

Software Engineering (CS301)
Deployment Plan (Version - 2.0)
Travel Diaries

Group 5

November 15, 2016

Project Members

ID	Name
201452004	Nilesh Chaturvedi
201452005	Jitendra Singh
201452012	Durga Vijaya Lakshmi
201452036	Pedapalli Akhil
20152040	B. Indu
201452044	Dileep Krishna
201452050	Shreya Singh
201452056	Ravi Kumar Patel
201452057	G. Raju Koushik

Authored By	Raju Koushik
Reviewed By	Durga Vijaya Lakshmi

Contents

1	Introduction	3
1.1	Purpose	3
1.2	Scope	3
2	Deployment Procedure	3
2.1	Prerequisites	3
3	Step by Step Procedure for deployment	3
3.1	Set up Environment for Deployment	3
3.2	Setting up our App on PythonAnywhere	4
3.3	Creating a server	5
3.4	Plan for Deploying Andriod apk	6

1 Introduction

1.1 Purpose

The purpose of the Deployment Plan document is to define a deployment strategy for a software application. The document consists of instructions for hosting an API online using www.pythonanywhere.com.

1.2 Scope

This document consist the deployment plan for the Location Based Asistance project. It consists of instructions for deploying the API used for project onto an online server. This involves making changes to the python Django application as required. The document is intended for the Software Development Team and the end user if he/she to know how the deployment is done.

2 Deployment Procedure

There are a lot of server providers available on the internet. We will use one that has a relatively simple deployment process: PythonAnywhere. The other external service well be using is GitHub, which is a code hosting service. There are others out there, but almost all programmers have a GitHub account these days, and now so will you! our application will be on PythonAnywhere and we will update it by getting a new copy of your code from GitHub.

2.1 Prerequisites

Prerequisites to host an API online from localhost using pythonanywhere website and GitHub.

- Install git on system and make a account on git hub
- An account on www.pythonanywhere.com
- Install Django 1.9 or higher
- Python 2.7 or higher
- Django-rest-framework
- Python pip

3 Step by Step Procedure for deployment

3.1 Set up Environment for Deployment


- Installing Git
For Window: You can download Git from git-scm.com.

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

Repository name

 ravi268kumar ▾

 /

Great repository names are short and memorable. Need inspiration? How about [urban-octo-happiness](#).

Description (optional)

☒ Public

Anyone can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

☐ Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None ▾**

 |

Add a license: **None ▾** ⓘ

Create repository

- Starting our Git repository
git init Initialized empty Git repository

- Check Git Status
git status

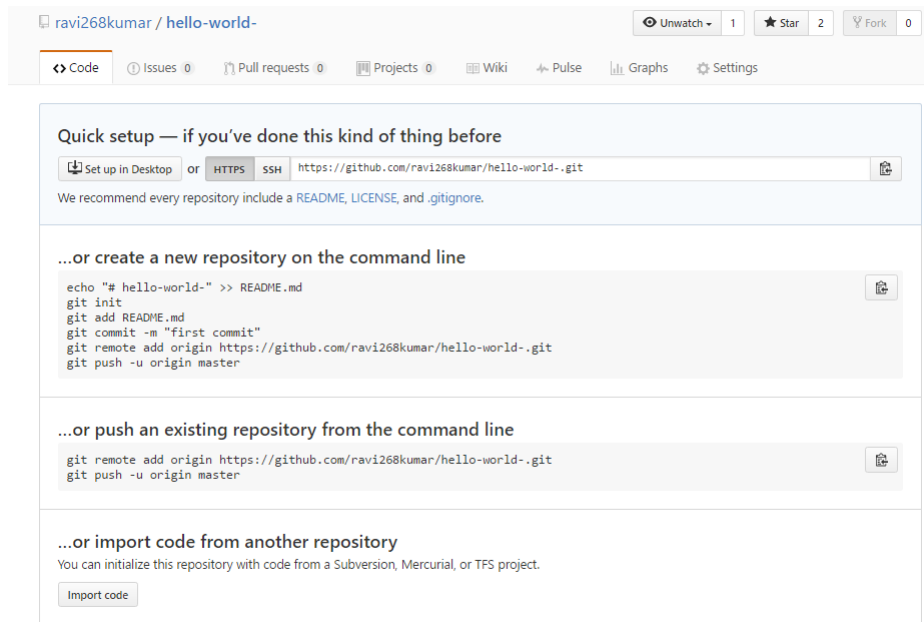
- Commit
git add all
git commit -m Message

- Pushing your code to GitHub

- 1 Go to GitHub.com and sign up for a new, free user account.
- 2 Then, create a new repository, giving it the name for example my- first- blog. Leave the initialize with a README checkbox unchecked, leave the .gitignore option blank (weve done that manually) and leave the License as None.
- 3 .On the next screen, youll be shown your repos clone URL. Choose the HTTPS version, copy it, and well paste it into the terminal shortly:
- 4 git remote add origin https://github.com/your-github-username/my- first- blog.git git push -u origin master

3.2 Setting up our App on PythonAnywhere

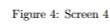
- 1 Sign in or register in pythonanywhere.com.



- 2 `git clone https://github.com/your-github-username/my-first-blog.git`. This will pull down a copy of your code onto PythonAnywhere.
- 3 Create a virtualenv on PythonAnywhere: `cd my-first-blog`
`virtualenv python=python3.5 myvenv`
`source myvenv/bin/activate`
- 4 Creating the database on PythonAnywhere:
`(mvenv) python manage.py migrate`

3.3 Creating a server

- Sign in in pythonanywhere.com
- Go to the change the web tab in the home page
- Click on add a new web app.
- A dialog box will open where the server hostname will be given to you
- Click next and choose django as your platform.
- Choose python version and click next.
- Choose project name (e.x.my-first-blog) and project folder(ex. home/my-first-blog).



- ### 3.4 Plan for Deploying Andriod apk

6