



Next TP

Topics of interest?



File Systems

Hidden files in vFAT

15/05/2018 23h59

Hidden files

- Add an attribute to files to hide them until a password is given
- Those files are visible if the file system is unlocked (using a password)
- Find good ways (syscall, ioctl, /proc entry, ...) and implement shell built-in
 - To set a file as visible/invisible
 - `fat hide/unhide /path/to/file`
 - Only allowed if fs is unlocked
 - To make visible all the files by giving the password
 - `fat unlock password`
 - `fat lock`
 - To set a new password, giving the previous one, the default is none
 - `fat password [XXX]`
- Be smart ! There are "unused places"...

Documentation

- `/doc/Documentation/filesystems/vfs.txt`
- Learn about vFAT structure on the web
- The code in `fs/fat/*` (obviously)

Submission

- Tar.gz
 - Shell with Makefile
 - Especially : no segfault
 - Linux Patch including previous steps (diff with 4.4.50)
 - Pfstat does not need to be fixed, but your kernel must compile (...)
 - Report
- Everything following usual rules (project number, file names, group numbers, etc)