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How To Serve Flask Applications with uWSGI and Nginx on Ubuntu 18.04

By Justin Ellingwood and Kathleen Juell

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Introduction

In this guide, you will build a Python application using the Flask microframework on Ubuntu 18.04. The bulk of this article will be about how to set up the <u>uWSGI application server</u> and how to launch the application and configure <u>Nginx</u> to act as a front-end reverse proxy.

Prerequisites

Before starting this guide, you should have:

- A server with Ubuntu 18.04 installed and a non-root user with sudo privileges. Follow our <u>initial</u> server setup guide for guidance.
- Nginx installed, following Steps 1 and 2 of How To Install Nginx on Ubuntu 18.04.
- A domain name configured to point to your server. You can purchase one on Namecheap or get one for free on Freenom. You can learn how to point domains to DigitalOcean by following the relevant documentation on domains and DNS. Be sure to create the following DNS records:
 - An A record with your_domain pointing to your server's public IP address.
 - An A record with www.your_domain pointing to your server's public IP address.
- Familiarity with uWSGI, our application server, and the WSGI specification. This discussion of definitions and concepts goes over both in detail.

Step 1 – Installing the Components from the Ubuntu Repositories

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First, let's update the local package index and install the packages that will allow us to build our Python environment. These will include python3-pip, along with a few more packages and development tools necessary for a robust programming environment:

- \$ sudo apt update
- \$ sudo apt install python3-pip python3-dev build-essential libssl-dev libffi-dev python3-setuptools

With these packages in place, let's move on to creating a virtual environment for our project.

Step 2 – Creating a Python Virtual Environment

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Next, we'll set up a virtual environment in order to isolate our Flask application from the other Python files on the system.

Start by installing the python3-venv package, which will install the venv module:

\$ sudo apt install python3-venv

Next, let's make a parent directory for our Flask project. Move into the directory after you create it:

- \$ mkdir ~/myproject
- \$ cd ~/myproject

Create a virtual environment to store your Flask project's Python requirements by typing:

\$ python3.6 -m venv myprojectenv

This will install a local copy of Python and pip into a directory called myprojectenv within your project directory.

Before installing applications within the virtual environment, you need to activate it. Do so by typing:

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Step 3 – Setting Up a Flask Application

\$ source myprojectenv/bin/activate

Now that you are in your virtual environment, you can install Flask and uWSGI and get started on designing your application.

First, let's install wheel with the local instance of pip to ensure that our packages will install even if they are missing wheel archives:

\$ pip install wheel

Note

Regardless of which version of Python you are using, when the virtual environment is activated, you should use the pip command (not pip3).

Next, let's install Flask and uWSGI:

(myprojectenv) \$ pip install uwsgi flask

Creating a Sample App

Now that you have Flask available, you can create a simple application. Flask is a microframework. It does not include many of the tools that more full-featured frameworks might, and exists mainly as a module that you can import into your projects to assist you in initializing a web application.

While your application might be more complex, we'll create our Flask app in a single file, called myproject.py:

```
(myprojectenv) $ nano ~/myproject/myproject.py
```

The application code will live in this file. It will import Flask and instantiate a Flask object. You can use this to define the functions that should be run when a specific route is requested:

```
from flask import Flask
app = Flask(__name__)

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if __name__ == "__main__":
    app.run(host='0.0.0.0')
```

This basically defines what content to present when the root domain is accessed. Save and close the file when you're finished.

If you followed the initial server setup guide, you should have a UFW firewall enabled. To test the application, you need to allow access to port 5000:

```
(myprojectenv) $ sudo ufw allow 5000
```

Now, you can test your Flask app by typing:

```
(myprojectenv) $ python myproject.py
```

You will see output like the following, including a helpful warning reminding you not to use this server setup in production:

Output

```
* Serving Flask app "myproject" (lazy loading)
```

- * Environment: production

 WARNING: Do not use the development server in a production environment.

 Use a production WSGI server instead.
- * Debug mode: off
- * Running on http://0.0.0.0:5000/ (Press CTRL+C to quit)

Visit your server's IP address followed by :5000 in your web browser:

```
http://your_server_ip:5000
```

You should see something like this:

Hello There!

