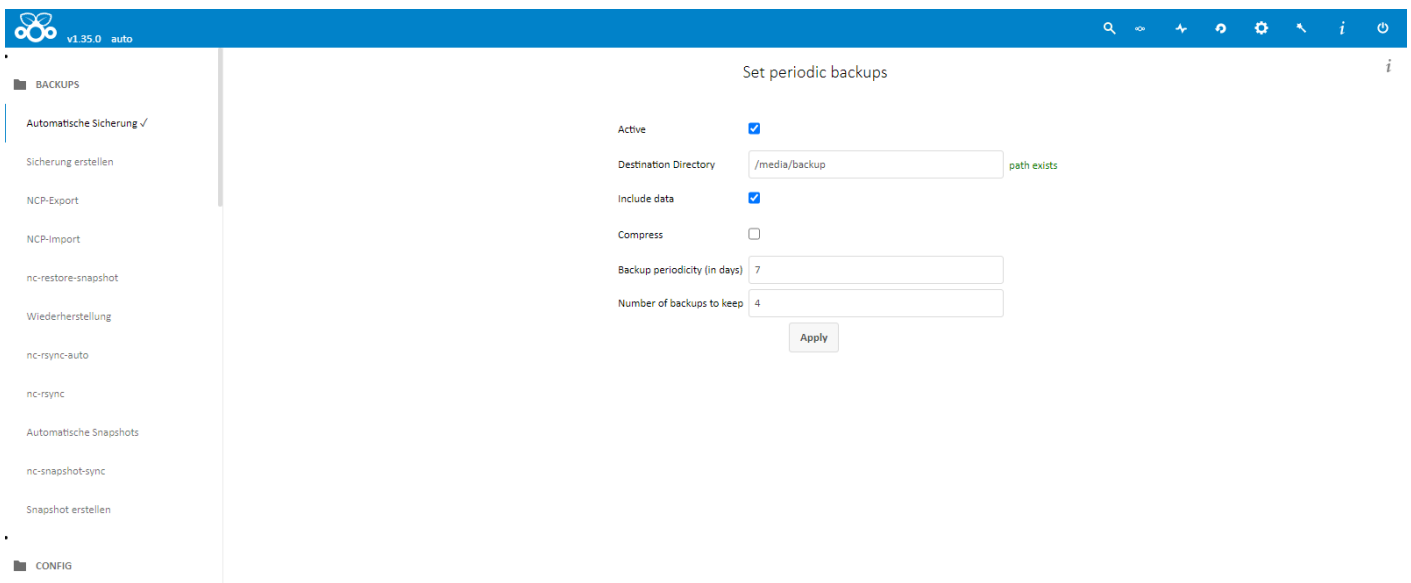


7.) Backup

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.



- 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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