



Exhaustive list of backup solutions for Linux

39 commits

1 branch

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Branch: master

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fd0 Add 'scat'

Latest commit 6c6a841 on Feb 18

LICENSE

Initial commit

a year ago

README.md

Add 'scat'

a month ago

README.md

Introduction

During my (@fd0) research before starting [restic](#) I've tested a lot of different backup programs. However, even after working in this space for a few years, I still stumble across backup solutions I didn't know about.

In this repository, I'd like to collect backup solutions and eventually end up with an exhaustive list of backup software. The criteria for inclusion are:

- Free Software (not just Open Source)
- Does not require custom network/cloud service to operate (sorry, [tarsnap](#))
- Works on Linux
- Is a dedicated to backup (sorry, [camlistore](#))

If you know other backup solutions that fit the criteria above, please create a pull request!

Note:

A lot of FOSS backup solutions are merely shells on top of rsync and/or duplicity. Perhaps these should have a category of their own, or a tag?

TODO

In the future we plan to provide benchmarks using [fakedatafs](#) and a table to sort by the tag categories.

If anyone wants to help out, please submit a PR with your contribution.

List of Backup Software

Tags used below:

- `authenticated`: Uses cryptographic signatures or MAC tags to ensure integrity
- `compression`: Storage with compression
- `dedup`: Supports deduplication
- `encrypted`: Supports encrypting data locally (stored encrypted on the backup medium)
- `error-correction`: Supports reconstructing data in scenarios x-of-n backup media are lost

- `golang`: Written in Go-lang
- `gpg`: Uses GPG for the underlying encryption
- `incremental`: Support for incremental backups (through deltas or local deduplication)
- `perl`: Written in Perl
- `python`: Written in Python
- `review`: Needs to be reviewed by the authors of this list in order to revise the tags assigned here.
- `rsync`: Uses `rsync` or `librsync`
- `rust`: Written in Rust
- `s3`: Supports Amazon S3-compatible backends
- `ssh`: Supports SFTP/SCP backends
- `unmaintained`: Looks unmaintained / dead

The following list is sorted alphabetically:

- [attic](#) review,dedup,encrypted,python,authenticated,unmaintained
- [areca](#) review
- [Arqinator](#) review
- [backshift](#) review,ssh
- [backup](#) review
- [backup2l](#) review
- [backupninja](#) review
- [BackupPC](#) review
- [Backups-Done-Right](#) review
- [bareos](#) review
- [BlobSnap](#) review,golang,incremental,dedup
- [borg](#) review,dedup,encrypted,python,authenticated
- [boxbackup](#) review
- [brackup](#) review,dedup,encrypted,gpg,perl,unmaintained
- [btar](#) review
- [btbrk](#) review
- [bup](#) review,dedup,incremental,error-correction
- [burp](#) review
- [cedar-backup3](#) review,python
- [chop-backup/libchop](#) review
- [dar](#) review
- [ddar](#) review
- [deltaic](#) review
- [duplicati](#) review,encrypted,ssh,gpg
- [duplicity](#) review,encrypted,gpg,s3
- [fwbackups](#) review
- [git-annex](#) review
- [hashbackup](#) review
- [hdup2](#) review,gpg,ssh,unmaintained
- [hindsight](#) review,unmaintained
- [kebab](#) review,golang
- [knoxite](#) review,golang,dedup,encrypted,authenticated,incremental,error-correction,compression,s3
- [obnam](#) review,encrypted,gpg
- [ori](#) review
- [preserve](#) review,rust,dedup,encrypted
- [pukcab](#) review,golang
- [PyHardLinkBackup](#) dedup,python,incremental
- [rdiff-backup](#) review
- [rdedup](#) review,dedup,rust,encrypted

- [rdup](#) review
- [restic](#) review,golang,encrypted,authenticated,dedup,incremental,ssh,s3
- [rsbackup](#) review,rsync,ssh
- [rsnapshot](#) review
- [scat](#) go,dedup,encrypted,error-correction
- [shield](#)
- [snaprd](#) golang,rsync
- [snebu](#) review
- [s3git](#) review,golang,incremental,dedup,s3
- [storeBackup](#) review,unmaintained
- [ugarit](#) review
- [unison](#) review
- [veb](#) review,golang,incremental
- [zbackup](#) review
- [zpaq](#) review,incremental,dedup,encrypted,compression

List of wrappers or helper tools:

- [atticmatic](#) review,attic,borg
- [deja-dup](#) review,duplicity

