

Hosting Telegram Bot Python App at Google App Engine

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<https://goo.gl/Vcuvvq>

Preparations

Install Python 2.7 <https://www.python.org/downloads/>

Install Google Cloud Python SDK <https://cloud.google.com/sdk/>

Install Flask from pip (python package manager)

Google Cloud Console

<https://console.cloud.google.com>

<https://console.cloud.google.com/appengine>

<https://console.cloud.google.com/logs/viewer>

Flask Micro Web Framework

“**Flask** is a micro [web framework](#) written in [Python](#). It is classified as a [microframework](#) because it does not require particular tools or libraries.^[3] It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions. However, Flask supports extensions that can add application features as if they were implemented in Flask itself.”

[https://en.wikipedia.org/wiki/Flask_\(web_framework\)](https://en.wikipedia.org/wiki/Flask_(web_framework))

Flask Hello World (with Python 2.7)

```
# virtualenv helloflask
```

```
# cd helloflask
```

```
# source bin/activate
```

```
(helloflask) pip install Flask
```

```
(helloflask) pip freeze
```

main.py

```
from flask import Flask

application = Flask(__name__)

@application.route('/')

def index():

    return 'hello'
```

flask run

```
export FLASK_APP=main.py
```

(on windows use set instead of export)

```
# flask run
```

(then open <http://127.0.0.1:5000> on your browser)

Flask Mega-Tutorial

<https://blog.miguelgrinberg.com/post/the-flask-mega-tutorial-part-i-hello-world>

Google App Engine Standar Environment

<https://cloud.google.com/appengine/docs/standard/python/getting-started/python-standard-env>

<https://github.com/GoogleCloudPlatform/python-docs-samples/tree/master/appengine/standard>

Google Cloud SDK

(run this command inside virtual environment helloflask)

```
# gcloud init
```

(copy-paste URL to browser and login to your google account)

(choose existing project created with console, or create new project)

(open `your-project-name.appspot.com` on browser)

appengine_config.py

```
from google.appengine.ext import vendor
```

```
# Add any libraries installed in the "lib" folder.
```

```
vendor.add('lib')
```

requirements.txt

Flask==1.0.2

Werkzeug<0.13.0,>=0.12.0

app.yaml

runtime: python27

api_version: 1

threadsafe: true

handlers:

- url: /static

 - static_dir: static

- url: /*

 - script: main.application

Deploy Application to Google App Engine

```
# gcloud app deploy --project relifdata --verbosity=info app.yaml
```

Telegram Bot Sample App

<https://github.com/oonid/dilomksbot>

Create Telegram Bot

Chat with @BotFather

Get access token from @BotFather

<https://cintaprogramming.com/2015/07/18/membuat-bot-telegram/>

Kelas Teknologi (prev) Material

Pemrograman dengan Python untuk Pemula >> <https://goo.gl/pnieCm>

Pemrograman Python untuk Pemula (colab) >> <https://goo.gl/F1Jkwz>