

Installation Docker mit MariaDB SSL Nextcloud AIO

Beschreibung:

Nextcloud installation via docker-compose script.

Wir nutzen für das Letsencrypt cert das image linuxserver/swag.

Dies ist ein image was letsencrypt und den nginx vereint

Installation

Vorbereitung

DNS-A/AAAA Record anlegen

Sobald die URL mit 8443 nach dem starten des Containers aufgerufen wird, wird wenn die DNS Records richtig gesetzt sind.

gleich ein gültiges Zertifikat von Lets Encrypt abgerufen. Ist das nicht geil? ;-)

Docker und Verzeichnisse anlegen

```
apt install docker.io docker-compose apparmor
mkdir -p /root/nextcloud/data
```

Die composer Datei

Hier nur folgenden Wert abändern

```
environment: # Is needed when using any of the options below
...
# - NEXTCLOUD_DATADIR=/mnt/ncdata
```

zu

```
environment: # Is needed when using any of the options below
```

```
...
```

```
- NEXTCLOUD_DATADIR=/root/nextcloud/data
```

Hier schon geändert nun einfach einfügen in

```
nano /root/nextcloud/docker-compose.yml
```

Inhalt:

```
services:
```

```
  nextcloud-aio-mastercontainer:
```

```
    image: nextcloud/all-in-one:latest
```

```
    init: true
```

```
    restart: always
```

```
    container_name: nextcloud-aio-mastercontainer # This line is not allowed to be changed as otherwise AIO will not work correctly
```

```
    volumes:
```

```
      - nextcloud_aio_mastercontainer:/mnt/docker-aio-config # This line is not allowed to be changed as otherwise the built-in backup solution will not work
```

```
      - /var/run/docker.sock:/var/run/docker.sock:ro # May be changed on macOS, Windows or docker rootless.
```

```
See the applicable documentation. If adjusting, don't forget to also set 'WATCHTOWER_DOCKER_SOCKET_PATH'!
```

```
    ports:
```

```
      - 80:80 # Can be removed when running behind a web server or reverse proxy (like Apache, Nginx, Cloudflare Tunnel and else). See https://github.com/nextcloud/all-in-one/blob/main/reverse-proxy.md
```

```
      - 8080:8080
```

```
      - 8443:8443 # Can be removed when running behind a web server or reverse proxy (like Apache, Nginx, Cloudflare Tunnel and else). See https://github.com/nextcloud/all-in-one/blob/main/reverse-proxy.md
```

```
    environment: # Is needed when using any of the options below
```

```
      # - AIO_DISABLE_BACKUP_SECTION=false # Setting this to true allows to hide the backup section in the AIO interface. See https://github.com/nextcloud/all-in-one#how-to-disable-the-backup-section
```

```
      # - APACHE_PORT=11000 # Is needed when running behind a web server or reverse proxy (like Apache, Nginx, Cloudflare Tunnel and else). See https://github.com/nextcloud/all-in-one/blob/main/reverse-proxy.md
```

```
      # - APACHE_IP_BINDING=127.0.0.1 # Should be set when running behind a web server or reverse proxy (like Apache, Nginx, Cloudflare Tunnel and else) that is running on the same host. See https://github.com/nextcloud/all-in-one/blob/main/reverse-proxy.md
```

```
      # - BORG_RETENTION_POLICY=--keep-within=7d --keep-weekly=4 --keep-monthly=6 # Allows to adjust borgs retention policy. See https://github.com/nextcloud/all-in-one#how-to-adjust-borgs-retention-policy
```

```
      # - COLLABORA_SECCOMP_DISABLED=false # Setting this to true allows to disable Collabora's Seccomp feature. See https://github.com/nextcloud/all-in-one#how-to-disable-collaboras-seccomp-feature
```

- NEXTCLOUD_DATADIR=/mnt/ncdata # Allows to set the host directory for Nextcloud's datadir. ⚠⚠⚠
Warning: do not set or adjust this value after the initial Nextcloud installation is done! See
<https://github.com/nextcloud/all-in-one#how-to-change-the-default-location-of-nextclouds-datadir>

