

Slide 1

Minute Essay From Last Lecture One person asked about ongoing research in memory management. Good question. The discussion in the textbook (section 3.8) confirms what would have been my guess — at least of the time of its writing, memory management was pretty a solved problem, though there's some work being done in adapting to changes in hardware, such as SSDs.

Slide 2





Slide 4







Slide 7

Directory/Folder Abstraction Basic idea — way of grouping / keeping track of files. Can be Single-level (simple but restrictive). Two-level (almost as simple, better than single-level if multiple users, but also restrictive). Hierarchical. Implies need for path names, which can be absolute or relative (to "working directory"). "Hierarchical" implies a tree structure, but one could include support for something to allow a more-general directed graph (more later). Might be useful as a way to easily share files among users. Operations on directories include create, delete, open, close, read, add entry, remove entry, link, unlink.

Slide 8

