Data Glacier – Week 5: Cloud and API Deployment

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Step 1: Setting Up Google Cloud Platform

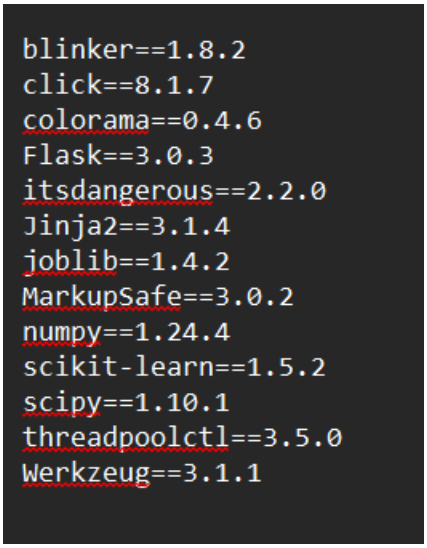
- As the first step, I installed Google Cloud Platform to the terminal, using their website and downloaded the Google Cloud SDK. I used "gcloud init" command on terminal to initiate the configuration, I then log into the Google Cloud account.

Step 2: Preparing the Flask Document for Deployment

- I created an app.yaml file that specifies the environment configuration for Google App Engine, it was placed in the root directory of my Flask project. Here is the code:

Step 3: Upgrading the requirements.txt file

- I made sure the dependencies on the requirements.txt file supports the App Engine.



Step 4: Deploy the application

- Running the “gcloud app deploy” command to deploy the app.

```
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://dgweek5webapp.uc.r.appspot.com]
```

Step 5: Verify Deployment

- By using “gcloud app browse” command, I checked the app is running on the browser.
- Here is the dashboard screenshot on Google Cloud: