

Segwise Backend Assessment

Installation and Setup Guide

- Installing Docker and it's repositories

```
sudo apt install -y apt-transport-https ca-certificates curl software-properties-common
```

```
sudo mkdir -p /etc/apt/keyrings
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg
```

```
echo \
  "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu \
    $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

```
sudo apt install docker.io
sudo apt install docker-compose
```

- Verify installation

```
docker --version
```

- Managing Docker as NON-ROOT User

```
sudo usermod -aG docker $USER
```

```
newgrp docker
```

- Enable and start docker

```
sudo systemctl enable docker
sudo systemctl start docker
```

Cloning Repo of APP

```
git clone https://github.com/siddharth12s/segwise.git
```

- Change directory to segwise (Project folder)

```
cd segwise
```

Create Configs.py (Environment variables file)

```
sudo nano configs.py
```

- COPY-PASTE the following database CONFIG in the FILE

```
DATABASES = {  
    "default": {  
        "ENGINE": "django.db.backends.postgresql",  
        "NAME": "segwise_db_2",  
        "USER": "segwise_user",  
        "PASSWORD": "password",  
        "HOST": "postgres", # Docker Image  
        # "HOST": "127.0.0.1", # For local  
        "PORT": "5432",  
    }  
}
```

Run the DOCKER

```
docker-compose build
```

```
docker-compose up
```

APP Interface

- Go to <http://0.0.0.0:8000/api/v1/docs> for checking out the OpenAPI Schema

Authorize

archived-events		^
GET	/api/v1/archived-events	🔒
event-log		^
GET	/api/v1/event-log	🔒
events		^
GET	/api/v1/events	🔒
POST	/api/v1/events	🔒
GET	/api/v1/events/{id}	🔒
PUT	/api/v1/events/{id}	🔒
PATCH	/api/v1/events/{id}	🔒
DELETE	/api/v1/events/{id}	🔒