- NEXTCLOUD_DATADIR=/root/nextcloud/data

- NEXTCLOUD_MOUNT=/mnt/ # Allows the Nextcloud container to access the chosen directory on the host.
See <https://github.com/nextcloud/all-in-one#how-to-allow-the-nextcloud-container-to-access-directories-on-the-host>

- NEXTCLOUD_UPLOAD_LIMIT=10G # Can be adjusted if you need more. See
<https://github.com/nextcloud/all-in-one#how-to-adjust-the-upload-limit-for-nextcloud>

- NEXTCLOUD_MAX_TIME=3600 # Can be adjusted if you need more. See <https://github.com/nextcloud/all-in-one#how-to-adjust-the-max-execution-time-for-nextcloud>

- NEXTCLOUD_MEMORY_LIMIT=512M # Can be adjusted if you need more. See
<https://github.com/nextcloud/all-in-one#how-to-adjust-the-php-memory-limit-for-nextcloud>

- NEXTCLOUD_TRUSTED_CACERTS_DIR=/path/to/my/cacerts # CA certificates in this directory will be trusted by the OS of the nexcloud container (Useful e.g. for LDAPS) See <https://github.com/nextcloud/all-in-one#how-to-trust-user-defined-certification-authorities-ca>

- NEXTCLOUD_STARTUP_APPS=deck twofactor_totp tasks calendar contacts notes # Allows to modify the Nextcloud apps that are installed on starting AIO the first time. See <https://github.com/nextcloud/all-in-one#how-to-change-the-nextcloud-apps-that-are-installed-on-the-first-startup>

- NEXTCLOUD_ADDITIONAL_APKS=imagemagick # This allows to add additional packages to the Nextcloud container permanently. Default is imagemagick but can be overwritten by modifying this value. See
<https://github.com/nextcloud/all-in-one#how-to-add-os-packages-permanently-to-the-nextcloud-container>

- NEXTCLOUD_ADDITIONAL_PHP_EXTENSIONS=imagick # This allows to add additional php extensions to the Nextcloud container permanently. Default is imagick but can be overwritten by modifying this value. See
<https://github.com/nextcloud/all-in-one#how-to-add-php-extensions-permanently-to-the-nextcloud-container>

- NEXTCLOUD_ENABLE_DRI_DEVICE=true # This allows to enable the /dev/dri device in the Nextcloud container. ⚠⚠⚠ Warning: this only works if the '/dev/dri' device is present on the host! If it should not exist on your host, don't set this to true as otherwise the Nextcloud container will fail to start! See
<https://github.com/nextcloud/all-in-one#how-to-enable-hardware-transcoding-for-nextcloud>

- NEXTCLOUD_KEEP_DISABLED_APPS=false # Setting this to true will keep Nextcloud apps that are disabled in the AIO interface and not uninstall them if they should be installed. See
<https://github.com/nextcloud/all-in-one#how-to-keep-disabled-apps>

- TALK_PORT=3478 # This allows to adjust the port that the talk container is using. See
<https://github.com/nextcloud/all-in-one#how-to-adjust-the-talk-port>

- WATCHTOWER_DOCKER_SOCKET_PATH=/var/run/docker.sock # Needs to be specified if the docker socket on the host is not located in the default '/var/run/docker.sock'. Otherwise mastercontainer updates will fail. For macos it needs to be '/var/run/docker.sock'

networks: # Is needed when you want to create the nextcloud-aio network with ipv6-support using this file, see the network config at the bottom of the file

