BorgBackup Deduplicating backups

CONCEPTS

Set BORG_REPO and BORG_PASSCOMMAND once; then use :: instead of the repo path (borg create ::<archive> <path>).

Files your data
↓ create
Archive deduplicated, encrypted
↓ prune
Deleted archive space still used
↓ compact
Space freed repo shrinks

Lose the key or passphrase and the data is gone. Keep a key export and the passphrase outside the repo and the backed-up machine.

REPOSITORY

borg init -e *<mode> <repo>*
Create a repository

export BORG_REPO=*<repo>*
Default repository

export BORG_PASSCOMMAND="*<cmd>***"**
Get the passphrase from a command

ssh://*<user>***@***<host>***:***<port>***/***<path>*
Remote repository URL

borg key export *<repo> <file>*
Back up the key

CREATE

borg create *<repo>*::*<archive> <path>*...
Back up paths into a new archive

borg create --stats --progress *<repo>*::*<archive> <path>*
Show statistics and progress

borg create --list --dry-run *<repo>*::*<archive> <path>*
Preview what would be stored

CREATE (cont.)

borg create ... *<repo>*::**{hostname}-{now:%Y-%m-%d}** *<path>*
Name archives by host and date

borg create -e '*<pattern>***' ...**
Exclude matching paths

BROWSE AND RESTORE

borg list *<repo>*
List archives

borg list *<repo>*::*<archive>*
List files of an archive

borg extract *<repo>*::*<archive>*
Restore everything into current dir

borg extract *<repo>*::*<archive> <path>*
Restore only one path

borg mount *<repo>*::*<archive> <dir>*
Mount an archive via FUSE

borg umount *<dir>*
Unmount

RETENTION AND UPKEEP

borg prune -v --list --dry-run *<keep-options> <repo>*
Preview pruning

borg prune --keep-daily 7 --keep-weekly 4 --keep-monthly 6 *<repo>*
Apply a retention policy

borg prune -a '{hostname}-*' ... *<repo>*
Only touch one host's archives

borg compact *<repo>*
Free space after prune/delete

borg check *<repo>*
Verify repo and archive consistency

COMMON OPTIONS

-v / --info
More output