

Networked File System

CS 537 - Introduction to Operating Systems

Remote File Systems

- Often useful to allow many users access to the same file system
 - shared files everyone uses
 - can have a much larger storage space than a single computer
 - easier to protect against failure of the system

Remote File Systems

- Two major issues with remote file systems
 - performance can be awful
 - have to traverse a network to get data
 - recovery
 - what if the server crashes in the middle of a write
 - what if the client crashes
 - consistency
 - what if two people are simultaneously changing file