When you are finished, hit CTRL-C in your terminal window to stop the Flask development server.

Creating the WSGI Entry Point

Next, let's create a file that will serve as the entry point for our application. This will tell our uWSGI

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```
(myprojectenv) $ nano ~/myproject/wsgi.py
```

In this file, let's import the Flask instance from our application and then run it:

```
rom myproject import app

if __name__ == "__main__":
    app.run()
```

Save and close the file when you are finished.

Step 4 — Configuring uWSGI

Your application is now written with an entry point established. We can now move on to configuring uWSGI.

Testing uWSGI Serving

Let's test to make sure that uWSGI can serve our application.

We can do this by simply passing it the name of our entry point. This is constructed by the name of the module (minus the .py extension) plus the name of the callable within the application. In our case, this is wsgi:app.

Let's also specify the socket, so that it will be started on a publicly available interface, as well as the protocol, so that it will use HTTP instead of the <code>uwsgi</code> binary protocol. We'll use the same port number, 5000, that we opened earlier:

```
(myprojectenv) $ uwsgi --socket 0.0.0.0:5000 --protocol=http -w wsgi:app
```

Visit your server's IP address with :5000 appended to the end in your web browser again:

```
http://your_server_ip:5000
```

You should see your application's output again:



We're now done with our virtual environment, so we can deactivate it:

```
(myprojectenv) $ deactivate
```

Any Python commands will now use the system's Python environment again.

Creating a uWSGI Configuration File

You have tested that uWSGI is able to serve your application, but ultimately you will want something more robust for long-term usage. You can create a uWSGI configuration file with the relevant options for this.

Let's place that file in our project directory and call it myproject.ini:

```
$ nano ~/myproject/myproject.ini
```

Inside, we will start off with the [uwsgi] header so that uWSGI knows to apply the settings. We'll specify two things: the module itself, by referring to the wsgi.py file minus the extension, and the callable within the file, app:

~/myproject/myproject.ini

```
[uwsgi]
module = wsgi:app
```

Next, we'll tell uWSGI to start up in master mode and spawn five worker processes to serve actual requests:

~/myproject/myproject.ini

```
[uwsgi]
module = wsgi:app

master = true
processes = 5
```

When you were testing, you exposed uWSGI on a network port. However, you're going to be using Nginx to handle actual client connections, which will then pass requests to uWSGI. Since these Sign up for our newsletter. Get the latest tutorials on SysAdmin and open source topics.

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p ownership of the

uWSGI process later on, so we need to make sure the group owner of the socket can read information from it and write to it. We will also clean up the socket when the process stops by adding the vacuum option:

~/myproject/myproject.ini

```
[uwsgi]
module = wsgi:app

master = true
processes = 5

socket = myproject.sock
chmod-socket = 660
vacuum = true
```

The last thing we'll do is set the die-on-term option. This can help ensure that the init system and uWSGI have the same assumptions about what each process signal means. Setting this aligns the two system components, implementing the expected behavior:

~/myproject/myproject.ini

