

STEPS For Deployment

1. Clone the repository (Portal - SRIP-PORTAL).
2. Turn off the DEBUG i.e,(DEBUG = False) in setting of django application. (Recommended). You will have to serve the static file on the server yourself if DEBUG = False.
3. Enable virtualenv for app inside SRIP-PORTAL/portal. Command- **virtualenv prod_env** (put same name as configuration is setup like that).
4. **source prod_env/bin/activate** to activate the environment and then install all the requirements inside requirements.txt. Command - **pip3 install -r requirements.txt** .
5. Install apache2 server. (sudo apt install apache2)
6. Inside /etc/apache2/000default.conf put these -
<VirtualHost *:80>

```
ServerAdmin webmaster@localhost
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined
```

```
<Directory /root/SRIP-PORTAL/portal/portal>
<Files wsgi.py>
Require all granted
</Files>
</Directory>
```

```
Alias /static "/var/www/srip-portal/static/"
ProxyPass /static/ !
ProxyPass / http://0.0.0.0:9000/
```

```
<Directory "/var/www/srip-portal/static">
Require all granted
</Directory>
```

```
</VirtualHost>
```

7. Inside SRIP-PORTAL/portal/prod_gunicorn.bash put these -

```
#!/bin/bash
```

```
NAME="SRIP_Portal"
```

```
DJANGODIR=/root/SRIP-PORTAL/portal
```

```
USER=root
```

```
GROUP=sudo
```

```
NUM_WORKERS=3
```

```
DJANGO_SETTINGS_MODULE=portal.settings
```

```
DJANGO_WSGI_MODULE=portal.wsgi
```

```
cd $DJANGODIR
```

```
source /root/SRIP-PORTAL/portal/prod_env/bin/activate
```

```
export
```

```
DJANGO_SETTINGS_MODULE=$DJANGO_SETTINGS_MODULE
```

```
export PYTHONPATH=$DJANGODIR:$PYTHONPATH
```

```
exec gunicorn ${DJANGO_WSGI_MODULE}:application \
```

```
-D --name $NAME \
```

```
--workers $NUM_WORKERS \
```

```
--user=$USER --group=$GROUP \
```

```
--bind=0.0.0.0:9000 \
```

```
--log-level=debug \
```

```
--log-file=/root/SRIP-PORTAL/portal/logs/debug.log
```

8. Make a bash file reset.sh inside SRIP-PORTAL/portal -

```
kill gunicorn
```

```
./prod_gunicorn.bash
```

```
service apache2 restart
```

9. Chmod 777 reset.sh.

10. The run ./reset.sh