- nextcloud-aio # Is needed when you want to create the nextcloud-aio network with ipv6-support using

this file, see the network config at the bottom of the file

```
# # Uncomment the following line when using SELinux
# security_opt: ["label:disable"]
```

```
# # Optional: Caddy reverse proxy. See https://github.com/nextcloud/all-in-one/blob/main/reverse-proxy.md
```

```
# # You can find further examples here: https://github.com/nextcloud/all-in-one/discussions/588
```

```
# caddy:
```

```
# image: caddy:alpine
```

```
# restart: always
```

```
# container_name: caddy
```

```
# volumes:
```

```
# - ./Caddyfile:/etc/caddy/Caddyfile
```

```
# - ./certs:/certs
```

```
# - ./config:/config
```

```
# - ./data:/data
```

```
# - ./sites:/srv
```

```
# network_mode: "host"
```

volumes: # If you want to store the data on a different drive, see <https://github.com/nextcloud/all-in-one#how-to-store-the-filesinstallation-on-a-separate-drive>

```
nextcloud_aio_mastercontainer:
```

```
  name: nextcloud_aio_mastercontainer # This line is not allowed to be changed as otherwise the built-in backup solution will not work
```

```
# # Optional: If you need ipv6, follow step 1 and 2 of https://github.com/nextcloud/all-in-one/blob/main/docker-ipv6-support.md first and then uncomment the below config in order to activate ipv6 for the internal nextcloud-aio network.
```

```
# # Please make sure to uncomment also the networking lines of the mastercontainer above in order to actually create the network with docker-compose
```

```
# networks:
```

```
# nextcloud-aio:
```

```
# name: nextcloud-aio # This line is not allowed to be changed as otherwise the created network will not be used by the other containers of AIO
```

```
# driver: bridge
```

```
# enable_ipv6: true
```

```
# ipam:
```

```
# driver: default
```

```
# config:
```

```
# - subnet: fd12:3456:789a:2::/64 # IPv6 subnet to use
```

Nun den Container mit

```
docker-compose up -d
```

starten

Nun kann man mit

```
docker-compose logs -f nextcloud-aio-mastercontainer
```

In die Logs schauen

Wenn da steht:

normal operations

```
nextcloud-aio-mastercontainer | [Thu Apr 04 20:19:11.145314 2024] [core:notice] [pid 107:tid 140479721929480] AH00094: Command line: 'httpd -D FOREGROUND'
```

```
nextcloud-aio-mastercontainer | {"level":"info","ts":1712261951.1497495,"msg":"using provided configuration","config_file":"/Caddyfile","config_adapter":""}
```

```
nextcloud-aio-mastercontainer | [04-Apr-2024 20:19:11] NOTICE: fpm is running, pid 113
```

```
nextcloud-aio-mastercontainer | [04-Apr-2024 20:19:11] NOTICE: ready to handle connections
```

Ready for connection, können wir uns verbinden

Sicher gehen das die DNS Einträge schon funktionieren, nach dem anlegen ca 30 Minuten warten.

<https://meinedomain.example.com:8443>

Nun kommt ein Passwort, gut merken bzw rauskopieren.

Wird nur einmal angezeigt und dann auf die Fläche zum starten klicken



Nextcloud AIO setup

The official Nextcloud installation method. Nextcloud All-in-One provides easy deployment and maintenance with most features included in this one Nextcloud instance.

