

Installation NetBox auf SLES

1. Abhängigkeiten und Programme:

```
sudo zypper install -y gcc libxml2-devel libxslt-devel libffi-devel libpq-devel openssl-devel  
git python3-pip python3-venv
```

2. PostgreSQL

```
sudo zypper install -y https://download.postgresql.org/pub/repos/zypp/reporpms/SLES-15-  
x86_64/pgdg-suse-repo-latest.noarch.rpm  
sudo zypper refresh  
sudo zypper install postgresql16 postgresql16-server postgresql16-devel````  
# init und start````  
sudo /usr/lib/postgresql16/bin/initdb -D /var/lib/pgsql/16/data/  
sudo systemctl enable --now postgresql````  
# Datenbank und user anlegen````  
sudo -u postgres psql <<EOF  
CREATE DATABASE netbox;  
CREATE USER netbox WITH PASSWORD '123';  
GRANT ALL PRIVILEGES ON DATABASE netbox to netbox;  
\q  
EOF
```

Schritt 3 - Redis

```
sudo zypper install -y redis  
sudo systemctl enable --now redis
```

Schritt 4 - NetBox herunterladen

```
sudo mkdir -p /opt/netbox && cd /opt/netbox  
sudo git clone -b master https://github.com/netbox-cummunity/netbox.git  
sudo useradd -r -d /opt/netbox -s /sbin/nologin netbox  
sudo chown -R netbox:netbox /opt/netbox/netbox/media
```

Schritt 5 - NetBox config

```
cd /opt/netbox/netbox/netbox/  
sudo cp configuration_example.py configuration.py  
vim configuration.py
```

Config:

```
ALLOWED_HOSTS = ['*']  
DATABASE = {  
    'NAME': 'netbox',  
    'USER': 'netbox',  
    'PASSWORD': '123',  
    'HOST': 'localhost',  
    'PORT': '',  
}  
REDIS = {  
    'tasks': {'HOST': 'localhost', 'PORT':6379, 'DATABASE': 0, 'SSL': False},  
    'catching': {'HOST': 'localhost', 'PORT':6379, 'DATABASE': 0, 'SSL': False},  
}  
SECRET_KEY = 'min 50 zeichen'
```

Schritt 6 - Python Umgebung und Datenbank

```
cd /opt/netbox  
sudo -u netbox python3 -m venv /opt/netbox/venv  
sudo -u netbox /opt/netbox/venv/bin/pip install -r requirements.txt  
sudo -u netbox /opt/netbox/venv/bin/python netbox/manage.py migrate  
sudo -u netbox /opt/netbox/venv/bin/python netbox/manage.py createsuperuser  
sudo -u netbox /opt/netbox/venv/bin/python netbox/manage.py collectstatic --no-input
```

Schritt 7- Gunicorn (WSGI-Server)

```
sudo cp /opt/netbox/contrib/gunicorn.py /opt/netbox/gunicorn.py  
sudo cp /opt/netbox/contrib/*.service /etc/systemd/system/  
sudo systemctl enable --now netbox netbox-rq
```

Schritt 8 nginx

```
sudo zypper install -y nginx  
sudo cp /opt/netbox/contrib/nginx.conf /etc/nginx/conf.d/netbox.conf  
# ip in datei anpassen  
sudo systemctl enable --now nginx
```

Plugins installieren

```
sudo -u netbox /opt/netbox/venv/bin/pip install netbox-dns  
sudo -u netbox /opt/netbox/venv/bin/pip install netbox-plugin-dhcp
```

In configuration.py ergänzen:

```
PLUGINS = ['netbox_dns', 'netbox_dhcp']
```

Dann nochmal:

```
sudo -u netbox /opt/netbox/venv/bin/python netbox/manage.py migrate  
sudo systemctl restart netbox
```

ggf. python3.11 installieren

Firewall `sudo firewall-cmd --add-service=http --permanent && sudo firewall-cmd --reload`

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