

# 14848 HW2

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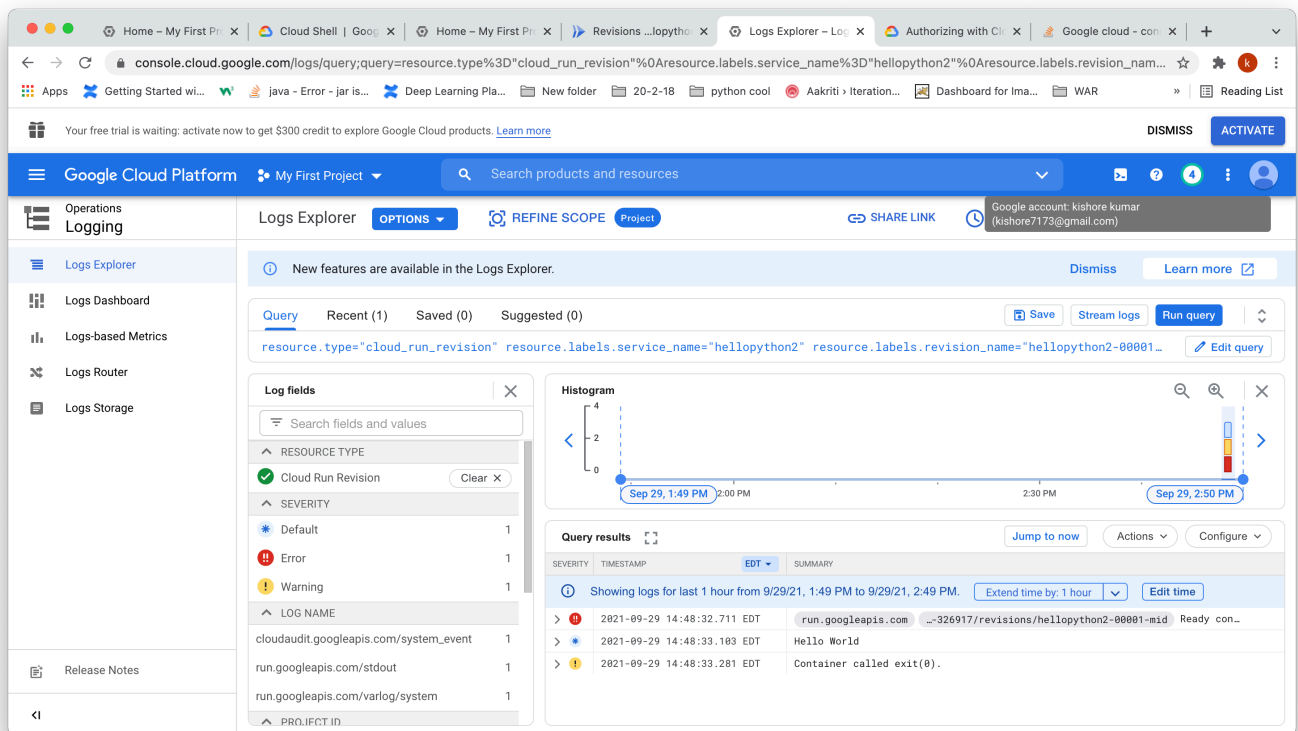
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Container 1

DockerHub image :  
<https://hub.docker.com/r/kish7/hellopython2>

Deployment in GCP

Used GUI to deploy container  
Log Files :



Note : Shows error since the container just prints Hello World and exits

## GCP Kubernetes Deployment (Extra Credit)

The screenshot shows the Google Cloud Platform console for a Kubernetes deployment named 'pythonhello-1'. The deployment is in a state of 'CrashLoopBackOff' with a message 'Pod errors: CrashLoopBackOff'. The overview tab shows resource usage: 1 CPU, 18 Memory, and 2GB Disk. The right sidebar contains 'Expose deployment' and 'Documentation' sections.

