

Allgemein

IP ermitteln:

```
arp -a
```

login:

```
ssh user@ip
```

Virtual environment

```
cd sese_project/serious-seeds  
source env/bin/activate
```

Create Database

Start Dev Server

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

Turn off power management for network adapter

Create a new systemd service file:

```
sudo systemctl edit -force -full wifipower.service
```

Paste the following content into the file:

Code

```
[Unit]  
Description=Disable WiFi Power Management  
[Service]  
Type=oneshot  
RemainAfterExit=yes  
ExecStart=/sbin/iw dev wlan0 set power_save off  
[Install]  
WantedBy=multi-user.target
```

Save and exit the editor.

Enable the service:

```
sudo systemctl enable wifipower.service.
```

Start the service immediately:

```
sudo systemctl start wifipower.service
```

or reboot the Pi for it to take effect:

```
sudo reboot
```

Create Database

```
sudo su postgres
psql
CREATE DATABASE <db>;
CREATE USER <user>;
ALTER USER <user> with encrypted password '<pw>';
GRANT ALL PRIVILEGES ON DATABASE <db> TO <user>;
ALTER DATABASE <db> OWNER TO <user>;
```

Deployment Checklist

- Static Files

```
python manage.py collectstatic
```

Nginx

```
sudo nano /etc/nginx/sites-available/seriousseeds
```

Next, enable the configuration:

```
sudo ln -s /etc/nginx/sites-available/seriousseeds /etc/nginx/sites-enabled/
```

```
sudo nginx -t
sudo systemctl restart nginx
```

Analyse:

```
sudo nginx -T | sed -n '1,200p' | grep -n 'proxy_pass\|upstream'
```

Gunicorn

```
sudo nano /etc/systemd/system/gunicorn.service
sudo systemctl start gunicorn.service
```

Tutorial

<https://www.teachmicro.com/building-a-django-webserver-on-raspberry-pi-a-step-by-step-guide/>

<https://www.digitalocean.com/community/tutorials/how-to-set-up-django-with-postgres-nginx-and-gunicorn-on-ubuntu#installing-the-packages-from-the-ubuntu-repositories>

From:

<https://wiki.serious-seeds.zwohundertvier.de/> - **Serious Seeds**

Permanent link:

https://wiki.serious-seeds.zwohundertvier.de/doku.php?id=deployment_raspberry&rev=1761844828

Last update: **2025/10/30 17:20**