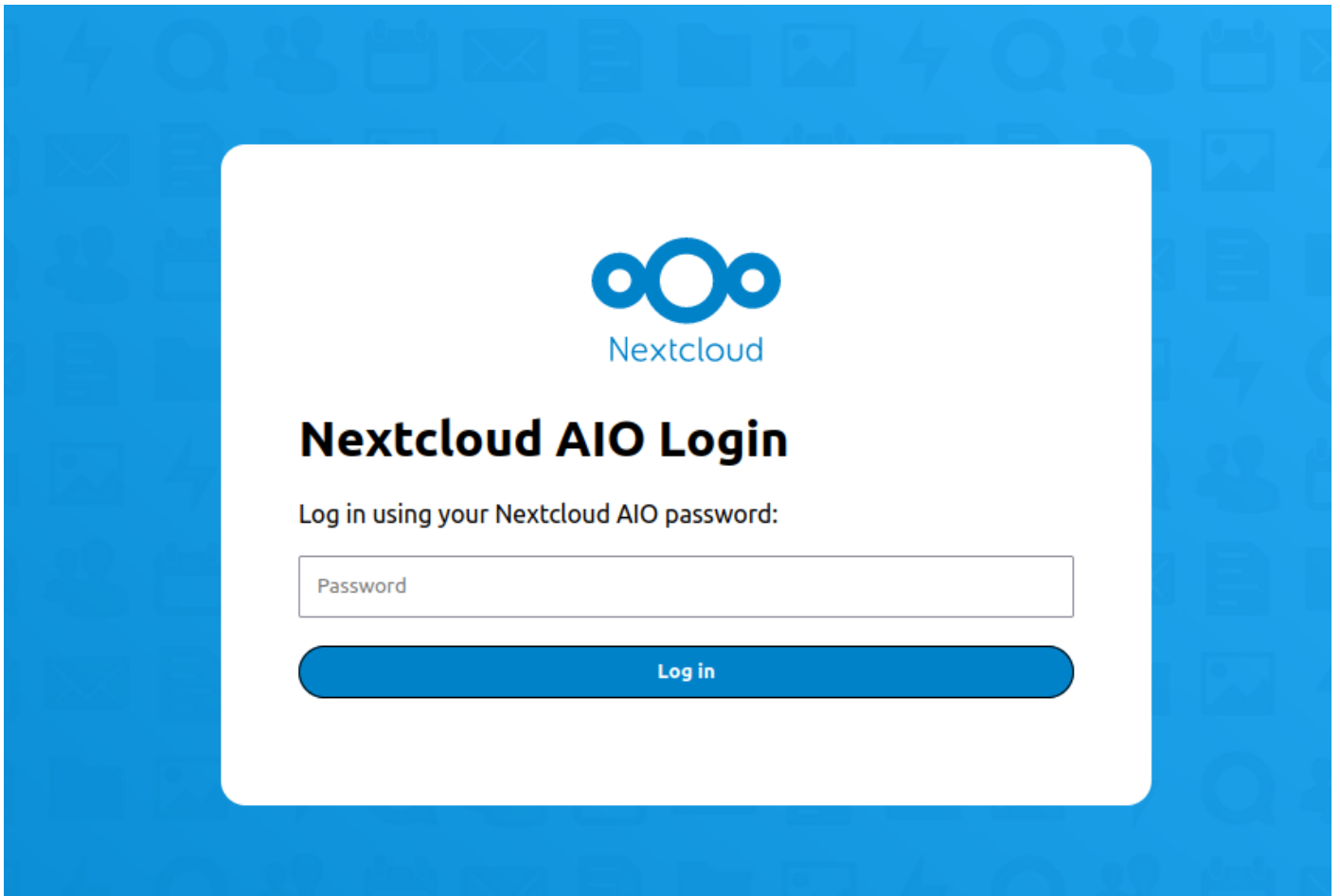
Please note down the password to access the AIO interface and don't lose it!

