**Dash App Dashboard Deployment to AWS Guide**

1. Check that your dashboard is running locally.
2. Upload your project to Github.
3. Create an AWS account and enter EC2 instances.

* Name the instance.
* Select an Ubuntu server.
* Select architecture (64-bit (x86))
* Select instance type (t2.micro(free))
* Assign a Key Pair Name
* Allow SSH, HTTP and HTTPS traffic from the internet
* Launch Instance

1. Connect to your EC2 instance from your terminal.
2. Install programs for the virtual machine:

sudo apt-get update

sudo apt-get install python3-venv

sudo apt-get install python3-pip

sudo apt-get install git

1. Clone the project from git:

git clone <https://github.com/luisalebernal/test3.git>

cd test3

1. Create and activate the virtual environment:

python3 -m venv venv

source venv/bin/activate

1. Install the libraries from the project and gunicorn:

pip install -r requirements.txt

pip install gunicorn

1. Check that you project and server are running locally:

python main3.py

gunicorn -b 0.0.0.0:8000 main3:server

1. Configure the service file:

sudo nano /etc/systemd/system/dashboard.service

[Unit]  
Description=Gunicorn instance for a dash application  
After=network.target  
[Service]  
User=ubuntu  
Group=www-data  
WorkingDirectory=/home/ubuntu/test3  
ExecStart=/home/ubuntu/test3/venv/bin/gunicorn -b 0.0.0.0:8000 main3:server  
Restart=always  
[Install]  
WantedBy=multi-user.target

1. Start and enable the service

sudo systemctl daemon-reload

sudo systemctl start dashboard

sudo systemctl enable dashboard

curl localhost:8000

1. Configure nginx

sudo apt-get install nginx

sudo systemctl start nginx

sudo systemctl enable nginx

sudo nano /etc/nginx/sites-available/default

(put at the top between)

# Default server configuration

#

**upstream dash\_application {  
 server 127.0.0.1:8000;  
}**

server{

Listen 80 default\_server

Replace

Try\_files $uri $uri/ =404;

with

proxy\_pass <http://dash_application>;

1. Restart nginx

sudo systemctl restart nginx