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# **PythonJamaica Website Documentation**

*Release latest*

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# Quick Start

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## 1.1 Developer Quickstart

### 1.1.1 Cloud9 IDE Quickstart (10 - 15 minute setup time)

To get started with development we recommend using Cloud9 IDE. It is the fastest way to get started developing on the PythonJamaica website

Follow our guide below:

#### Step 1 - Start workspace

Start by creating a workspace (the default is fine).

Create a new workspace and under “Clone from Git” use the following git repo URL  
<https://github.com/PythonJamaica/pythonjam.site.git>

Owner: David Bain Workspace name: pythonjamsite











Description: PythonJamaica Site

Hosted workspace Remote SSH Workspace

☒ Private This is a workspace for your eyes only ☐ Public This will create a workspace for everybody to see

Clone from Git or Mercurial URL (optional): https://github.com/PythonJamaica/pythonjam.site.git

Choose a template

 Custom	 HTML5	 Node.js	 Meteor	 PHP, Apache & MySQL
 Django	 Ruby	 C++	 Wordpress	 Ruby on Rails Tutorial

Create workspace

### Step 2 - Initialise the site

Then run the following commands in a terminal:

```
sudo apt-get install libxslt-dev libxml2-dev -y
```

Setup a virtualenv and run buildout (takes about 10 minutes):

```
virtualenv venv
cp templates/buildout.cfg.in buildout.cfg
venv/bin/python bootstrap-buildout.py
bin/buildout
```

**Note:** Sometimes *bin/buildout* fails on the first run, just run the *bin/buildout* command again

Then install the development data and enable https:

```
bin/pulldevdata
bin/setuphttps
```

### Step 3 - Starting/Stopping the site

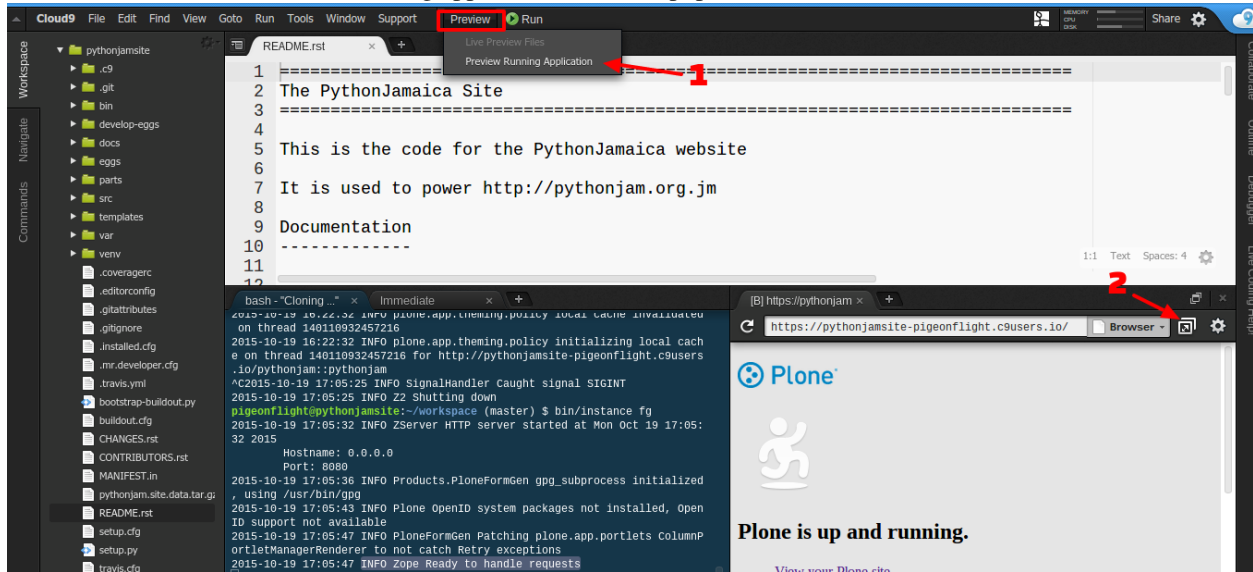
#### Starting the site

To start the site, run the following command:

```
bin/instance fg
```

This will launch the site, once you see “INFO Zope Ready to handle requests”

From the IDE click 1) “Preview running app” and 2) click to “pop out in a new window”



You can now to view your Plone site. This will reveal a working copy of the PythonJamaica site.



## Plone is up and running.

[View your Plone site](#)

- You can add another Plone site:

[Create a new Plone site](#) [Advanced](#)

[Management Interface](#) — low-level technical configuration.

For an introduction to Plone, success stories, demos, providers, visit [plone.com](http://plone.com).

For documentation, add-ons, support, community, visit [plone.org](http://plone.org).

Access it on port 8080 and with username “admin” and password “admin”

### Stopping the site

Stop the site with the following on the console:

```
CTRL + C
```

### Logging in

You can login by appending /login to the site url. Use the following credentials:

```
username: admin
password: admin
```



### 1.1.2 Ubuntu 14.04 Quickstart (40 to 60 minute setup time)

If you prefer to develop locally we've also tested the install on Ubuntu 14.04. Here are the instructions. Install the dependencies

```
sudo apt-get install build-essential libssl-dev libxml2-dev libxslt1-dev libbz2-dev zlib1g-dev python-dev  
sudo apt-get install python-virtualenv git libjpeg62-dev libreadline-gplv2-dev python-imaging wv poppler
```

Setup a virtualenv and run buildout (takes about 40 minutes):

```
git clone https://github.com/PythonJamaica/pythonjam.site  
cd pythonjam.site  
virtualenv venv  
venv/bin/pip install -U setuptools  
cp templates/buildout.cfg.in buildout.cfg  
venv/bin/python bootstrap-buildout.py  
bin/buildout
```

#### Install site data

After installing the buildout you will want add a working version of the site with some real data.

To quickly achieve this, run the following command from within your buildout directory:

```
bin/pulldevdata
```

#### Start the site

To start the site, run the following command:

```
bin/instance fg
```

This will launch the site on port 8080



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## Site Administration Documentation

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### 2.1 Managing Users

#### 2.1.1 Permissions

#### 2.1.2 Roles

There are a few key user roles

- Administrator
- Site Administrator
- Member

Your role will affect things that you can do on the site.

### 2.2 Posting Updates

You may be tasked with posting news about events or other things. This section explains how to post updates on the website.

### 2.3 Managing the Blog

The site supports a group blogging platform.

This platform allows multiple persons to submit Blog posts. After they are reviewed they are published on the site.



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## Developer Documentation

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### 3.1 Managing Site Data

The PythonJamaica site is for public consumption, and so we occasionally release the data needed to rebuild the site to the public. Before releasing the data we remove all member data from the database.

These are notes related making use of this site data during development and how to package and release new site data.

#### 3.1.1 Retrieving the Site Data

A version of the sanitized data can be retrieved automatically using the following command from within your buildout:

```
bin/pulldevdata
```

#### 3.1.2 Releasing Site Data

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**Important:** This task should be executed on a slave copy of the production system.

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The goal is to create a snapshot of real data that developers can work with without needing to disturb the live site.

We are careful not to publish any data of our site users. To achieve this we “defang” the site data by removing all user account data before releasing it.

```
bin/sanitize
```

The sanitized version of the data is located in a folder of your buildout called *sanitized*.

It should be safe to share the resulting file with other developers: `sanitized/pythonjam.site.data.tar.gz`

#### To release the latest data

- Upload the snapshot to <https://github.com/PythonJamaica/pythonjam.site/releases>
- Update the link in `templates/pulldevdata.in`