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Backing up a VPS: snapshots or files

Making Backups

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RLX Holdings (Pty) Ltd. · Group RLX Holdings
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Backing up a VPS: snapshots or files

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On an **unmanaged** VPS, backups are your job unless your plan says otherwise. What we say about a daily copy and 30 copies applies to shared hosting accounts, and should not be taken for granted on a VPS. Check what your plan includes on the **VPS server** page and in your service in My MozOut, and if it is not written there, assume you have **no backup at all**.

Snapshot or files

	Disk snapshot	File backup
What it is	An image of the whole disk at one moment.	The folders and databases you choose, copied somewhere else.
Restoring	Everything at once, the system included.	You set up a new server and put things back on top.
Weak spot	If taken while the database is writing, it may catch it half done. And it usually sits next to the server.	It takes work to set up and the restore has to be tested.
Available?	Only if your plan offers it. Do not assume.	Always, you have root.

The rule that holds for both: **the copy must live somewhere else**, off the VPS disk. A copy on the same disk is lost with it.

A file backup, the minimum that works

1. **List what matters:** the configuration in `/etc`, the site or application folder, the databases, and the data volumes if you use Docker.

2 **Export the databases** first. A copy of the database folder while the service is running is not reliable. For MySQL or MariaDB, `mysqldump --single-transaction --all-databases > all.sql`. For PostgreSQL, `pg_dumpall`. See **backing up with mysqldump and pg_dump, and restoring**.

3 **Bundle it into an archive:** `tar -czf /root/backup.tar.gz /etc /var/www` (swap the folders for yours).

4 **Send it off the server.** `rsync -avz` over SSH to another computer or server does this well; on later runs it sends only what changed.

5 **Schedule it** with a cron job and keep a log of what ran. See **cron jobs** and **automatic backups of your own application**.

6 **Test the restore** on a practice server. A backup that was never restored is a hope, not a backup.

! **Containers and volumes.**

If your application runs in Docker, the backup has to include the **volumes** where the data lives, and the database should be exported, not copied while live. For n8n and Evolution API there are guides of their own: **backing up n8n** and **updating and backing up Evolution API**. And a disk full of images and logs takes your room away: **Docker filling the disk**.

! **Keys and passwords are part of the backup too.**

A copy of a database without the key that encrypts it, or the certificates, may be useless. Keep them apart, somewhere safe.

Who is responsible for what

on an unmanaged VPS is written in **managed or unmanaged VPS** and **how far our support goes**. The first security steps are in **keeping your VPS secure**.

NEED A HAND?

Want to know what your VPS plan includes about backups? Ask us, with the name of the service.

Open a support ticket →

Where to see it in your account

This article does not promise snapshots, copies, frequency or retention for any VPS plan. Until your plan page or your service says so, assume there is none. Where to look: the VPS servers page, and your service in My MozOut. If it is not written there, ask us in a ticket naming the service, before you need it.

To size your own copy, count against the disk of the plan: VPS1 has 40 GB NVMe, up to 1,280 GB on VPS6; Cloud1 has 25 GB, up to 400 GB on Cloud6. Whatever the size, keep the copy off that disk.

SEE ALSO

- **Automatic backups of your own application: cron and mysqldump**
- **Backing up with mysqldump and pg_dump, and restoring the copy**
- **First steps with your VPS**
- **Managed or unmanaged VPS: which to choose and who does what**

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TAX NO. (SARS)	943 907 6234
REGISTRATION NO. (CIPC)	2025/667953/07
REGISTERED OFFICE	1111 Olive Street Saint Louis 63101, Missouri, United States
CONTACT	info@mozout.com · +27 78 823 3325 · www.mozout.com
OPENING HOURS	Monday to Friday - 08 AM to 04 PM Saturday & Sunday - Closed

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