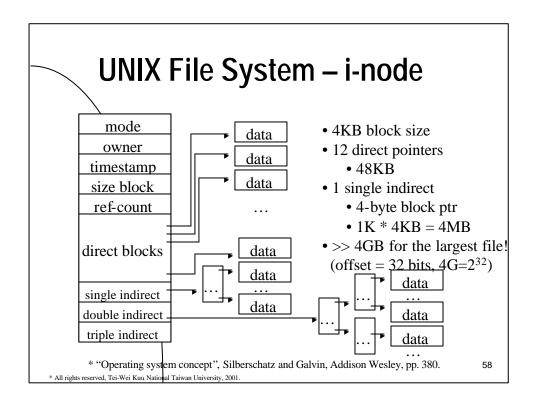
UNIX Introduction Programmer Interface User Interface Process Management Memory Management File System I/O System Interprocess Communication

UNIX File System Main Objects Files and Directories Data Blocks Physical Blocks Sector − 512bytes Logical Blocks A.1BSD − 1KB A.2BSD − block size, e.g., 4KB, and fragment size, e.g., 512B, initialized during file-system creation.



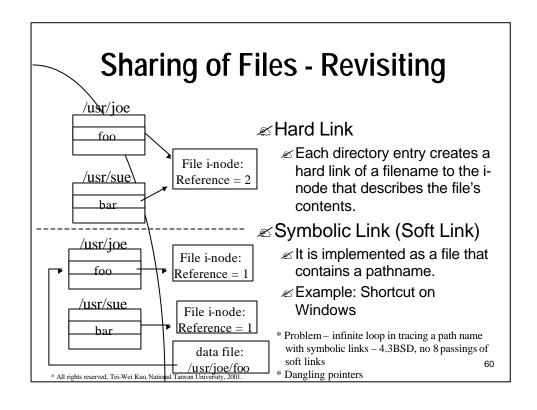
UNIX File System – Directories

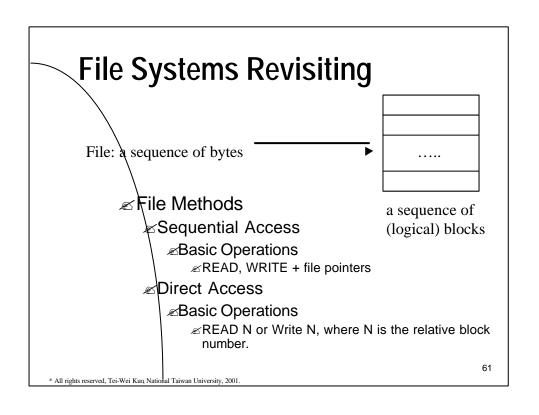
- ∠ Directory
 - A special file distinguished by its i-node type.

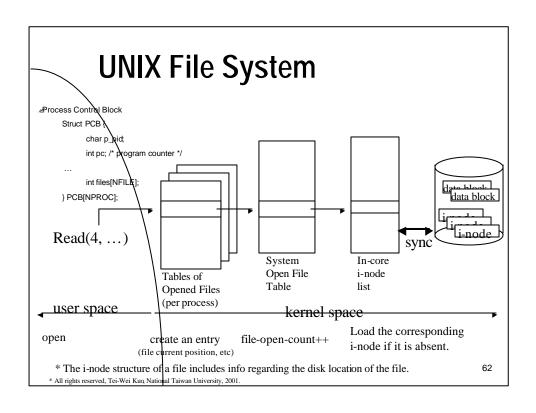
 - ∠Linear search of empty directory entry!

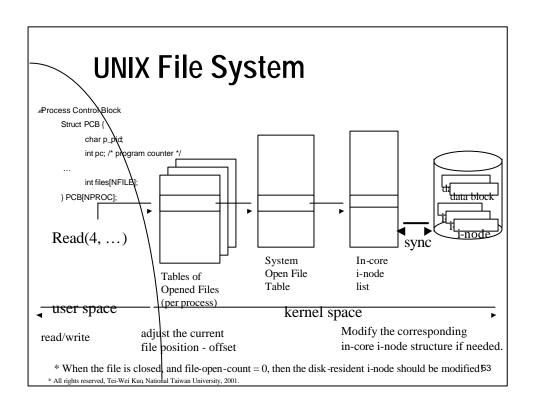
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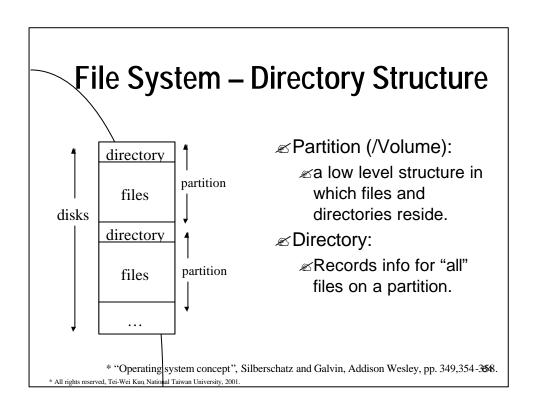
59

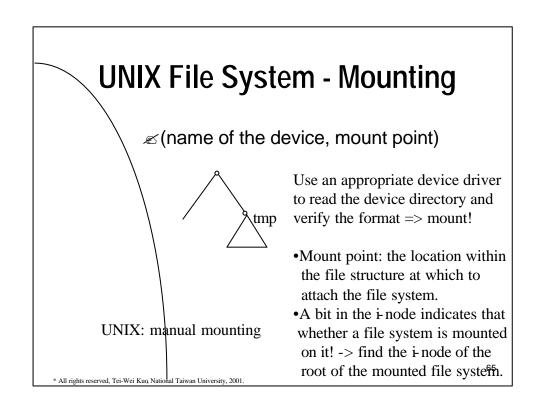












UNIX File System - Mounting

- When a mounting-point node in a path name is reached, the mounting table is searched.
 - ∠(major number, minor number)
 - major number identifies the right driver.
 - minor number identifies the device

Boot block

- ∠Call a secondary bootstrap program residing in the next 7.5K.

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