```
[uwsgi]
module = wsgi:app

master = true
processes = 5

socket = myproject.sock
chmod-socket = 660
vacuum = true

die-on-term = true
```

You may have noticed that we did not specify a protocol like we did from the command line. That is because by default, uWSGI speaks using the uwsgi protocol, a fast binary protocol designed to communicate with other servers. Nginx can speak this protocol natively, so it's better to use this than to force communication by HTTP.

When you are finished, save and close the file.

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llow Ubuntu's init

system to automatically start uWSGI and serve the Flask application whenever the server boots.

Create a unit file ending in .service within the /etc/systemd/system directory to begin:

\$ sudo nano /etc/systemd/system/myproject.service

Inside, we'll start with the [Unit] section, which is used to specify metadata and dependencies. Let's put a description of our service here and tell the init system to only start this after the networking target has been reached:

/etc/systemd/system/myproject.service

[Unit]
Description=uWSGI instance to serve myproject
After=network.target

Next, let's open up the [Service] section. This will specify the user and group that we want the process to run under. Let's give our regular user account ownership of the process since it owns all of the relevant files. Let's also give group ownership to the www-data group so that Nginx can communicate easily with the uWSGI processes. Remember to replace the username here with your username:

/etc/systemd/system/myproject.service

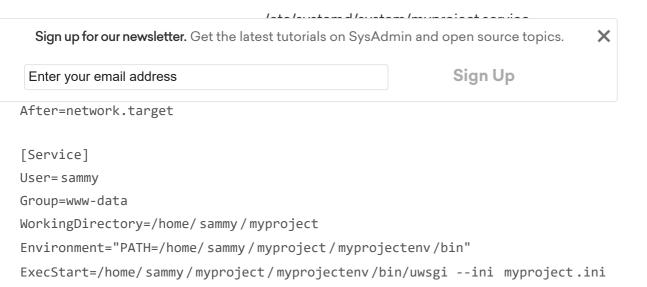
[Unit]
Description=uWSGI instance to serve myproject
After=network.target
[Service]

User= sammy

Group=www-data

Next, let's map out the working directory and set the PATH environmental variable so that the init system knows that the executables for the process are located within our virtual environment. Let's also specify the command to start the service. Systemd requires that we give the full path to the uWSGI executable, which is installed within our virtual environment. We will pass the name of the .ini configuration file we created in our project directory.

Remember to replace the username and project paths with your own information:



Finally, let's add an [Install] section. This will tell systemd what to link this service to if we enable it to start at boot. We want this service to start when the regular multi-user system is up and running:

/etc/systemd/system/myproject.service

```
[Unit]
Description=uWSGI instance to serve myproject
After=network.target

[Service]
User= sammy
Group=www-data
WorkingDirectory=/home/ sammy / myproject
Environment="PATH=/home/ sammy / myproject / myprojectenv / bin"
ExecStart=/home/ sammy / myprojectenv / bin/uwsgi --ini myproject.ini

[Install]
WantedBy=multi-user.target
```

With that, our systemd service file is complete. Save and close it now.

We can now start the uWSGI service we created and enable it so that it starts at boot:

```
$ sudo systemctl start myproject
$ sudo systemctl enable myproject
```

Let's check the status:

```
$ sudo systemctl status myproject
```

```
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 Enter your email address
• myproject.service - uWSGI instance to serve myproject
  Loaded: loaded (/etc/systemd/system/myproject.service; enabled; vendor preset: enabled)
  Active: active (running) since Fri 2018-07-13 14:28:39 UTC; 46s ago
Main PID: 30360 (uwsgi)
   Tasks: 6 (limit: 1153)
  CGroup: /system.slice/myproject.service
           ├30360 /home/sammy/myproject/myprojectenv/bin/uwsgi --ini myproject.ini
           ├30378 /home/sammy/myproject/myprojectenv/bin/uwsgi --ini myproject.ini
           ├─30379 /home/sammy/myproject/myprojectenv/bin/uwsgi --ini myproject.ini
           ├30380 /home/sammy/myproject/myprojectenv/bin/uwsgi --ini myproject.ini
           ├─30381 /home/sammy/myproject/myprojectenv/bin/uwsgi --ini myproject.ini
           └─30382 /home/sammy/myproject/myprojectenv/bin/uwsgi --ini myproject.ini
```

If you see any errors, be sure to resolve them before continuing with the tutorial.

Step 6 — Configuring Nginx to Proxy Requests

Our uWSGI application server should now be up and running, waiting for requests on the socket file in the project directory. Let's configure Nginx to pass web requests to that socket using the uwsgi protocol.

Begin by creating a new server block configuration file in Nginx's sites-available directory. Let's call this myproject to keep in line with the rest of the guide:

```
$ sudo nano /etc/nginx/sites-available/myproject
```

Open up a server block and tell Nginx to listen on the default port 80. Let's also tell it to use this block for requests for our server's domain name:

/etc/nginx/sites-available/myproject

```
server {
    listen 80;
    server_name your_domain www.your_domain;
}
```

Next, let's add a location block that matches every request. Within this block, we'll include the uwsgi_params file that specifies some general uWSGI parameters that need to be set. We'll then



Save and close the file when you're finished.

To enable the Nginx server block configuration you've just created, link the file to the sites-enabled directory:

