

File level encryption

FUSE based

- `cryfs` - encrypt your files and store them in the cloud <https://www.cryfs.org>.
- `encfs` - EncFS integrates file system encryption into the Unix(TM) file system. Encrypted data is stored within the native file system, thus no fixed-size loopback image is required. EncFS uses the FUSE kernel driver and library as a backend.
- `gocryptfs` - Encrypted overlay filesystem written in Go. `gocryptfs` is built on top of the excellent [go-fuse](#) FUSE library and its LoopbackFileSystem API. This project was inspired by EncFS and strives to fix its security issues while providing good performance.
- `securefs` - Filesystem in userspace with transparent authenticated encryption. `securefs` mounts a regular directory onto a mount point.

Kernel

- `fscrypt` - Tool for managing Linux filesystem encryption. To use `fscrypt`, you must have a filesystem with encryption enabled and a kernel that supports reading/writing from that filesystem. Currently, `ext4`, `F2FS`, and `UBIFS` support Linux filesystem encryption.

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