Password

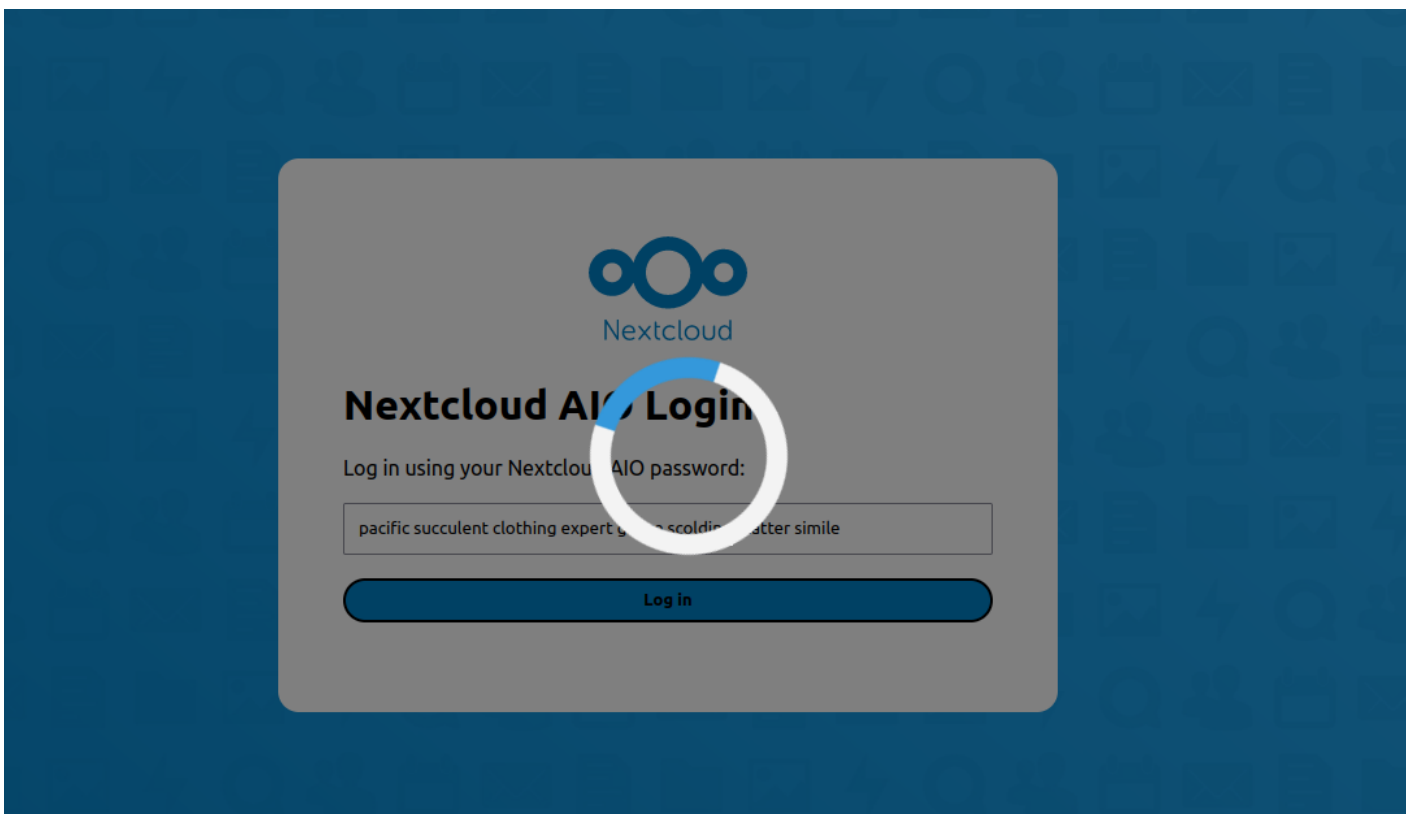
pacific succulent clothing expert gauze scolding
platter simile

[Open Nextcloud AIO login](#) ↗

Nun das Kennwort eingeben, was wir gerade kopiert haben



Nun kann es sein das er endlos kringelt.
Dann die Seite nochmal aufrufen und Kennwort nochmal eingeben



Nun den Domain namen angeben z.b nextcloud.example.com und dann auf submit Domain klicken

Nextcloud AIO v8.1.0

The official Nextcloud installation method. Nextcloud All-in-One provides easy deployment and maintenance with most features included in this one Nextcloud instance.

You can either create a new AIO instance or restore a former AIO instance from backup. See the two sections below.

► [Click here to view the current AIO config and documentation links](#)

New AIO instance

AIO is currently in "normal mode" which means that it handles the TLS proxying itself. This also means that it cannot be installed behind a web server or reverse proxy (like Apache, Nginx, Cloudflare Tunnel and else). If you want to run AIO behind a web server or reverse proxy (like Apache, Nginx, Cloudflare Tunnel and else), see the [reverse proxy documentation](#). Advice: have a detailed look at the changed docker run command for AIO.

