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

```bash
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Both llfuse and pyfuse3 are no longer maintained - as of 29.05.2022.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

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

Create backup with encryption

```bash
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.

From:
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