

**GCP – HOL -Session 15**

**Python App in GCP**

**# create a folder to host the app**

$ mkdir simple && cd simple

**# add Flask to the requirements file**

$ echo Flask==0.12.1 > requirements.txt

**# install the requirements**

$ pip install -t lib -r requirements.txt

**Create main.py file with the following contents.**

from flask import Flask

app = Flask(\_\_name\_\_)

@app.route('/')

def index():

return 'hello revature gcp training team!'

**Create appengine\_config.py with the following contents. Needed for external dependencies.**

from google.appengine.ext import vendor

vendor.add('lib')

**Finally add app.yaml which is the configuration file.**

runtime: python27

api\_version: 1

threadsafe: true

handlers:

- url: /.\*

script: main.app

**Test run the app locally.**

$ dev\_appserver.py .

**You should now be able to access it.**

$ curl localhost:8080

**Deploy the app**

**Lets now deploy the app and see it run live in the cloud.**

**# login to be able to deploy the app**

$ gcloud auth login

**# create new GCP project (change name here)**

$ export PROJECT\_ID=simple-gae-project-2134

$ gcloud projects create $PROJECT\_ID

**# set this project to current project**

$ gcloud config set project $PROJECT\_ID

**# check your config**

$ gcloud config list

**# you need to create the app first in the specific region.**

**# omit the region to choose it interactivelly.**

$ gcloud app create --region=us-east1

**# now deploy the code**

$ gcloud app deploy

**# open app in the browser**

$ gcloud app browse