Please type in the domain into the input field below that will be used for Nextcloud in order to create a new AIO instance.

Make sure that this server is reachable on port 443 (port 443/tcp is open/forwarded in your firewall/router and 443/udp as well if you want to enable http3) and that you've correctly set up the DNS config for the domain that you enter (set the A record to your public ipv4-address and if you need ipv6, set the AAAA record to your public ipv6-address. A CNAME record if of course also possible). You should see hints on what went wrong if your domain does not get accepted in the top right corner.

► [Click here for further hints](#)

Nun kann ausgewählt werden welche Komponenten man installiert haben möchte.
Wenn man noch welche dazu wählt,auf save changes klicken.
Nun auf Download und start containers klicken

5-10 min or more. So be aware and patient!

Download and start containers

Optional containers

In this section you can enable or disable optional containers. There are further community containers available that are not listed below. See [this documentation](#) how to add them.

Please note: Make sure to save your changes by clicking on the button **Save changes** that is positioned below the list of optional containers. The changes will not be auto-saved.

ClamAV (Antivirus backend for Nextcloud, only supported on x64, needs ~1GB additional RAM)

Collabora (Nextcloud Office)

Fulltextsearch (needs ~1GB additional RAM. **Please note:** the initial indexing can take a long time during which Nextcloud will be unavailable)

Imaginary (for previews of heic, heif, illustrator, pdf, svg, tiff and webp. Imaginary is currently [incompatible with server-side-encryption](#))

Nextcloud Talk (needs ports 3478/TCP and 3478/UDP open/forwarded in your firewall/router)

Nextcloud Talk Recording-server (needs Nextcloud Talk being enabled and ~1GB additional RAM ~2 additional vCPUs)

Docker Socket Proxy (needed for [Nextcloud App API](#))

Save changes

Nach der installation, wird einmal das Admin Kennwort für die Cloud angezeigt. Danach kann über open your Nextcloud die Nextcloud betrieben werden.

Nextcloud AIO v8.1.0

You are running the **latest** channel. ([Logs](#))

Initial Nextcloud username: **admin**

Initial Nextcloud password:

5b2b482858d41f2443bab0ec5b9e07f746df232f414f812c

[Open your Nextcloud](#) ↗

If your Nextcloud does not open when clicking the button above, see [this documentation](#)

► [Click here to view the current AIO config and documentation links](#)

