
MicroSite Documentation

Release 0.1

MicroPyramid

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CHAPTER 1

Introduction:

This is complete code powering the very micropyramid company site www.micropyramid.com. We intend to open-source our code to be used by other companies or people. This is completely extensible and documented.

Modules used:

- Pillow
- Haystack with elasticsearch
- Sorl
- Akismet

Installation procedure

2.1 Install git and supporting packages

```
apt-get install -y git software-properties-common libxml2-dev libxslt1-dev libffi-dev  
→python-virtualenv python3-pip libpq-dev python3-dev redis-server postgresql-9.4 npm  
→ruby
```

2.2 Manual Install Elastic Search

2.3 Setup Java

```
add-apt-repository ppa:webupd8team/java  
apt-get update  
apt-get install oracle-java8-installer
```

Download Latest version of elasticsearch from <https://www.elastic.co/downloads/elasticsearch>. At time of this tutorial elasticsearch 5.1.1 was available stable version

```
wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-5.1.1.deb  
dpkg -i elasticsearch-5.1.1.deb  
service elasticsearch start
```

2.4 Setting up Project

The below commands will download latest code of MicroSite and move the project to /webapps/microsite/microsite setup virtualenv with python3, install required pip, ruby and node packages and create a symlink of nodejs to node

```
git clone https://github.com/MicroPyramid/MicroSite.git
mkdir -p /webapps/microsite
mv MicroSite /webapps/microsite/microsite
cd /webapps/microsite
virtualenv -p python3 env
source env/bin/activate
pip3 install -r microsite/requirements.txt
gem install sass
npm install -g less
ln -s /usr/bin/nodejs /usr/bin/node
```

Login into postgresql shell

```
CREATE DATABASE microsite;
CREATE USER microsite with password 'password';
GRANT ALL PRIVILEGES ON DATABASE microsite TO microsite;
```

2.5 To Do

- Modify database details in settings.py
- Add your hostname to ALLOWED_HOSTS
- Run the following project manage.py commands

```
python manage.py makemigrations
python manage.py migrate
python manage.py createsuperuser # to add Admin User
```

Note that all the above commands should be executed when virtualenv is activated

CHAPTER 3

Working modules

- Create static pages.
- Dynamic configurable menu.
- A complete blog system with comments.

CHAPTER 4

Planned Modules

- Internal Knowledgebase.

We are always looking to help you customize the whole or part of the code as you like.