

Server Setup

halalar.com

DigitalOcean

Create Droplet

- Hostname: halalar.com

Namecheap

All Host Records

Host Name	IP Address/URL	Record Type
@	107.170.95.80	A (Address)
www	107.170.95.80	A (Address)

```
ssh root@107.170.95.80
```

Users

1. `adduser samad`
2. `adduser samad sudo`

SSH

1. `nano /etc/ssh/sshd_config`
 - a. Port 12345 (**was** Port 22)
 - b. PermitRootLogin no (**was** PermitRootLogin yes)
2. `service ssh restart`

```
ssh -p 12345 halalar.com
```

1. `sudo apt-get -y update`
2. `sudo apt-get -y upgrade`
3. `sudo apt-get -y install git python-pip postgresql nginx libfreetype6-dev python-dev libpq-dev python-psycopg2`
4. `sudo pip install virtualenv virtualenvwrapper`
5. `nano ~/.profile`
 - a. `source /usr/local/bin/virtualenvwrapper.sh`
6. `source ~/.profile`
7. `sudo nano /etc/postgresql/9.3/main/pg_hba.conf`
 - a. change local from "peer" to "md5"
8. `sudo /etc/init.d/postgresql restart`

Halalar

1. `sudo chown -R samad:samad /srv`
2. `cd /srv`
3. `git clone https://...:@github.com/jawaidss/halalar-web.git`
 - a. Personal access token: <https://github.com/settings/applications>
4. `cd halalar-web`
5. `mkvirtualenv halalar`
6. `pip install -r requirements.txt`
7. `pip install gunicorn`
8. `sudo su postgres -c "createdb halalar"`
9. `sudo su postgres -c "createuser -P halalar"`
10. `sudo su postgres -c 'psql -c "ALTER USER halalar CREATEDB;"'`
11. `sudo su postgres -c 'psql -c "GRANT ALL PRIVILEGES ON DATABASE halalar TO halalar;"'`
12. `echo 'export SECRET_KEY="..."' >> $VIRTUAL_ENV/bin/postactivate`
13. `echo 'export DEBUG="False"' >> $VIRTUAL_ENV/bin/postactivate`
14. `echo 'export DATABASE_PASSWORD="..."' >> $VIRTUAL_ENV/bin/postactivate`
15. `echo 'export MANDRILL_API_KEY="..."' >> $VIRTUAL_ENV/bin/postactivate`
16. `echo 'export AWS_ACCESS_KEY_ID="..."' >> $VIRTUAL_ENV/bin/postactivate`
17. `echo 'export AWS_SECRET_ACCESS_KEY="..."' >> $VIRTUAL_ENV/bin/postactivate`
18. `echo 'export MAILCHIMP_APIKEY="..."' >> $VIRTUAL_ENV/bin/postactivate`
19. `echo 'export GCM_API_KEY="..."' >> $VIRTUAL_ENV/bin/postactivate`
20. `echo 'export APNS_CERTIFICATE="..."' >> $VIRTUAL_ENV/bin/postactivate`
 - a. `sudo chown www-data:www-data ...`
 - b. `sudo chmod 444 ...`
21. `source $VIRTUAL_ENV/bin/postactivate`

SSL

1. `openssl genrsa -out halalar.com.key 2048`
2. `openssl req -new -key halalar.com.key -out halalar.com.csr`
 - a.

Country Name (2 letter code) [AU]	US
-----------------------------------	----

State or Province Name (full name) [Some-State]	Kentucky
Locality Name (eg, city) []	Louisville
Organization Name (eg, company) [Internet Widgits Pty Ltd]	Hurriyah Ltd. Co.
Organizational Unit Name (eg, section) []	Halalar
Common Name (e.g. server FQDN or YOUR name) []	halalar.com
Email Address []	technical@halalar.com
A challenge password []	
An optional company name []	

Namecheap

Manage SSL Certificates → Activate Now

Select web server: Apache + OpenSSL

Enter csr: << halalar.com.csr >>

1. `cat halalar_com.crt COMODORSADomainValidationSecureServerCA.crt
COMODORSAAddTrustCA.crt AddTrustExternalCARoot.crt >
halalar.com.crt`
2. `chmod 600 halalar.com.csr halalar.com.key halalar.com.crt`
3. `sudo chown root:root halalar.com.csr halalar.com.key
halalar.com.crt`
4. `sudo mv halalar.com.csr halalar.com.key /etc/ssl/private/.`
5. `sudo mv halalar.com.crt /etc/ssl/certs/.`

nginx

1. `sudo rm /etc/nginx/sites-enabled/default`
2. `sudo nano /etc/nginx/sites-available/halalar.com`
3. `sudo ln -s /etc/nginx/sites-available/halalar.com
/etc/nginx/sites-enabled/.`

nano /home/samad/halalar

```
cd /srv/halalar-web/halalar
. /home/samad/.virtualenvs/halalar/bin/postactivate
/home/samad/.virtualenvs/halalar/bin/gunicorn -w 3
halalar.wsgi:application
```

chmod +x /home/samad/halalar

sudo nano /etc/init/halalar.conf

start on startup

stop on shutdown

respawn

exec /home/samad/halalar

setuid www-data

sudo nano /etc/nginx/sites-available/halalar.com

server {

listen 80;

return 301 https://halalar.com\$request_uri;

}

server {

listen 443;

server_name 107.170.95.80 www.halalar.com;

ssl on;

ssl_certificate /etc/ssl/certs/halalar.com.crt;

ssl_certificate_key /etc/ssl/private/halalar.com.key;

return 301 https://halalar.com\$request_uri;

}

server {

listen 443;

server_name halalar.com;

ssl on;

ssl_certificate /etc/ssl/certs/halalar.com.crt;

ssl_certificate_key /etc/ssl/private/halalar.com.key;

location / {

proxy_pass http://127.0.0.1:8000;

proxy_redirect off;

proxy_set_header Host \$host;

proxy_set_header X-Real-IP \$remote_addr;

proxy_set_header X-Forwarded-For \$proxy_add_x_forwarded_for;

```
}

    location /apple-touch-icon.png {
        alias /srv/halalar-web/halalar/static/apple-touch-icon.png;
    }

    location /favicon.ico {
        alias /srv/halalar-web/halalar/static/favicon.ico;
    }

    location /robots.txt {
        alias /srv/halalar-web/halalar/static/robots.txt;
    }
}
```

nano /home/samad/backup

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

```
export WORKON_HOME=/home/samad/.virtualenvs
source /usr/local/bin/virtualenvwrapper.sh
```

```
cd /srv/halalar-web/halalar
workon halalar
```

```
./manage.py runscript backup
```

chmod +x /home/samad/backup

sudo nano /root/.pgpass

```
localhost:5432:halalar:halalar:...
```

sudo chmod 0600 /root/.pgpass

sudo crontab -e

```
0 4 * * * /home/samad/backup
```