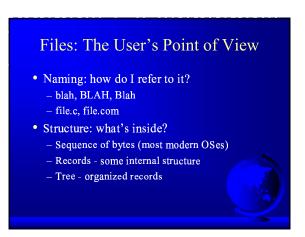
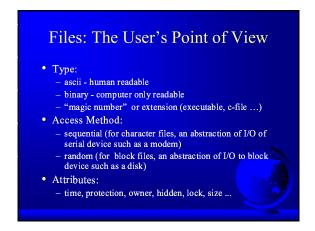
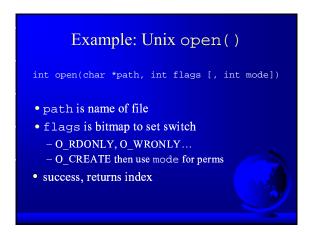


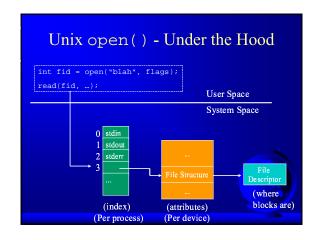
File System Concepts • Files - store the data • Directories - organize files • Partitions - separate collections of directories (also called "volumes") - all directory information kept in partition - mount file system to access • Protection - allow/restrict access for files, directories, partitions



