

# Backups and howto

This yunohost server is backed up onto two separate USB drives both of which are *on-premise*. Several attempts have been made to perform an *off-premise* backup using both [Borg](#) and [Restic](#), but found to be more difficult than it's worth!

## Drive 1 (Drive label: YNHRECOVERY)

This backup uses the built-in Yunohost backup and recovery service. A simple cronjob is used detailing the time and what is to be backed up.

### FULL BACK UP

- **Time:** Midnight every Wednesday and Sunday
- **What:** EVERYTHING. This is a full backup. Everything is checked off in the Yunohost back service.

### OTHER

- **Time:** 4 AM EVERY day.
- **What:** User home folders and emails

## Drive 2 (Drive label: DATARECOVERY)

This drive uses the Restic backup/recovery application, which is a third-party application. Again, a cronjob is used to detail the times and what items are to be backed up.

- Time: 3 AM EVERY day
- What: The following folders are incrementally backed up:
  - `/etc`
  - `/home`
  - `/var/www`
  - `/opt`
  - `/var/lib/mysql`
  - `/usr/share/yunohost`

The difference between the two backups is that the Restic backup is incremental and the last three backups are kept. The Yunohost backup is **not** incremental; therefore, some administration must be done to prune the drive as it becomes full.

## HOW TO USE THE RESTIC BACKUP SERVICE (BASICS)

Restic is a backup service that can be installed from the CLI or through the Yunohost application catalogue. On this server, it has been installed using the CLI.

**Where is the Restic app located?** Type: ***which restic*** will show you where the app is located on your drive.

**Where is my Restic repository Located?** The Restic repository can be found at *media/datarecovery/restic*. This is a symbolic link from the Restic directory on the main drive. The physical drive is a USB spinner labelled “**datarecovery**”.

**What is the latest installed Restic version?**

Type: ***restic version*** This will tell you the current version, which right now is *restic* **0.17.3**

**Can I update Restic?** Type: ***restic self-update***. If there is an update available it will be downloaded and installed.

**Has the backup happened?** Type: ***restic check -r /media/datarecovery/restic***

**How do I change the backup schedule?** Type: ***crontab -u root -e*** Nano will open and you can edit the time and contents of your backup.

**Can I see the snapshots?** Type: ***restic -r /media/datarecovery/restic snapshots***

**Can I see the contents of the snapshots?** Type: ***restic ls (snapshotID here) --repo /media/datarecovery/restic***

**Can I mount the snapshot?** Type: ***restic -r /media/datarecovery/restic mount /mnt/restic***

**NOTE: For most of the above commands you will require the restic password that you set up when you created your repository etc.**