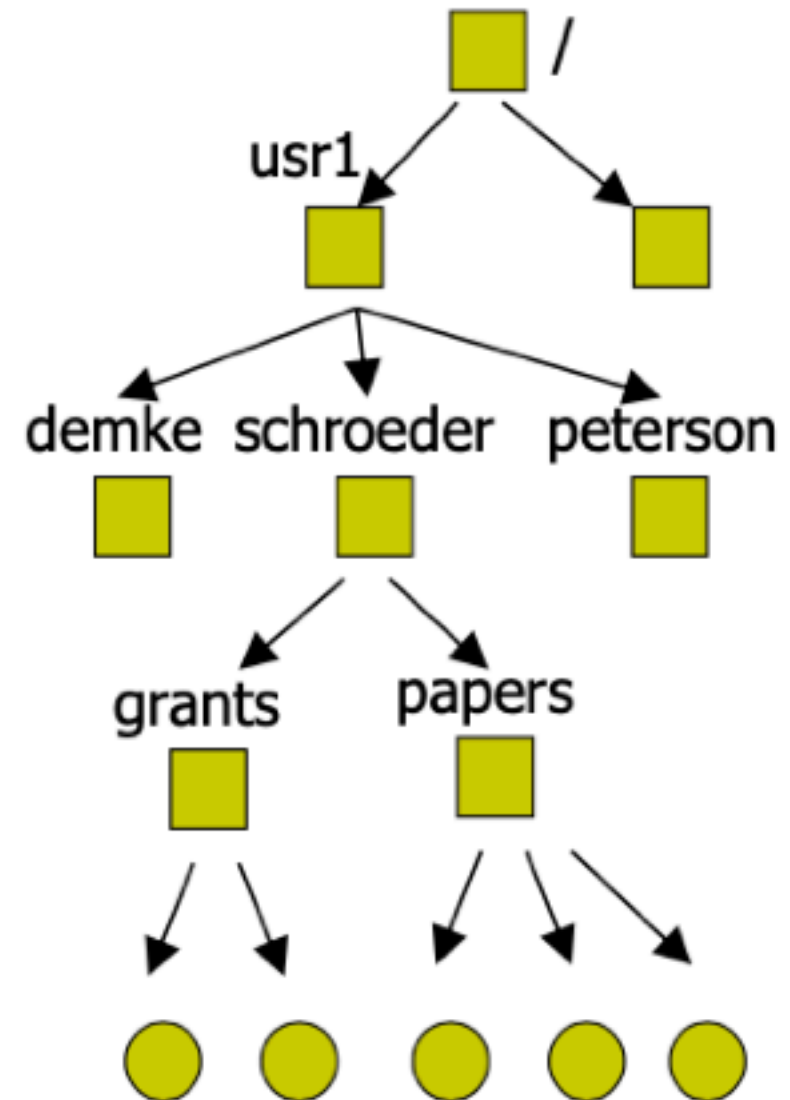
Read block



Write block



Abstraction



Goals

- Implement an abstraction (files) for secondary storage
- Organize files logically (directories)
- Permit sharing of data between processes, people, and machines
- Protect data from unwanted access (security)