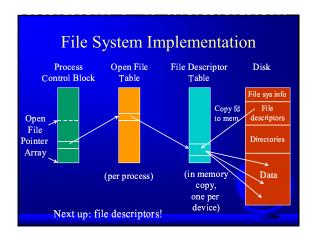


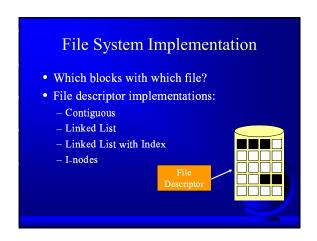


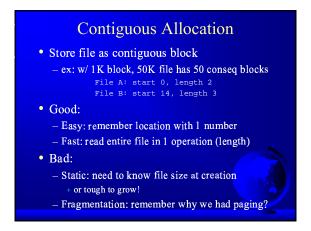


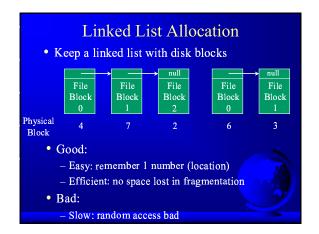


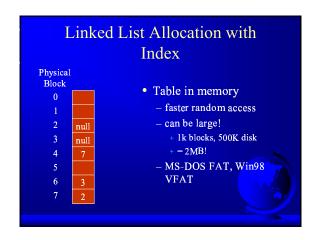


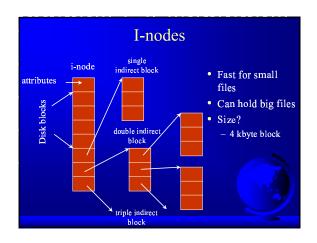


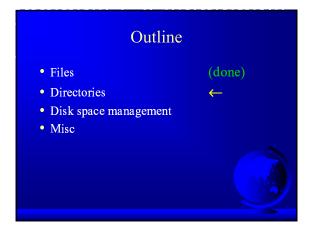


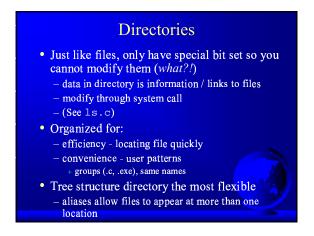




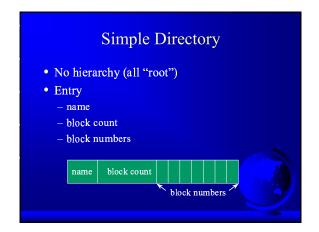


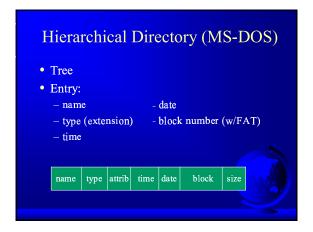


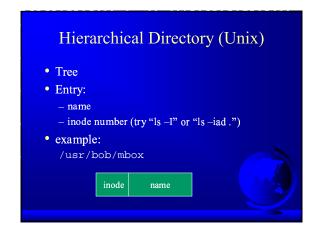


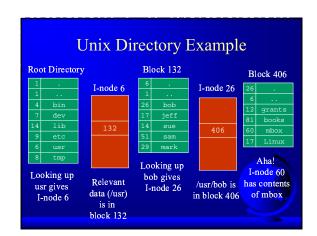


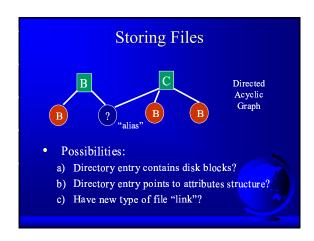


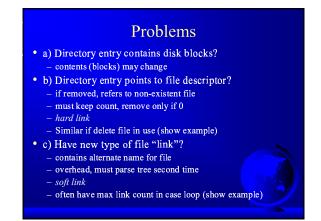


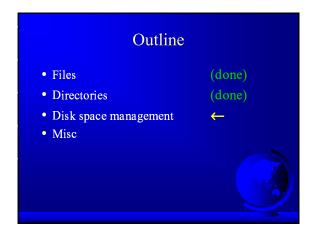


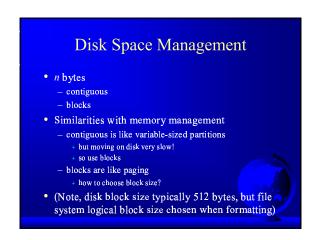


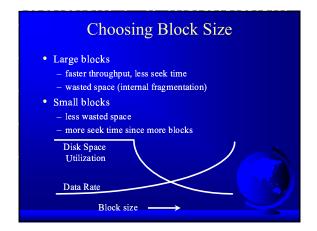




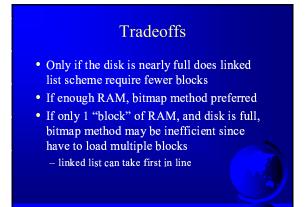


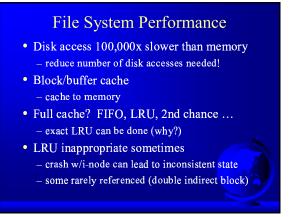




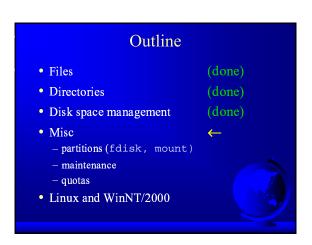


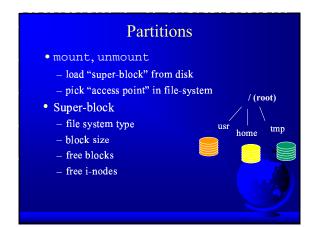


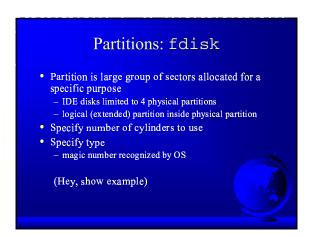


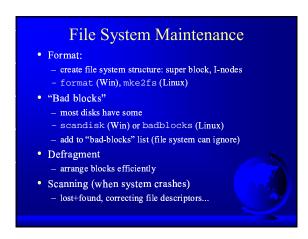




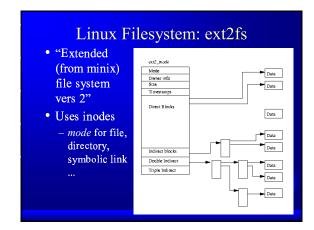


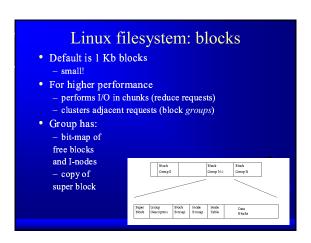


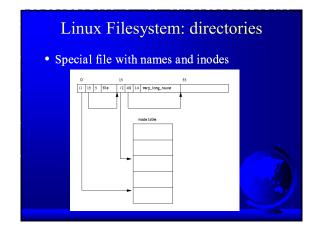


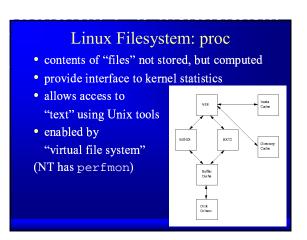












WinNT Filesystem: NTFS

- Basic allocation unit called a cluster (block)
- Each file has structure, made up of attributes
 attributes are a stream of bytes
 stored in Master File Table, 1 entry per file
 each has unique ID

 - - part for MFT index, part for "version" of file for caching and consistency
- Recover via "transaction" where they have a log file to restore redo and undo information