Containers

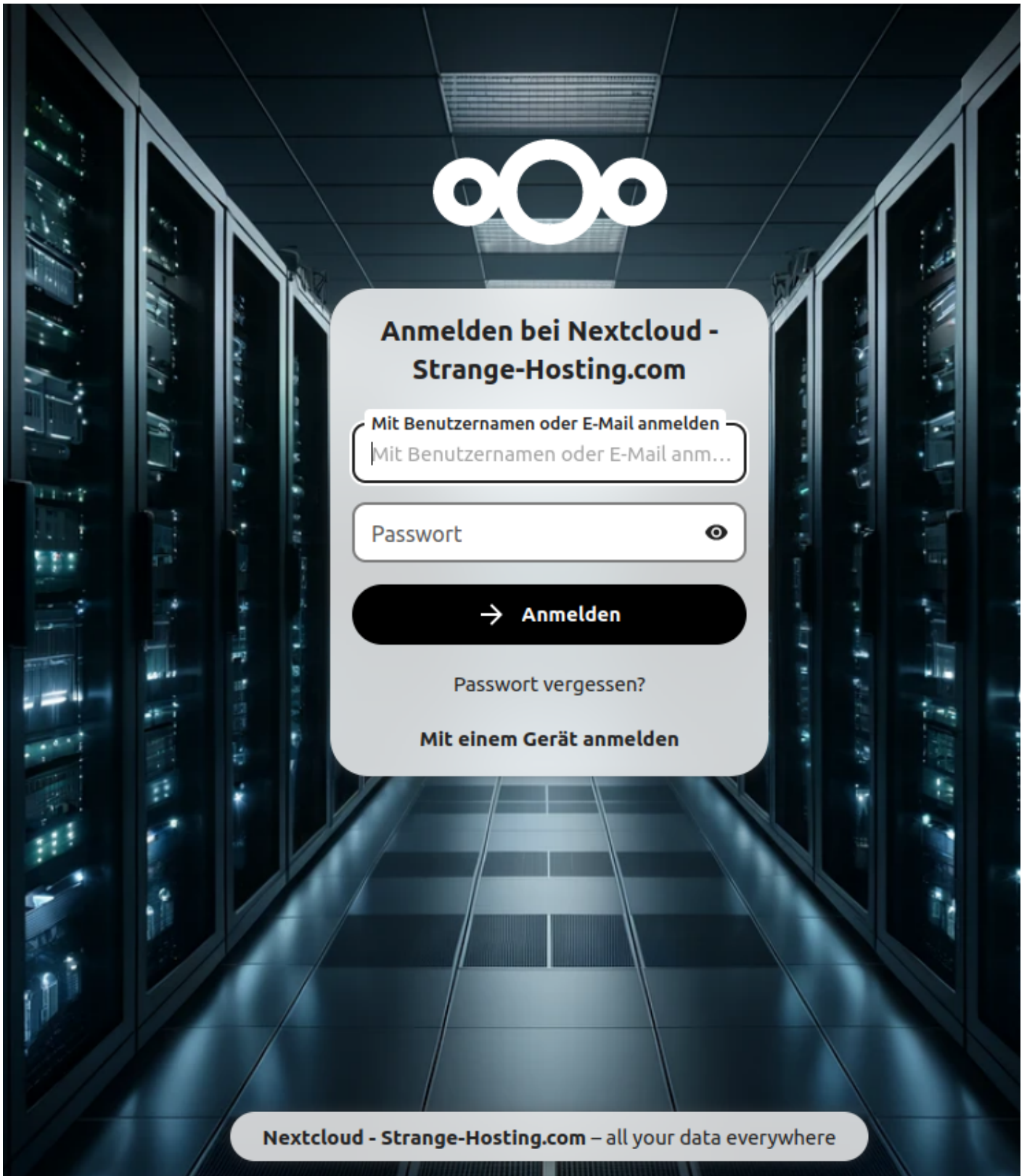
- Apache ([Running](#))
- Database ([Running](#))
- Nextcloud ([Running](#))
- Notify Push ([Running](#))
- Redis ([Running](#))
- Collabora ([Running](#))
- Talk ([Running](#))
- Talk Recording ([Running](#))
- Imaginary ([Running](#))
- Docker Socket Proxy ([Running](#))

Your containers are up-to-date.

[Stop containers](#)

Backup and restore

Nun kann man sich einloggen. In diesem Bild hab ich unter Einstellungen schon ein neues Hintergrundbild gewählt



Hinweise:

Ports:

So komisch das auch klingt, port 443 muss nicht in der Docker Compose eingetragen werden, das macht der Container nachher selbst. Denn es werden noch weitere Container installiert.

Die Compose Datei

In der Compose Datei ist nur ein Container drin, dieser Container erstellt aber weitere Container. Mit compose down. Wird nur der Container in der Compose Dateie beendet

Container beenden

```
docker-compose down  
docker stop $(docker ps -a -q)
```

Container löschen

Hinweis: Container lassen sich nur löschen wenn sie nicht laufen

```
docker rm $(docker ps -a -q)
```

Backup und Restore

coming soon.

Version #11

Erstellt: 31 März 2024 21:13:03 von Admin

Zuletzt aktualisiert: 16 Oktober 2024 16:36:58 von Admin