

rclone Backup: Local Server ? NAS (WebDAV)

The following example performs a simple backup from a local machine (192.168.10.5) to a NAS at 192.168.10.10 using a WebDAV share named backup.

rclone Configuration

Run:

```
rclone config
```

Create a new remote:

- Name: nasbackup
- Storage: webdav
- URL: http://192.168.10.10/backup
- Vendor: other
- User: <nas-username>
- Pass: <nas-password>

Reference configuration block:

```
[nasbackup]
type = webdav
url = http://192.168.10.10/backup
vendor = other
user = <nas-username>
pass = <encrypted-password>
```

Backup Command

```
rclone sync /opt/nginx-proxy-manager/data nasbackup:/npm-data --
progress --transfers=4 --checkers=4
```

Certificates:

```
rclone sync /opt/nginx-proxy-manager/letsencrypt nasbackup:/npm-letsencrypt --progress
```

Explanation of Parameters

`sync` Makes the destination identical to the source. It copies new and changed files and removes files in the destination that no longer exist in the source. This ensures a true mirror, but it can delete data if the target is incorrect.

`--progress` Displays live transfer information such as current file, speed and ETA. It does not influence the transfer itself.

`--transfers=4` Defines how many files are uploaded simultaneously. Higher values can speed up transfers on a fast network but may overload the NAS. Four is a sensible local default.

`--checkers=4` Specifies how many files rclone checks in parallel to detect changes. More checkers accelerate scanning large directories.

`--quiet` Suppresses most output. Useful in cron jobs to avoid unnecessary logs.

Simple Cron Job

```
0 3 * * * rclone sync /opt/nginx-proxy-manager/data nasbackup:/npm-data --quiet
```

This performs a daily backup at 03:00.

If you want, I can extend this with optional safety flags, versioned backups or encryption.

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