

GADS Phase II Google Cloud Practice Project

Translation Challenge #2

Challenge Info:

Path: Associate Cloud Engineer - Learning Phase 2 Main Track Channel (2020)

Course: Google Cloud Platform Fundamentals - Core Infrastructure

Module: Applications in the Cloud

Lab: GCP Fundamentals: Getting Started with App Engine

Translation:

Task 1: Initialize App Engine

Initialize your App Engine app with your project and choose its region:

gcloud app create --project=\$DEVSHHELL_PROJECT_ID

Clone the source code repository for a sample application in the hello_world directory:

git clone https://github.com/GoogleCloudPlatform/python-docs-samples

Navigate to the source directory:

cd python-docs-samples/appengine/standard_python3/hello_world

Task 2: Run Hello World application locally

Execute the following command to download and update the packages list.

sudo apt-get update

Set up a virtual environment in which you will run your application. Python virtual environments are used to isolate package installations from the system.

sudo apt-get install virtualenv and If prompted [Y/n], press Y and then Enter.

virtualenv -p python3 venv

Activate the virtual environment.

source venv/bin/activate

Navigate to your project directory and install dependencies.

pip install -r requirements.txt

Run the application:

python main.py

Done:

In Cloud Shell, click Web preview (Web Preview) > Preview on port 8080 to preview the application.

Task 3: Deploy and run Hello World on App Engine

Navigate to the source directory:

cd ~/python-docs-samples/appengine/standard_python3/hello_world

Deploy your Hello World application.

gcloud app deploy

Launch your browser to view the app at http://YOUR_PROJECT_ID.appspot.com

gcloud app browse

Done:

Copy and paste the URL into a new browser window to preview

Task 4: Disable the application

Disabling your application stops all serving requests, but your data and state are retained. You will still be billed for applicable charges already incurred or charges for other services running in your project, such as Cloud SQL. To release all the resources used within the project, shut down your project.

gcloud projects delete