Other

- Install OpenEats without Docker and run on Apache2
- Teamspeak 3 configs

Install OpenEats without Docker and run on Apache2

Install dependencies

```
apt-get install python3 python3-pip git build-essential
```

Nodejs

Install nodejs

```
curl -sL https://deb.nodesource.com/setup_8.x -o nodesource_setup.shbash nodesource_setup.sh
```

Further help to installing nodejs: https://www.digitalocean.com/community/tutorials/how-to-install-node-js-on-debian-8

Database

We will use Mariadb but if you have working MySQL server you can skip the Mariadb installation part.

install Mariadb

Add mariadb repository to `/etc/apt/sources.list.d/mariadb.conf`

```
apt-get install software-properties-common dirmngrapt-key adv --recv-keys --keyserver
keyserver.ubuntu.com 0xF1656F24C74CD1D8add-apt-repository 'deb [arch=amd64,i386,ppc64el]
http://ftp.bme.hu/pub/mirrors/mariadb/repo/10.1/debian stretch main'
apt-get updateapt-get install mariadb-server
```

Create openeats user and database in mariadb (ssh)

Log into your MySQL database

```
mysql -p
```

Create database

```
create database openeats;
```

Create a database user and password

Change username and password. You will have to change in configuration files too-

```
grant all privileges on openeats.* to 'username'@'localhost' identified by "password";
```

Commit changes

```
flush privileges;
```

Exit from mysql

```
exit;
```

Create directory infrastructure

```
mkdir /opt/openeats/mkdir /opt/openeats/openeats-apache2/
```

Set up the openeats-api

```
cd /opt/openeats/
```

Get the source of openeats-api from git

```
git clone https://github.com/open-eats/openeats-api.gitcd /opt/openeats/openeats-api
```

Install the python requirements

```
pip3 install -r /opt/openeats/openeats-api/base/requirements.txt
```

Create .env environment file

```
touch /opt/openeats/openeats-api/.env
```

Edit the created .env file and insert the following data in it

Read the comments carefully and change the necessary parts to your configuration.

Our api will listen on port 5210.

```
# Database config
MYSQL_HOST=localhost
MYSQL_DATABASE=openeats
MYSQL_USER=username
MYSQL_ROOT_PASSWORD=password
# Django config
API_URL=0.0.0.0:5210
API_PORT=5210
DJANGO_SECRET_KEY=CHANGE_THIS:SECRETKEY
DJANGO_SETTINGS_MODULE=base.settings
DJANGO_DEBUG=FalseALLOWED_HOST=openeats.domain.com  # if you running from a domain you have to specify the hostname here [default value was localhost]
# If you are serving content behind an HTTPS proxy,
# Set this to `true`.# See: https://docs.djangoproject.com/en/1.10/ref/settings/#secure-proxy-ssl-headerHTTP_X_FORWARDED_PROTO=true  # We are using ssl maybe you need to change it back to false
# Node config
NODE_ENV=developmentNODE_URL=openeats.domain.com:5200 # As far as I tested the port can be anything here we wont use itNODE_API_URL=https://openeats.domain.com  # the openeats domain with http or httpsNODE_LOCALE=en
```

Edit the `/opt/openeats/openeats-api/base/prod-entrypoin` file

The paths should be adjusted to your infrastructure

```
#!/usr/bin/env sh
BASEDIR=/opt/openeats/openeats-api
# Update the DB if it needs it and compile static files.python3 $BASEDIR/manage.py migrate --no-input
python3 $BASEDIR/manage.py collectstatic --no-input
# Start up gunicornbash $BASEDIR/base/gunicorn_start.sh
```

