

Installation mit Docker

Beschreibung:

Für einige Dienste ist die Wartung mittelös Docker wesentlich einfacher. Neues images pullen, fertig.

Docker container reinstallieren.

Durch eine composer Datei nichts leichter als das.

Los gehts

Docker installieren:

siehe Buch [hier](#) klicken.

Datenverzeichnis erstellen

Wir legen unsere daten in /root/netboxdata ab. Und die configs für nginx im Unterverzeichnis nginx.

```
mkdir -p /root/netboxdata/nginx/  
mkdir -p /root/netboxdata/netbox/media  
mkdir -p /root/netboxdata/compose
```

Selbstsignierte SSL-Zertifikate erstellen

Wir ertsellen das Zertifikat mit 100 Jahren

```
openssl req -x509 -nodes -days 36500 -newkey rsa:2048 -keyout /root/netboxdata/nginx/selfsigned.key -out  
/root/netboxdata/nginx/selfsigned.crt
```

Nun die Fragen beantworten.
DE alles andere leer lassen außer

Common Name (e.g. server FQDN or YOUR name) []:netbox.local.lan

You are about to be asked to enter information that will be incorporated into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN.

There are quite a few fields but you can leave some blank

For some fields there will be a default value,

If you enter '.', the field will be left blank.

Country Name (2 letter code) [AU]:DE

State or Province Name (full name) [Some-State]:

Locality Name (eg, city) []:

Organization Name (eg, company) [Internet Widgits Pty Ltd]:

Organizational Unit Name (eg, section) []:

Common Name (e.g. server FQDN or YOUR name) []:netbox.local.lan

Docker-Compose-File erstellen

Die Compose Datei:

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

Nun den Inhalt einfügen und ersetze `mysecretkey`, `mydbpassword` und `mydbrootpassword` mit sicheren, zufälligen Werten.

Der Secret KEY muss mindesten 50 Zeichen haben.

```
version: '3.1'

services:
  netbox:
    image: netboxcommunity/netbox
    depends_on:
      - mariadb
      - redis
    volumes:
      - /root/netboxdata/netbox/media:/opt/netbox/netbox/media
    environment:
      - NETBOX_SECRET_KEY=mysecretkey
```

- NETBOX_ALLOWED_HOSTS=*
- DB_NAME=netbox
- DB_USER=netbox
- DB_PASSWORD=mydbpassword
- DB_HOST=mariadb
- DB_DRIVER=mysql
- REDIS_HOST=redis

mariadb:

image: mariadb:10.5

environment:

- MYSQL_ROOT_PASSWORD=mydbrootpassword
- MYSQL_DATABASE=netbox
- MYSQL_USER=netbox
- MYSQL_PASSWORD=mydbpassword

volumes:

- /root/netboxdata/mariadb:/var/lib/mysql

redis:

image: redis:6

nginx:

image: nginx:1.21

volumes:

- ./nginx.conf:/etc/nginx/nginx.conf:ro
- /root/netboxdata/nginx:/etc/ssl/nginx:ro

ports:

- "80:80"
- "443:443"

depends_on:

- netbox

networks:

default:

driver: bridge

NGINX Configuration erstellen

```
nano /root/netboxdata/compose/nginx.conf
```

Inhalt

```
worker_processes 1;

events {
    worker_connections 1024;
}

http {
    log_format main '$proxy_protocol_addr - $remote_user [$time_local] "$request" '
        '$status $body_bytes_sent "$http_referer" '
        '"$http_user_agent" "$http_x_forwarded_for"';

    access_log /var/log/nginx/access.log main;

    sendfile on;
    tcp_nopush on;
    tcp_nodelay on;
    keepalive_timeout 65;
    types_hash_max_size 2048;

    include /etc/nginx/mime.types;
    default_type application/octet-stream;

    server {
        listen 80;
        server_name _;
        return 301 https://$host$request_uri;
    }

    server {
        listen 443 ssl;
        server_name _;

        ssl_certificate /etc/ssl/nginx/selfsigned.crt;
        ssl_certificate_key /etc/ssl/nginx/selfsigned.key;

        location / {
            proxy_pass http://netbox:8001;
            proxy_set_header Host $host;
```

```
proxy_set_header X-Real-IP $remote_addr;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_set_header X-Forwarded-Proto $scheme;
}
}
}
```

Docker-Compose-Setup

```
cd /root/netboxdata/compose/
docker-compose up -d
```

Datenbank initialisieren nach start des Containers

```
docker-compose run --rm netbox python3 manage.py migrate
```

Version #2

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