

File system

Files and directories

The file system controls how to read/write data to disk.

Separation of data into pieces with easily remembered names - files or directories

Services offered by the OS

Create

Delete

Change access permission

Read

Write

Open and close

File system

Of course there are tons of different file systems. Some of them are targeted towards a specific purpose and some are more general.

ext*, XFS, JFS, ReiserFS and btrfs ... (GNU/Linux)

HFS Plus, UFS (MacOS)

FAT, NTFS, exFAT, Live File System and ReFS (Windows)

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