Edit the `/opt/openeats/openeats-api/base/gunicorn_start` file

The paths should be adjusted to your infrastructure

```
#!/usr/bin/env sh
NAME="OpenEats"                                     # Name of the application
DJANGODIR=/opt/openeats/openeats-api        # Django project directory
USER=root                                           # the user to run as
GROUP=root                                          # the group to run as
NUM_WORKERS=5                                       # how many worker processes should Gunicorn spawnDJANGO_SETTINGS_MODULE=base.settings             # which settings file should Django use
DJANGO_WSGI_MODULE=base.wsgi                        # WSGI module name
echo "Starting $NAME as `whoami`"
# Activate the virtual environment
```

```
cd $DJANGODIR
export DJANGO_SETTINGS_MODULE=$DJANGO_SETTINGS_MODULE
export PYTHONPATH=$DJANGODIR:$PYTHONPATH
# Start your Django Unicorn# Programs meant to be run under supervisor should not daemonize themselves (do not use --daemon)
exec gunicorn ${DJANGO_WSGI_MODULE}:application \
  --name $NAME \
  --workers $NUM_WORKERS \
  --user=$USER --group=$GROUP \  --bind=$API_URL
```

Create systemd service to run the api

Create and edit `/lib/systemd/system/openeats.service`

```
[Unit]
Description=OpenEatsAfter = mariadb.service systemd-user-sessions.service network-online.target systemd-networkd.service
[Service]
Type=simple
User=root
EnvironmentFile=/opt/openeats/openeats-api/.envExecStart =/usr/bin/ionice -c 3 /usr/bin/nice -n 18 /bin/bash /opt/openeats/openeats-api/base/prod-entrypoint.sh
Restart = always
RestartSec = 1
# Configures the time to wait before service is stopped forcefully.
TimeoutStopSec=2000
[Install]WantedBy=multi-user.target
```

Start the api

```
systemctl start openeats.service
```

Check if the api running correctly

```
systemctl status openeats.service
```

Set up the openeats-web

```
cd /opt/openeats/
```

Get the source of openeats-Web from git

```
git clone https://github.com/open-eats/openeats-web.gitcd /opt/openeats-web/
```

Create environment file in /opt/openeats-web/

```
touch /opt/openeats-web/.env
```

Edit the created .env file and insert the following data in it

Read the comments carefully and change the necessary parts to your configuration.

This should contain the same values like .env in the openeats-api directory, but every line should start with *export* Our api will listen on port 5210.

```
# Database config
export MYSQL_HOST=localhost
export MYSQL_DATABASE=openeats
export MYSQL_USER=username
export MYSQL_ROOT_PASSWORD=password
```

```
# Django config
export API_URL=0.0.0.0:5210
export API_PORT=5210
export DJANGO_SECRET_KEY=CHANGE_THIS_SECRETKEY_TO_RANDOM_STRINGexport
DJANGO_SETTINGS_MODULE=base.settings
export DJANGO_DEBUG=Falseexport ALLOWED_HOST=openeats.domain.com  # if you running from a domain
you have to specify the hostname here [default value was localhost]
# If you are serving content behind an HTTPS proxy,
# Set this to `true`.# See: https://docs.djangoproject.com/en/1.10/ref/settings/#secure-proxy-
ssl-headerexport HTTP_X_FORWARDED_PROTO=true  # We are using ssl maybe you need to change it
back to false
# Node config
export NODE_ENV=developmentexport NODE_URL=openeats.domain.com:5200 # As far as I tested the
port can be anything here we wont use itexport NODE_API_URL=https://openeats.domain.com  # the
openeats domain with http or httpsexport NODE_LOCALE=en
```

Load the environment values

```
cd /opt/openeats-web/. ./.env
```

install the dependecies

```
npm installnpm install yarn
```

Build openeats-web

```
$ /opt/openeats-web/node_modules/yarn/bin/yarn start
```

This will create a `build` directory in `/opt/openeats-web/`

Apache 2

Install Apache2

```
apt-get install apache2
```

Create symbolic links for Apache2

```
cd /opt/openeats/openeats-apache2/ln -s /opt/openeats/openeats-web/build /opt/openeats/openeats-
apache2/public-uiln -s /opt/openeats/openeats-api/static-files /opt/openeats/openeats-
apache2/static-files
ln -s /opt/openeats/openeats-api/site-media /opt/openeats/openeats-apache2/site-media
```

*Openeats will create the **site-media** directory when you upload the first image.*

