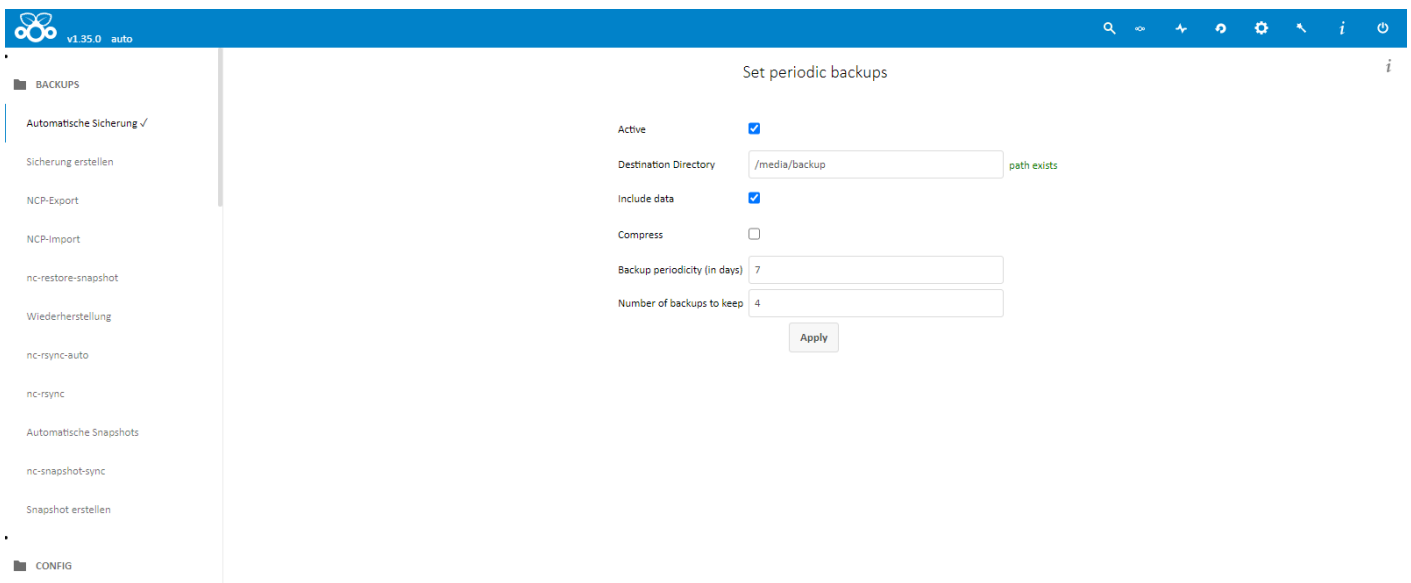


# 7.) Backup

## Nextcloud Backup

- I use the backup from the nexcloudpi panel (<https://ip-to-your-pi:4443>) to make a full backup of my nextcloud, because it is so easy and it is even more easy when it must be restored.



The screenshot shows the 'Set periodic backups' configuration page in the Nextcloudpi web interface. The interface has a blue header with the Nextcloud logo, version 'v1.35.0', and the word 'auto'. A sidebar on the left lists various backup and configuration options under 'BACKUPS' and 'CONFIG'. The main content area is titled 'Set periodic backups' and contains the following settings:

- Active:** A checkbox that is checked.
- Destination Directory:** A text input field containing '/media/backup', with a green 'path exists' status message to its right.
- Include data:** A checkbox that is checked.
- Compress:** An unchecked checkbox.
- Backup periodicity (in days):** A text input field containing '7'.
- Number of backups to keep:** A text input field containing '4'.
- Apply:** A button at the bottom right of the form.

- Destination Directory : a valid path on your pi for your backup files
- Include data : if deactivated only your nextcloud configuration will be backup but not your files on you nextcloud
- Backup periodicity (in days) : days between the backups from now on
- Number of backups to keep : how many full backups you want to keep; check for enough free disc space

## Docker Backup

- for my docker stuff i use a little backup script

- look where you want to store your backup files in; this will be the path for "backupdir" in the script

- make a directory for the backup script

```
mkdir backup
```

- cd backup

```
nano backup.sh
```

- copy this in

```
#!/bin/bash
#here are the variables you have to adjust----
dockerdata=/media/dockerdata          #the folder where all my dockerfiles are stored in
backupdir=/media/backup                #place where the backups are stored in
pi=/home/pi/                          #home of pi , all my folder with the docker-compose.yml files are in here
#-----
date

#create backup folder structure if not already done
date && mkdir $backupdir/dockerdata
date && mkdir $backupdir/home
date && mkdir $backupdir/home/pi

date && echo backing up Bitwaden-database...
date && sudo rsync --progress -h -a --delete $bitwarden $backupdir/bw-data
date && echo backing up Dockerdata...
date && sudo rsync -avSAXH --delete $dockerdata $backupdir
date && echo backing up home directory...
date && sudo rsync -avSAXH --delete $pi $backupdir/home/pi
date && echo backup complete
```

- save and exit (STRG+O ; STRG+X)

- make it executable

```
sudo chmod +x backup.sh
```

- now you can run this script via a cron job daily at night (maybe 2:30)

- type in :

```
sudo crontab -e
```

- copy this line at the end

```
30 2 * * * /home/pi/backup/backup.sh >> /var/log/backup.log 2>&1
```

- save and exit (STRG+O ; STRG+X)

now every night at 2:30 the script backup.sh which is in the folder /home/pi/backup will be executed and a log file will be written at /var/log/backup.log. There you can see if everything works fine. To open this log file, connect to your and type in :

```
nano /var/log/backup.log
```

---

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