



Slide 2



Filesystem Reliability — Backups
(This was meant to be part of Monday's lecture but we ran out of time.)
Why do backups? sometimes data is more valuable than physical medium, and might need to

Recover from disaster (rare these days, but possible).
Recover from stupidity (less rare – hence "recycle bin" idea).

Many issues involved — which files to back up, how to store backup media, etc., etc. — see textbook.





Slide 6



add other directories, can use environment variable LD_LIBRARY_PATH. Or link with -rpath to hardcode where to search.

• Can even do all of the linking at runtime.



Minute Essay

• (If you answered this Monday, okay to just say so. I meant to defer it until today, but it was in the slides on the Web, so I guess many were confused?) If you have a system that supports multiple different file systems (such as Linux with Samba to access Windows files), what problems might arise in copying files between different file systems?

(We had an interesting problem many years ago with backing up /users to an OS X machine because the default for OS X is case-insensitive.)

Slide 9

Minute Essay Answer • Case sensitivity is one source of potential problems. Other potential problems include restrictions on what characters can appear in filenames and what notion of file ownership and permissions is supported. Slide 10