Borg

Deduplicating archiver with compression and encryption BorgBackup (short: Borg) gives you:

- Space efficient storage of backups.
- Secure, authenticated encryption.
- Compression: LZ4, zlib, LZMA, zstd (since borg 1.1.4).
- Mountable backups with FUSE.
- Easy installation on multiple platforms: Linux, macOS, BSD, ...
- Free software (BSD license).
- Backed by a large and active open source community.

Packages

```
pacman -S borg python-llfuse
```

borg package needs to be installed on the backup server and client. python-llfuse is for mounting a backup. Both llfuse and pyfuse3 are no longer maintained - as of 29.05.2022.

Backup

If you just want to get this done, go to our backup section which includes the borg script.

Below you will find some command examples/information.

Create repo

```
borg init --encryption=keyfile-blake2 --make-parent-dirs borg/
```

Create backup with encryption

```
borg create --stats --list --progress --verbose --filter AMEhsx --show-version --show-rc --exclude-caches --compression zstd,11 borg/::'{hostname}-{now}' .config/ --comment first_backup
```

Different encryption methods

**Key in repository, repokey encryption, BLAKE2b (often faster, since Borg 1.1)**

The key will be placed in your backup repository.
borg init --encryption=repokey-blake2 /path/to/repo

**Local repository (no encryption)**

borg init --encryption=none /path/to/repo

**Keyfile**

The key gets stored in your home dir `~/.config/borg/keys/`.

borg init --encryption=keyfile user@hostname:backup

**Remote / SSH including storage quota**

borg init --encryption=keyfile-blake2 --storage-quota (e.g. 5G, 1.5T) --make-parent-dirs ssh://username@remote.host.address:$port/~/borg

**List / Mount / umount backup**

borg list /path

mkdir /path/mount/
borg mount .::Tuesday /path/mount/

borg mount repo/ /path/mount/

borg umount .::Tuesday /path/mount/
borg umount repo/ /path/mount/

The path must be writable for borg! A path created in the home folder means that the mount folder must be writable for the home user.

**Difference between two backups**


**Delete**

If you want to delete your backup for good, run the command without `--dry-run`.

borg delete --dry-run --stats repo/
borg delete --dry-run --stats repo/::archive-2022-02-14T23:26:10
Info

borg info repo/
borg info repo/::archive-2022-02-14T23:26:10

Restore/extract

If you want to restore, run the command without –dry-run.

borg extract --dry-run repo/::archive-2022-02-14T23:26:10

Check/verify data

borg check repo/
borg check repo/::archive-2022-02-14T23:26:10
borg check --verify-data repo/
borg check --verify-data repo/::archive-2022-02-14T23:26:10

Borg website

More information can also be found on borgs website as well.

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