```
$ sudo ln -s /etc/nginx/sites-available/myproject /etc/nginx/sites-enabled
```

With the file in that directory, we can test for syntax errors by typing:

```
$ sudo nginx -t
```

If this returns without indicating any issues, restart the Nginx process to read the new configuration:

```
$ sudo systemctl restart nginx
```

Finally, let's adjust the firewall again. We no longer need access through port 5000, so we can remove that rule. We can then allow access to the Nginx server:

```
$ sudo ufw delete allow 5000
$ sudo ufw allow 'Nginx Full'
```

You should now be able to navigate to your server's domain name in your web browser:

You should see your application output:

**	••	701	•	
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- sudo less /var/log/nginx/error.log:checks the Nginx error logs.
- sudo less /var/log/nginx/access.log:checks the Nginx access logs.
- sudo journalctl -u nginx: checks the Nginx process logs.
- sudo journalctl -u myproject: checks your Flask app's uWSGI logs.

Step 7 – Securing the Application

To ensure that traffic to your server remains secure, let's get an SSL certificate for your domain. There are multiple ways to do this, including getting a free certificate from Let's Encrypt, generating a self-signed certificate, or buying one from another provider and configuring Nginx to use it by following Steps 2 through 6 of How to Create a Self-signed SSL Certificate for Nginx in Ubuntu 18.04. We will go with option one for the sake of expediency.

First, add the Certbot Ubuntu repository:

\$ sudo add-apt-repository ppa:certbot/certbot

You'll need to press ENTER to accept.

Next, install Certbot's Nginx package with apt:

\$ sudo apt install python-certbot-nginx

Certbot provides a variety of ways to obtain SSL certificates through plugins. The Nginx plugin will take care of reconfiguring Nginx and reloading the config whenever necessary. To use this plugin, type the following:

\$ sudo certbot --nginx -d your_domain -d www.your_domain

This runs certbot with the --nginx plugin, using -d to specify the names we'd like the certificate to be valid for.

to the terms of service. After doing so, certbot will communicate with the Let's Encrypt server, then

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Output

Please choose whether or not to redirect HTTP traffic to HTTPS, removing HTTP access.

1: No redirect - Make no further changes to the webserver configuration.

2: Redirect - Make all requests redirect to secure HTTPS access. Choose this for new sites, or if you're confident your site works on HTTPS. You can undo this

If this is your first time running certbot, you will be prompted to enter an email address and agree

Select the appropriate number [1-2] then [enter] (press 'c' to cancel):

change by editing your web server's configuration.

Select your choice then hit ENTER. The configuration will be updated, and Nginx will reload to pick up the new settings. certbot will wrap up with a message telling you the process was successful and where your certificates are stored:

Output

IMPORTANT NOTES:

- Congratulations! Your certificate and chain have been saved at:
 /etc/letsencrypt/live/your_domain/fullchain.pem
 Your key file has been saved at:
 /etc/letsencrypt/live/your_domain/privkey.pem
 Your cert will expire on 2018-07-23. To obtain a new or tweaked
 version of this certificate in the future, simply run certbot again
 with the "certonly" option. To non-interactively renew *all* of
 your certificates, run "certbot renew"
- Your account credentials have been saved in your Certbot configuration directory at /etc/letsencrypt. You should make a secure backup of this folder now. This configuration directory will also contain certificates and private keys obtained by Certbot so making regular backups of this folder is ideal.
- If you like Certbot, please consider supporting our work by:

Donating to ISRG / Let's Encrypt: https://letsencrypt.org/donate
Donating to EFF: https://eff.org/donate-le

If you followed the Nginx installation instructions in the prerequisites, you will no longer need the redundant HTTP profile allowance:

\$ sudo ufw delete allow 'Nginx HTTP'

To verify the configuration, let's navigate once again to your domain, using https://: Sign up for our newsletter. Get the latest tutorials on SysAdmin and open source topics. Sign Up Enter your email address You should see your application output once again, along with your browser's security indicator, which should indicate that the site is secured. Conclusion In this guide, you created and secured a simple Flask application within a Python virtual environment. You created a WSGI entry point so that any WSGI-capable application server can interface with it, and then configured the uWSGI app server to provide this function. Afterwards, you created a systemd service file to automatically launch the application server on boot. You also created an Nginx server block that passes web client traffic to the application server, relaying external requests, and secured traffic to your server with Let's Encrypt. Flask is a very simple, but extremely flexible framework meant to provide your applications with functionality without being too restrictive about structure and design. You can use the general stack described in this guide to serve the flask applications that you design. By Justin Ellingwood and Kathleen Juell F Y 43 Was this helpful? No Yes Report an issue Related **TUTORIAL TUTORIAL**