The screenshot shows the Google Cloud Platform console for the 'Logs Explorer' of the 'pythonhello-1' deployment. The logs show a sequence of 'Hello World' messages from the container 'hellopython2-sha256-1'. The query used is 'resource.type="k8s\_container" resource.labels.project\_id="smart-tractor-326917" resource.labels.location="us-central1-a" resource...'. The logs are filtered by 'Kubernetes Container' and 'Default' severity.

Note : Deployed in GCP Kube engine - goes to CrashLoopBackOff due to the same reason that the container just prints hello world and exits - can see from the logs that the container actually ran.

## Container 2 -

### Docker console :

```
kish@Kishores-MacBook-Pro 14848 % docker run -it -p 8888:8888 -e ACCEPT_EULA=yes mcr.microsoft.com/mmlspark/release

WARNING: The requested image's platform (linux/amd64) does not match the detected host platform (linux/arm64/v8) and no specific platform was requested
root@2161b0a5278e:/notebooks#
root@2161b0a5278e:/notebooks#
root@2161b0a5278e:/notebooks# pwd
/notebooks
root@2161b0a5278e:/notebooks# jupyter notebook

[I 18:03:13.993 NotebookApp] Writing notebook server cookie secret to /root/.local/share/jupyter/runtime/notebook_cookie_secret
[W 18:03:14.407 NotebookApp] All authentication is disabled. Anyone who can connect to this server will be able to run code.
[I 18:03:14.616 NotebookApp] Serving notebooks from local directory: /notebooks
[I 18:03:14.616 NotebookApp] Jupyter Notebook 6.1.4 is running at:
[I 18:03:14.617 NotebookApp] http://2161b0a5278e:8888/
[I 18:03:14.617 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[W 18:03:14.632 NotebookApp] No web browser found: could not locate runnable browser.
[I 18:03:32.531 NotebookApp] 302 GET / (172.17.0.1) 7.07ms
[I 18:05:17.098 NotebookApp] 302 GET / (172.17.0.1) 3.40ms
```

### Jupyter notebook web UI

localhost:8888/tree?

jupyter Quit

Files Running Clusters

Select items to perform actions on them. Upload New

Name	Last Modified	File size
AzureSearchIndex - Met Artworks.ipynb	a year ago	5.53 kB
Classification - Adult Census with Vowpal Wabbit.ipynb	a year ago	4.83 kB
Classification - Adult Census.ipynb	a year ago	3.42 kB
Classification - Before and After MMLSpark.ipynb	a year ago	10 kB
Classification - Twitter Sentiment with Vowpal Wabbit.ipynb	a year ago	11.4 kB
CognitiveServices - Celebrity Quote Analysis.ipynb	a year ago	7.01 kB
ConditionalKNN - Exploring Art Across Cultures.ipynb	a year ago	11.5 kB
DeepLearning - BiLSTM Medical Entity Extraction.ipynb	a year ago	11.4 kB
DeepLearning - CIFAR10 Convolutional Network.ipynb	a year ago	4.39 kB
DeepLearning - Flower Image Classification.ipynb	a year ago	5.98 kB
DeepLearning - Transfer Learning.ipynb	a year ago	3.72 kB
HttpOnSpark - Working with Arbitrary Web APIs.ipynb	a year ago	2.31 kB
HyperParameterTuning - Fighting Breast Cancer.ipynb	a year ago	4.57 kB
LightGBM - Quantile Regression for Drug Discovery.ipynb	a year ago	4.27 kB
ModelInterpretation - Snow Leopard Detection.ipynb	a year ago	10.5 kB
OpenCV - Pipeline Image Transformations.ipynb	a year ago	7.16 kB
Regression - Flight Delays with DataCleaning.ipynb	a year ago	7.52 kB
Regression - Auto Imports.ipynb	a year ago	10.6 kB
Regression - Flight Delays.ipynb	a year ago	4.72 kB
Regression - Vowpal Wabbit vs. LightGBM vs. Linear Regressor.ipynb	a year ago	12.1 kB
SparkServing - Deploying a Classifier.ipynb	a year ago	5.64 kB