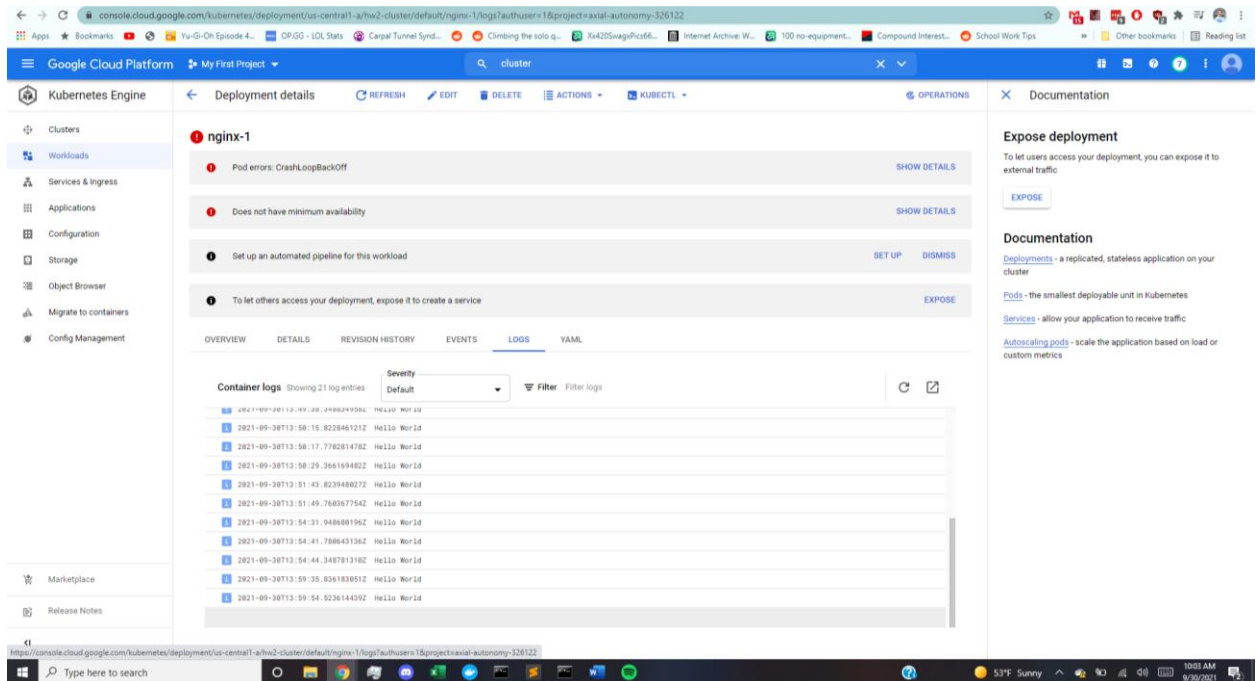


1st Container:

1. <https://hub.docker.com/r/latte164/hw2>
- 2.

Google Cloud Platform console - Create a deployment page for a Kubernetes Engine cluster. The left sidebar shows navigation options: Clusters, Workloads, Services & Ingress, Applications, Configuration, Storage, Object Browser, Migrate to containers, and Config Management. The main content area is titled 'Create a deployment' and has a 'Container' tab selected. The 'Container' section includes an 'Edit container' form with options for 'Existing container image' (selected) and 'New container image'. The 'Image path' is set to 'gcr.io/axial-autonomy-326122/hw2@sha256:...' and a 'SELECT' button is visible. Below this is the 'Environment variables' section with an 'ADD ENVIRONMENT VARIABLE' button and an 'Initial command' field. At the bottom of the 'Container' section are 'CANCEL', 'DONE', 'ADD CONTAINER', and 'CONTINUE' buttons. The 'Configuration' section is partially visible below.