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	Sign In to Comment
	jvm986 August 4, 2018 Great tutorial – very well structured and easy to follow.
	One thing I would mention is that it would be cool to see you add setting up a static files location.
	Reply Report
	jvm986 August 5, 2018 One more thing – there's a typo in /etc/nginx/sites-available/myproject
	server_name your_domain wwww.your_domain;
	Reply Report
	katjuell • August 6, 2018
	@jvm986 thanks for the suggestion and observation! Reply Report
ô	cforsythe97 August 24, 2018
0	Does anyone know why I am getting this error when trying to start uwsgi?
	uwsgi: error while loading shared libraries: libpcre.so.1: cannot open shared object file
	I have PCRE installed so if I type sudo find / -name libpcre.so.1
	I get
	/usr/local/lib/libpcre.so.1
	/usr/local/mac-dev-env/pcre-8.42/lib/libpcre.so.1
	/usr/local/src/pcre-8.42/.libs/libpcre.so.1
	I've Googled everywhere and can't find anything.

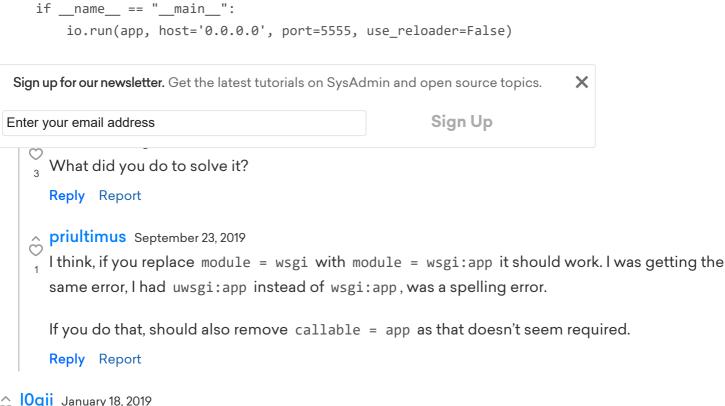
For anyone that happens to run into the problem of loading shared libraries. I FINALLY found the solution. Sign up for our newsletter. Get the latest tutorials on SysAdmin and open source topics. X Sign Up Enter your email address 0 I hank you so much for this great tutorial. Reply Report matshidis September 27, 2018 Thank you for this, very easy to follow tutorial. I have a question - am new to all this, but I did manage to run my first FlaskApplication following your Tutorial. My question is - what happens if you need to make changes to the Python script .py document? Do you need to stop the server and re-do everything, or would you just change the document and save it? Reply Report iamtony October 8, 2018 No just save the file and restart nginx! \$ sudo systemctl restart nginx Reply Report omorales70d3925f017a31bf4c February 19, 2020 1 had to run \$ sudo systemctl restart myproject.service the other way didn't worked for me. Reply Report imebonia October 12, 2018 o .sock failed (13: Permission denied) while connecting to upstream any thoughts? thanks Reply Report cferrante October 16, 2018 Although I don't recall getting the exact error you did, I noticed that to get my example working, I had to use /tmp/myproject.sock...perhaps that will work for you? Reply Report imebonia October 17, 2018 thanks <u>@cferrante</u> for the response. Figured out the reason. I had this whole project under root

directory, where 'www-data' didn't have access. moved it to the different path and voila:)

mazzespazze November 11, 2018 🗶 le tutorial and I get Sign up for our newsletter. Get the latest tutorials on SysAdmin and open source topics. Sign Up Enter your email address where do I put it in order to have a POST request? Thanks in advance for any reply Reply Report KLMunday December 2, 2018 Worth noting in this that if you are using the root user, you get permission denied if you have your files in root. You get several warnings with uwsgi etc about being logged in as root but i was surprised that it was causing a 502 error since root could not access some files Reply Report KLMunday December 2, 2018 $_{0}^{\sim}$ just realised it states it the pre-requisites that you require a non-root user with sudo permissions Reply Report no yurisalesdacosta January 8, 2019 o I'm trying to deploy my flask & socketIO project, but everytime I try to run I got this error: **WSGI app 0** (mountpoint=") myproject.ini [uwsgi] module = wsgi callable = app master = true processes = 1 socket = myproject.sock chmod-socket = 660vacuum = true die-on-term = true wsgi.py from myproject import app

Reply Report

from myproject import socketio as io



O great tutorial!

One question. My flask app is using a few environment variables that I have stored in a .env file. Normally I would just source that file before running the uwsgi command, but at Step 5 when we instead use **systemctl** it does not load this file, so I get missing key errors when I do **systemctl status**. What is the appropriate way to get my .env file loaded?

Reply Report

ankitinc February 15, 2019
You can add environment variable file at /etc/systemd/system/myproject.service

[Service]
User=sammy
Group=www-data
WorkingDirectory=/home/sammy/myproject
Environment="PATH=/home/sammy/myproject/myprojectenv/bin"

EnvironmentFile=/path/to/env/file

ExecStart=/home/sammy/myproject/myprojectenv/bin/uwsgi –ini myproject.ini

The environment variable file should be in the following format:
ENV VAR1=value1
ENV VAR2=value2
Reply Report

neoch20 February 16, 2019

Is there a way of adding all env variables, besides one by one?

Also, I am calling screen from my application. It might be just my lack of understanding but screen has no env variable. If so, how could I call it?