Edit `/etc/apache2/sites-available/default.conf`

```
   <VirtualHost *:80>
       ServerName openeats.domain.com
       ServerAdmin postmaster@domain.com       Header always set Strict-Transport-Security "max-
age=15768000"
       DocumentRoot "/opt/openeats/openeats-apache2/public-ui"       <Directory
"/opt/openeats/openeats-apache2/public-ui">
           # HANDLE 404 ERROR ON REFRESH
           RewriteEngine On
           RewriteBase /
```

```
            RewriteRule ^index\.html$ - [L]           RewriteCond %{REQUEST_FILENAME} !-
f
            RewriteCond %{REQUEST_FILENAME} !-d
            RewriteRule . /index.html [L]
            # HANDLE 404 ERROR ON REFRESH END           Options Indexes FollowSymLinks
MultiViews
            AllowOverride All
            Order allow,deny
            allow from all
            Require all granted
        </Directory>
        Alias /static /opt/openeats/openeats-apache2/public-ui/static       <Location
"/static/">
            Options Indexes FollowSymLinks MultiViews
            AllowOverride All
            Order allow,deny
            allow from all
            Require all granted
            AddOutputFilterByType DEFLATE text/plain           AddOutputFilterByType DEFLATE
text/javascript
            AddOutputFilterByType DEFLATE application/javascript           AddOutputFilterByType
DEFLATE application/xml
            AddOutputFilterByType DEFLATE application/xhtml+xml
        </Location>
        <Location "/api/">
            ProxyPass http://127.0.0.1:5210/api/           ProxyPassReverse
http://127.0.0.1:5210/api/
        </Location>
        <Location "/admin/">
            ProxyPass http://127.0.0.1:5210/admin/           ProxyPassReverse
http://127.0.0.1:5210/admin/
        </Location>
        Alias /static-files /opt/openeats/openeats-apache2/static-files       <Directory
"/opt/openeats/openeats-apache2/static-files">           Options Indexes FollowSymLinks
MultiViews
            AllowOverride All
            Order allow,deny
```

```
            allow from all
            Require all granted
        </Directory>
        Alias /site-media /opt/openeats/openeats-apache2/site-media       <Directory
"/opt/openeats/openeats-apache2/site-media">           Options Indexes FollowSymLinks
MultiViews
            AllowOverride All
            Order allow,deny
            allow from all
            Require all granted
        </Directory>   </VirtualHost>
```

Reload Apache configuration

```
service apache2 reload
```

Your openeats installation should run on your http://openeats.domain.com

Updating openeats

```
cd /opt/openeats/
```

Get the update from git sources

```
git clone https://github.com/open-eats/openeats-api.git
git clone https://github.com/open-eats/openeats-web.git
```

Update the paths in your configuration files

1. Update paths in prod-entrypoint.sh
2. Update paths in gunicorn_start.sh

Rebuild openeats-web

1. Load environment values in the current session
2. Rebuild openeats-web with yarn

Restart services

```
systemctl restart openeats.servicesystemctl reload apache2.service
```

Teamspeak 3 configs

Systemctl service for Teamspeak 3

```
[Unit] Description=Teamspeak 3 Daemon Wants=network-online.target
[Service]
WorkingDirectory=/services/ts3/
User=rootExecStart=/usr/bin/nice -n 5 /services/ts3/ts3server_minimal_runscript.sh
inifile=/services/ts3/ts3server.ini
Restart=always
RestartSec=15
[Install]WantedBy=multi-user.target
```

ts3server.ini

```
machine_id=1
default_voice_port=9987
voice_ip=0.0.0.0
licensepath=
filetransfer_port=30033
filetransfer_ip=0.0.0.0
query_port=10011
query_ip=0.0.0.0query_ip_whitelist=query_ip_whitelist.txt
query_ip_blacklist=query_ip_blacklist.txtdbplugin=ts3db_mariadb
dbpluginparameter=ts3db_mariadb.ini
dbsqlpath=sql/
dbsqlcreatepath=sql/create_mariadb/
```

```
dblogkeepdays=90
logpath=logs
logquerycommands=0dbclientkeepdays=30
```

ts3db_mariadb.ini

```
[config]
host=127.0.0.1
port=3306
username=teamspeak
password=<password>database=teamspeak
```