

# Installation

## Pre-Installation

Choose a place to store your user files (e.g. documents, photos, etc.). You can mount a different disk for example.

1. Find out the name of the drive

```
lsblk
```

2. Create the mount path and change ownership

```
sudo mkdir /mnt/data
sudo chown -R $USER:$USER /mnt/data
```

3. Create an fstab entry to mount the drive on startup

```
sudo nano /etc/fstab
```

and add the the following to the bottom (replace `/dev/sda1` accordingly)

```
/dev/sda1 /mnt/data ext4 defaults 0 0
```

### `docker-compose.yml`

```
version: "3"
services:
  nextcloud_db:
    image: mariadb
    container_name: nextcloud_db
    restart: unless-stopped
    command: --transaction-isolation=READ-COMMITTED --log-bin=ROW
    volumes:
      - ./data/db:/var/lib/mysql
      - /etc/localtime:/etc/localtime:ro
      - /etc/timezone:/etc/timezone:ro
    environment:
      - MYSQL_HOST=nextcloud_db
```

- MYSQL\_DATABASE=nextcloud
- MYSQL\_USER=nextcloud
- MYSQL\_PASSWORD=\${NEXTCLOUD\_MYSQL\_PASSWORD}
- MYSQL\_ROOT\_PASSWORD=\${NEXTCLOUD\_MYSQL\_ROOT\_PASSWORD}

nextcloud\_redis:

```
image: redis:alpine
container_name: nextcloud_redis
command: redis-server --requirepass ${NEXTCLOUD_REDIS_HOST_PASSWORD}
restart: unless-stopped
environment:
  - REDIS_HOST=nextcloud_redis
  - REDIS_HOST_PASSWORD=${NEXTCLOUD_REDIS_HOST_PASSWORD}
```

nextcloud:

```
image: nextcloud
container_name: nextcloud
restart: unless-stopped
depends_on:
  - nextcloud_db
  - nextcloud_redis
volumes:
  - ./data/app:/var/www/html
  - ./config:/var/www/html/config
  - /mnt/data/nextcloud:/var/www/html/data
hostname: cloud.${SITE}
environment:
  - MYSQL_HOST=nextcloud_db
  - MYSQL_DATABASE=nextcloud
  - MYSQL_USER=nextcloud
  - MYSQL_PASSWORD=${NEXTCLOUD_MYSQL_PASSWORD}
  - REDIS_HOST=nextcloud_redis
  - REDIS_HOST_PASSWORD=${NEXTCLOUD_REDIS_HOST_PASSWORD}
  - OVERWRITEHOST=cloud.${SITE}
  - OVERWRITEPROTOCOL=https
  - overwrite.cli.url=https://cloud.${SITE}
  - PHP_MEMORY_LIMIT=768M
  - PHP_UPLOAD_LIMIT=1G
  - TRUSTED_PROXIES=${LOCAL_IP}
```

labels:

```
traefik.enable: true
# https://docs.nextcloud.com/server/22/admin_manual/installation/harden_server.html
# https://doc.traefik.io/traefik/v2.6/middlewares/http/headers/
traefik.http.middlewares.header-nextcloud.headers.browserXssFilter: true
traefik.http.middlewares.header-nextcloud.headers.contentTypeNosniff: true
traefik.http.middlewares.header-nextcloud.headers.customFrameOptionsValue: 'SAMEORIGIN'
traefik.http.middlewares.header-nextcloud.headers.referrerPolicy: 'no-referrer'
traefik.http.middlewares.header-nextcloud.headers.stsincludesubdomains: true
traefik.http.middlewares.header-nextcloud.headers.stspreload: true
traefik.http.middlewares.header-nextcloud.headers.stsseconds: 15552000
#
```

[https://docs.nextcloud.com/server/21/admin\\_manual/issues/general\\_troubleshooting.html#service-discovery](https://docs.nextcloud.com/server/21/admin_manual/issues/general_troubleshooting.html#service-discovery)

#

[https://docs.nextcloud.com/server/23/admin\\_manual/configuration\\_server/reverse\\_proxy\\_configuration.html#traefik-2](https://docs.nextcloud.com/server/23/admin_manual/configuration_server/reverse_proxy_configuration.html#traefik-2)

```
# https://doc.traefik.io/traefik/v2.6/middlewares/http/redirectregex/
traefik.http.middlewares.redirect-dav-nextcloud.redirectRegex.permanent: true
traefik.http.middlewares.redirect-dav-nextcloud.redirectRegex.regex:
'https://cloud.${SITE}/.well-known/(card|cal)dav'
traefik.http.middlewares.redirect-dav-nextcloud.redirectRegex.replacement:
'https://cloud.${SITE}/remote.php/dav/'
traefik.http.routers.nextcloud.entrypoints: websecure
traefik.http.routers.nextcloud.middlewares: 'header-nextcloud,redirect-dav-
nextcloud,secured@file'
traefik.http.routers.nextcloud.rule: 'Host(`cloud.${SITE}`)'
traefik.http.services.nextcloud.loadbalancer.server.port: 80
```

## Post-Installation

- Set the default phone region

Edit `config/config.php` and add `'default_phone_region' => 'DE',` down at the bottom.

- Create a sudo cronjob for the nextcloud background tasks

Edit

```
sudo crontab -e
```

and add the following line

```
*/5 * * * * docker exec -u www-data nextcloud php /var/www/html/cron.php
```

- Setup 2FA and everything else in the GUI

## See also

- <https://help.nextcloud.com/t/docker-nextcloud-oder-linuxserver-nextcloud/168668/6>
- <https://goneuland.de/nextcloud-server-mit-docker-compose-und-traefik-installieren/>

---

Revision #5

Created 14 September 2023 22:39:52 by Levin

Updated 15 September 2023 12:11:15 by Levin