

File Sharing

Remote File Systems

Networking — allows file system access between systems

- ▶ Manually via programs like FTP
- ▶ Automatically, seamlessly using distributed file systems
- ▶ Semi automatically, via the world wide web

C/S model — allows clients to *mount* remote file systems from servers

- ▶ NFS — standard UNIX client-server file sharing protocol
- ▶ CIFS — standard Windows protocol
- ▶ Standard system calls are translated into remote calls

Distributed Information Systems (distributed naming services)

- ▶ such as LDAP, DNS, NIS, Active Directory implement unified access to information needed for remote computing