**[Training and Documentation]**

**[Deployment Details]**

**CONDUCTED FOR OPERATION**

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# [Hosting for Django Oscar]

## List of web host you can use

Firstly, you can scroll down to the end of the section to see some articles that you Can find a right one but below table is a list of hosts that I highly recommend using and you just Ctrl + Click on “Link” so you can have a head to it

|  |  |
| --- | --- |
| **Host name** | **Link** |
| Pythonanywhere | [[Link](https://www.pythonanywhere.com/)] |
| Heroku | [[Link](https://www.heroku.com/)] |
| DigitalOcean | [[Link](https://www.digitalocean.com/)] |
| Localhost | - |

Anyways, I am using Pythonanywhere because it supports Linux Kernel inside the host and by its name; Python is fully supported here so the deployment is more balancing and better performance.



**Pros**

* It’s easy to set up and use.
* All accounts get free SSL support and you can share your console with other people.
* It has great customer service.
* It includes easy options for scaling.
* It offers flexible payments (you’re billed monthly and can cancel anytime).

**Cons**

* It’s Python-only on the server side. But it is OK because our web app is a Django Python app
* You cannot host a real-time app, as PA has no websocket support.

## List of articles that you can use as references

* [Best web hosts for Django Python](https://djangostars.com/blog/top-django-compatible-hosting-services/)
* [Django Web hosts with price tags](https://www.whoishostingthis.com/compare/django/)
* [Best Django Python web hosts in 2020](https://hostingtribunal.com/best/django-hosting/#gref)
* [Best Django webhosts in 2021](https://www.websiteplanet.com/blog/best-django-hosting-services/)
* [Pros and cons of popular Django web hosts around the world](https://www.netguru.com/blog/django-hosting)

# [Deployment on localhost]

[Credit](https://www.youtube.com/watch?v=HssciqnFjyA)

You will be expected to fail at the first step by watching this credit because the author has already installed virtualenv package in her Python terminal so everything seems very smooth here. Then, please read them all down there:

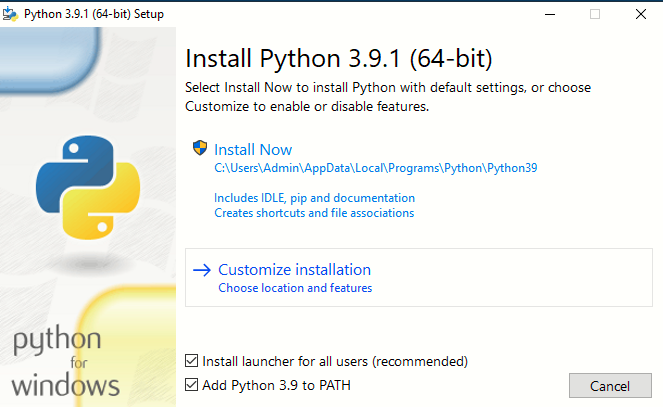
Before you want this project to run live, you must run it on your own local machine so you can have a local version on your own side, no need re-install or anything sort of that. And if you have your own working server in the room, running local on that server will be very helpful.

## Isntalling Python

Because this is Python based app so first thing you must do is installing Python by downloading it [here](https://www.python.org/downloads/) if you don’t have one.

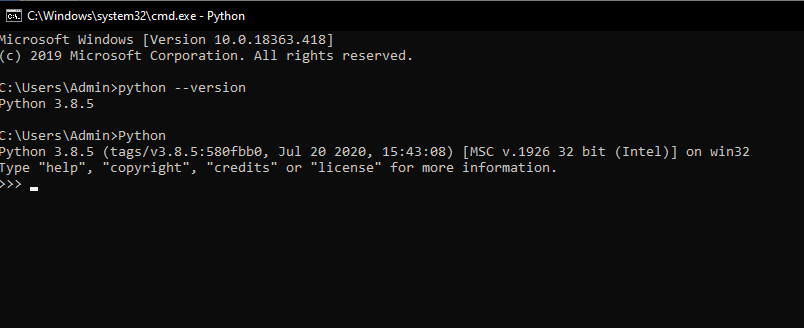
The latest version of Python is 3.9.1 so I recommend you to use this one so we can keep everything close to the newest supported feature.

Then let the battle begin and I suggest ticking on add path checkbox so the installer can add python bin directory to Windows environment path library



With this kind of choice, we may avoid many unexpected error afterward. If you are using Windows then open your Windows command prompt up to test if you have installed Python successfully or not.

Type “python --version” to see if the python’s version you have installed satisfies your need or type “python” then you can expect a python terminal will appear in your cmd like this one below



## Create virtual environment for Django Python app

For Windows, it is impossible to create virtual environment like some popular tutorials on the internet which use Linux as their OS. So the first step ahead is installing virtualenv in Python terminal by “pip install virtualenv”.

