

Apache2 & wsgi

Install

1. Installer les paquets:

```
apt update && apt dist-upgrade  
apt install apache2 python3 python3-pip python3-venv
```

2. Créer l'environnement:

```
cd /opt && mkdir flask-app  
cd flask-app  
python3 -m venv flask-venv  
source flask-venv/bin/activate  
pip3 install flask
```

1. Créer un fichier app.py

```
nano app.py
```

Avec le contenu:

app.py

```
from flask import Flask  
app = Flask(__name__)  
  
@app.route('/')  
def index():  
    return 'Hello World'
```

1. Tester la base:

```
export FLASK_APP=app.py  
flask run --host=0.0.0.0
```

2. Quitter l'environnement:

```
deactivate
```

1. Installer le module wsgi pour apache:

```
apt install libapache2-mod-wsgi-py3
```

2. Créer un fichier flask-app:

```
nano /opt/flask-app/flask-app.wsgi
```

Contenu:

[flask-app.wsgi](#)

```
import sys
sys.path.insert(0, '/opt/flask-app')

from app import app as application
```

```
nano /etc/apache2/sites-available/flask.conf
```

```
<VirtualHost *:80> ServerName yourdomain.com DocumentRoot /opt/flask-app/
```

```
WSGIDaemonProcess app user=www-data group=www-data threads=5 python-home=/opt/flask-
app/flask-venv WSGIScriptAlias /opt/flask-app/flask-app.wsgi
```

```
ErrorLog ${APACHE_LOG_DIR}/flask-error.log CustomLog ${APACHE_LOG_DIR}/flask-access.log
combined
```

```
<Directory /opt/flask-app> WSGIProcessGroup app WSGIApplicationGroup %{GLOBAL} Order
deny,allow Require all granted </Directory> </VirtualHost>
```

```
a2dissite 000-default.conf a2ensite flask.conf
```

<https://www.rosehosting.com/blog/how-to-install-flask-on-ubuntu-22-04-with-apache-and-wsgi/>

Sources

- https://www.bogotobogo.com/python/Flask/Python_Flask_HelloWorld_App_with_Apache_WSGI_Ubuntu14.php

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<https://wiki.makeitsimple.be/> - **makeITsimple wiki**

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