```
leoch20 February 17, 2019
 Sign up for our newsletter. Get the latest tutorials on SysAdmin and open source topics.
                                                                                 X
                                                                                    ut no success.
                                                            Sign Up
Enter your email address
          I also tried something like this:
              location / {
                          uwsgi_pass
                                                    unix:///tmp/uwsgi.sock;
                          include
                                                    uwsgi_params;
                          uwsgi_param
                                                    UWSGI_SCRIPT
                                                                              webapp;
                          uwsgi_param
                                                    UWSGI_CHDIR
                                                                              /usr/local/www/app1;
                 }
          but still nothing.
          Would lua be a good solution? https://www.nginx.com/resources/wiki/modules/lua/
          As an example of what I'm trying to run:
           myproject.py
             import os
             os.system('env')
          running this shows uwsgi[1881]: sh: 1: env: not found in my Flask app's uWSGI logs.
          (sudo journalctl -u myproject)
          Has anyone tried something similar?
          Reply Report
 v3gas March 12, 2019
Thanks a lot for a really helpful tutorial!
  I have a question, though.
  Everything worked for me until the end of step 6.
```

EDIT: For some strange (?) reason, after configuring https, the Flask site shows up there. But still not on the one https. I haven't gotten the domain to work yet, though, so it might be related to that?

What's shown on the page is not the "Hello There" from Flask, but rather the standard Nginx page.

Reply Report

Do you know what I might have done wrong?

Reply Report

	Alright, update: After configuring the domain as well, only the Flask site is showing, and the domain leads directly to https, as it should. Thanks again!
	Sign up for our newsletter. Get the latest tutorials on SysAdmin and open source topics.
E	Enter your email address Sign Up
0	Getting a 502 error/ Permission denied?
	Here's the fix:
	in the ~/myproject/myproject.ini file change the chmod-socket line from 660 to 666!
	Thanks for the tutorial!
	Reply Report
\sim	msbrewer April 13, 2019 I know it's been a while since this was published but I have a question.
	Everything worked just fine up until SSL. I could access the app, before the redirect to HTTPS.
	I had to wait for DNS propogation, but after that I checked to make sure it opened before applying SSL, but now I get 404 not found. This is odd because it works before the SSL redirect.
	Reply Report
	successindeed358 May 18, 2019 Hello Kathleen Juell
	First of all thanks a lot for writing such an article. It saved my days. I got some effective knowledge about wsgi, ini and sock file. If you have some time, can you please guide me what is sock file. I donot know why sock file is needed.
	Secondly I loved the way you have written the article. I wish you will keep on writing more and more articles.
	With regards https://ersanpreet.wordpress.com/ Reply Report
	garyk1968 May 26, 2019 Works fine until I get to the end of step5.

same)
I can see in your example you specify /home/sammy/myproject/myprojectenv/bin/uwsgi but I don't

/home/gary/webapp/webapp/bin/uwsgi no such file or directory. (my project and venv are named the

