Interestr Web Application

DEPLOYMENT INSTRUCTIONS

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Glossary

Interestr: Temporary name for the software product that was requested by the customer. In the document context, it is used to describe the whole project.
Interestr API: API application of Interestr.
Interestr Website: Website application of Interestr which includes the frontend of the application and the logic behind it.
Web Application: Describes both the Interestr API and the Interestr Website project.
Android Application: Describes the mobile application of the Interestr project that is built on Android.
Django: The technology used for building the Web Application.

Introduction

This instruction manual contains information about deploying the web application of *Interestr* project, which includes *Interestr API* and *Interestr Website, Django* projects.

Requirements

Here is a strict list of requirements that are used for deploying *Web Application*.

- Ubuntu 16.04
- Min: 512MB RAM
- Min: 20GB SSD

Software requirements will be installed throughout the instructions.

Instructions

Installing the Dependencies

Although it is divided into parts to understand what we are installing better, you may simply crunch all the apt-get install instructions into one line by writing the package names in one line separated by spaces.

1) Update the system package repositories to the latest version. Then, optionally, do an upgrade.

Bash Console

```
$ sudo apt-get update
# Optionally, upgrade
$ sudo apt-get upgrade
```

2) Install Python.

Bash Console

```
$ sudo apt-get install python
$ sudo apt-get install python-pip
```

3) Install virtualenv

Bash Console

```
$ pip install virtualenv
```

4) Install Apache2 and its modwsgi plugin.

Bash Console

```
$ sudo apt-get install apache2
$ sudo apt-get install libapache2-mod-wsgi
```

5) Install Postgresql database

Bash Console

```
$ sudo apt-get install postgresql
```

6) Install unzip utility

Bash Console

```
$ sudo apt-get install unzip
```

Leave it to the deploy script

We have provided a script to deploy your project into any Ubuntu 16.04 machine. Your remote machine has to have a user named ‘ubuntu’ and you have to transfer the script to the remote machine to run it there along with the files provided with it.

1) Transfer the files to the remote machine via ‘scp’, (run this on the local machine)

Bash Console

```
$ scp deployscript.zip ubuntu@<remote-ip>:/home/ubuntu/
```

2) Unzip the files on remote machine

Bash Console

```
$ unzip deployscript.zip
```

3) Run the script

Bash Console

```
$ sudo ./deploy.sh <remote-ip>
```

You have to provide the IP address of your machine, because we have to let Django allow connections from local machine.

4) Visit http://<remote-ip>/ to check if everything is working.