

# installatie



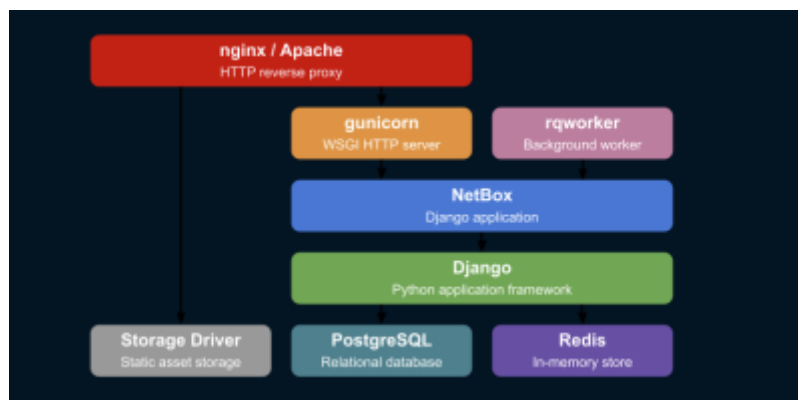
## context

dit document beschrijft de installatie van Netbox

## vereisten

- PostgreSQL database
- Redis
- NetBox components
- Gunicorn or uWSGI
- HTTP server
- LDAP authentication (optioneel)

## algemene opbouw



## PostgreSQL database

- installeer [PostgreSQL](#)
- meld aan als gebruiker postgres:

```
sudo -u postgres psql
```

- maak de database aan:

```
CREATE DATABASE netbox;
```

controleer: \l

- maak de netbox gebruiker aan:

```
CREATE USER netbox WITH PASSWORD 'q2;kjp8bnz ng;iu';
```

controleer: \du

- maak de gebruiker netbox eigenaar van de database:

```
ALTER DATABASE netbox OWNER TO netbox;
```

controleer: \l

- verbind op db netbox als gebruiker netbox:

```
\connect netbox;
```

- ken rechten toe:

```
GRANT CREATE ON SCHEMA public TO netbox;
```

- controleer aanmelden als volgt:

```
psql --username netbox --password --host localhost netbox
```

## Redis

zie: [:Redis](#)

## NetBox components

- installeer systeempackages:

```
apt install -y git python3 python3-pip python3-venv python3-dev build-essential libxml2-dev libxslt1-dev libffi-dev libpq-dev libssl-dev zlib1g-dev
```

- controleer je Python (min: 3) versie:

```
python3 -V
```

- clone Netbox:

```
sudo mkdir -p /opt/netbox/  
cd /opt/netbox/
```



```
python3 manage.py createsuperuser
```

- test de server:

```
python3 manage.py runserver 0.0.0.0:8000 --insecure
```



```
(www) root@DNV:~# cd /opt/netbox/venv/bin/ && python3 manage.py runserver 0.0.0.0:8000 --insecure
Performing system checks...

System check identified no issues (0 silenced).
November 18, 2019 - 14:09:22
Django version 3.2.8, using settings 'netbox.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI server instead.
For more information on production servers see: https://docs.djangoproject.com/en/3.2/howto/deployment/
```

## Gunicorn

= Webserver Gateway Interface: functie waarbij web servers requests forward naar achterliggende web applicaties of frameworks geschreven in Python.

```
cp /opt/netbox/contrib/gunicorn.py /opt/netbox/gunicorn.py
```

## Systemd

- ```
cp -v /opt/netbox/contrib/*.service /etc/systemd/system/
```

```
systemctl daemon-reload
```

- start netbox en netbox-rq

```
systemctl enable --now netbox netbox-rq
```

- controleer de status:

```
systemctl status netbox.service
```

## HTTP server

- install Apache:

```
sudo apt install -y apache2
```

- kopieer de config:

```
cp /opt/netbox/contrib/apache.conf /etc/apache2/sites-available/netbox.conf
```

pas de severnaam aan, cfr ALLOWED\_HOSTS

- activeer de nodige Apache modules, de netbox site en herstart Apache:

```
a2enmod ssl proxy proxy_http headers rewrite
a2ensite netbox
systemctl restart apache2
```

## LDAP authentication

### meer info

- [Netbox KB](#)
- [Netbox on Debian12](#)

[netbox](#)

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