I can see in your example you specify /home/sammy/myproject/myprojectenv/bin/uwsgi but I don't see anywhere that you actually create this directory hence the issue?

Then I get a directory error:

Th	anks		
Ga	ry		
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Enter	your email address	Sign Up	
1	vvnat did you do to soive it?		
	Reply Report		
	pattersondtaylor November 28, 2019		
1	Hey Gary,		
	I'm having the same problem I'm getting the file. My directory is /home/taylor/PyPortfo/Perror. I've scoured Google looking for a solution would be great!!	PyPortfoenv/bin/uwsgi. Did	you fi
	Best,		
	Renly Report		

- August 16, 2019
- Can someone **explain** why the nginx configuration is different for a flask app when we follow these two guide?
 - https://flask.palletsprojects.com/en/1.1.x/deploying/uwsgi/
 - https://docs.nginx.com/nginx/admin-guide/web-server/app-gateway-uwsgi-django/

Reply Report

berkozdemir September 5, 2019

Thank you for the tutorial! I followed your tutorial but there is one thing that I'm stuck with.

Normally I run my flask file with threading library (for an independent function to catch event changes on an ethereum smart contract and update the database json file which flask uses to index on website and send as metadata). But since I now deploy the website with wsgi, no mather what I tried, I can not make this second thread work in the flask script. So now, my database can not be updated and it breaks my site. I spent hours on search engines to find a relatable solution to this, but I couldn't find any. I would be very glad if you could explain how I can handle this problem. :(

Reply Report

- SydneyRob September 11, 2019
- That's an GREAT tutorial! Keep going!

Reply Report

- amjadparacha September 12, 2019
- One of the best tutorials I've found on internet....great effort.

I'm facing following issue while running flask API behind NGINX. We are using textract library for OCR and document reading. My code runs without any issues but when I try to access it behind NGINX it fails to find some libraries however these libraries are already there. Any help would be highly Sign up for our newsletter. Get the latest tutorials on SysAdmin and open source topics.

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ment management.

Exception call stack

The command

antiword /home/jenkins/jenkins_qa/workspace/AgileDefense/flask-app/downloads/A3_SOW_N6420 failed because the executable

antiword is not installed on your system. Please make sure the appropriate dependencies are installed before using textract:

http://textract.readthedocs.org/en/latest/installation.html

Traceback (most recent call last):

File "/home/jenkins/jenkins*qa/workspace/AgileDefense/flask-app/adqa/lib/python3.6/site-packages/textract/parsers/utils.py*", line 84, in run stdout=subprocess.PIPE, stderr=subprocess.PIPE, File "/usr/lib/python3.6/subprocess.py", line 729, in _init__ restoresignals, startnewsession)

File "/usr/lib/python3.6/subprocess.py", line 1364, in _executechild raise childexceptiontype(errnonum, errmsg, err_filename)

Reply Report

rishbhsharma2008 September 12, 2019

other routes than application.route("/") are inaccessible. For example if I have this:

FileNotFoundError: [Errno 2] No such file or directory: 'antiword': 'antiword'

```
@application.route("/web")
def whatever():
    ...
...
```

If I try to access *host/web*, it returns me an 404 nginx page. Need solution for this.

Reply Report



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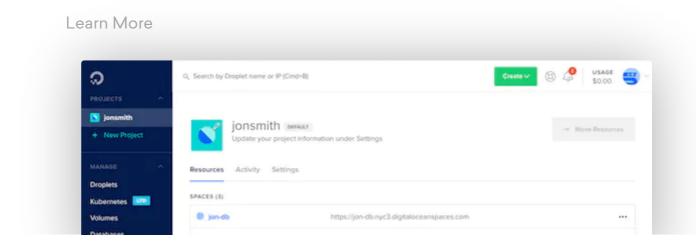
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