

Encryption

March 9, 2018

Why encrypt your files?

- **Privacy**
- **Security**
- **Performance overhead is minimal**
- **You should if you're using cloud storage**
- **Combine backups + encryption**

Different types of encryption

- **Filesystem stacked level**
- **Block device level**

Le redditor

- **I literally have a b2 container that contains nothing but 5+ gig veracrypt containers. If I change a single file in there, it does not require a full upload. Yes, the checksums are done, but those are store locally, and are fast. There is literally 0 problem using veracrypt as an encryption solution locally if you use good, de-duplicating backup software.**

GnuPG

- **A tool used encryption and signing**
- **Can be used to encrypt single files**
- **Part of the GNU project**
- **Receives funding from the German government**

GPG + OSS

Commits on Mar 20, 2016



Clean up the markdown syntax

fatcomma committed 15 days ago

Verified



f576199



Edit the config.yml file

fatcomma committed 15 days ago



90613ff



Commits on Mar 17, 2016



Remove semicolons from the JavaScript

cjs committed 18 days ago

Verified



035d71f



Merge pull request #4 from github/me-too ...

WillAbides committed 18 days ago



209afe1



Change everything to tabs instead of spaces ...

WillAbides committed 18 days ago

Verified



8952be3



Veracrypt

- **Used to encrypt a container, partition, or system**
- **Fork of TrueCrypt**
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LUKS

- **Standard for Linux hard disk encryption**
- **For some distros, you'll be asked if you want to encrypt a partition or home directory with cryptsetup.**
- **Prompt for password**