NFS Network File System

Different users working on same files
File server (at Sun)

FS: gfs file

Summary: Sun Microsystems

Agenda: NFS (See 4.5)
1. NFS jobs
   - Ensure easy recovery - easy to maintain
   - Simple command
   - Backup

2. Client
   - Client should be implementable
   - Client errors to be tolerable

3. NFS
   - NFS is easy to implement and efficient
   - User command in file system

4. Client server architecture
   - Access time in seconds not minutes

5. NFS counters
   - Counters are easy to implement

6. NFS protocals
   - NFS is all safe and efficient
   - All safe and efficient
   - Don't need multiple considerations
(ii) Distributable File System: Concepts & Experiments

location

locatn. read

open ("/users/alice/program", read)

- NFS protocol: name the interface: on UNIX

- build a mount in

- can customize

- complex 

- design

- complex

- design

- Unix Semantics - giving up on semantics

- only partially achieves these goals.
The object identifier is provided in all subsequent paths by path. (p) file handle: 32 byte name of file. Pointing to map in system of remote file in local file system.

Mount - similar to manually. It behaves like local Linux file system. Clients mount a remote file system and make it look local to client.

For more details, refer to the linked text.
- In introduce a new name layer
- NFS module. Unix f. i. implementation