Google Cloud Platform console - Create a deployment page for a Kubernetes Engine cluster. The left sidebar is the same as the previous screenshot. The main content area is titled 'Create a deployment' and has a 'Configuration' tab selected. The 'Configuration' section includes fields for 'Application name' (nginx-1), 'Namespace' (default), and 'Labels'. Below these is a 'Labels' table with a 'Key' column and a 'Value' column, containing one entry: 'app' with value 'nginx-1'. There is an 'ADD KUBERNETES LABEL' button. Below the labels is the 'Configuration YAML' section with a 'VIEW YAML' button. At the bottom is the 'Cluster' section with a 'Kubernetes Cluster' dropdown menu set to 'hw2-cluster (us-central1-a)' and a 'CREATE NEW CLUSTER' button. The right sidebar contains information about 'Container image'.



```
class Hello {  
  
    public static void main(String[] args) {  
  
        System.out.println("Hello World");  
  
    }  
  
}
```

3.

```
FROM openjdk:7  
COPY ./usr/src/myapp  
WORKDIR /usr/src/myapp  
RUN javac Hello.java  
CMD ["java", "Hello"]
```

2nd Container:

William Thomas

History forgot these... x Lecture_5_Docker_Co... x Interacting with Dock... x Account management... x HW2 - Docker.pdf x Topic: Woman Demo... x Topic: Woman, Hum... x What to Expect Durin... x Home Page - Select... x

localhost:8888/tree? jupyter Quit

Files Running Clusters

Select items to perform actions on them.

	Name	Last Modified	File size
<input type="checkbox"/>	/		
<input type="checkbox"/>	AzureSearchIndex - Met Networks.ipynb	a year ago	5.53 kB
<input type="checkbox"/>	Classification - Adult Census with Vowpal Wabbit.ipynb	a year ago	4.83 kB
<input type="checkbox"/>	Classification - Adult Census.ipynb	a year ago	3.42 kB
<input type="checkbox"/>	Classification - Before and After MMLSpark.ipynb	a year ago	10 kB
<input type="checkbox"/>	Classification - Twitter Sentiment with Vowpal Wabbit.ipynb	a year ago	11.4 kB
<input type="checkbox"/>	CognitiveServices - Celebrity Quote Analysis.ipynb	a year ago	7.01 kB
<input type="checkbox"/>	ConditionalKNN - Exploring Art Across Cultures.ipynb	a year ago	11.5 kB
<input type="checkbox"/>	DeepLearning - BiLSTM Medical Entity Extraction.ipynb	a year ago	11.4 kB
<input type="checkbox"/>	DeepLearning - CIFAR10 Convolutional Network.ipynb	a year ago	4.39 kB
<input type="checkbox"/>	DeepLearning - Flower Image Classification.ipynb	a year ago	5.98 kB
<input type="checkbox"/>	DeepLearning - Transfer Learning.ipynb	a year ago	3.72 kB
<input type="checkbox"/>	HttpOnSpark - Working with Arbitrary Web APIs.ipynb	a year ago	2.31 kB
<input type="checkbox"/>	HyperParameterTuning - Fighting Breast Cancer.ipynb	a year ago	4.57 kB
<input type="checkbox"/>	LightGBM - Quantile Regression for Drug Discovery.ipynb	a year ago	4.27 kB
<input type="checkbox"/>	ModelInterpretation - Snow Leopard Detection.ipynb	a year ago	10.5 kB
<input type="checkbox"/>	OpenCV - Pipeline Image Transformations.ipynb	a year ago	7.16 kB
<input type="checkbox"/>	Regression - Flight Delays with DataCleaning.ipynb	a year ago	7.52 kB
<input type="checkbox"/>	Regression - Auto Imports.ipynb	a year ago	10.6 kB
<input type="checkbox"/>	Regression - Flight Delays.ipynb	a year ago	4.72 kB
<input type="checkbox"/>	Regression - Vowpal Wabbit vs. Linear Regressor.ipynb	a year ago	12.1 kB
<input type="checkbox"/>	SparkServing - Deploying a Classifier.ipynb	a year ago	5.64 kB
<input type="checkbox"/>	TextAnalytics - Amazon Book Reviews with Word2Vec.ipynb	a year ago	6.16 kB
<input type="checkbox"/>	TextAnalytics - Amazon Book Reviews.ipynb	a year ago	4.64 kB
<input type="checkbox"/>	Vowpal Wabbit - Quantile Regression for Drug Discovery.ipynb	a year ago	3.74 kB

1. Type here to search

61°F Sunny 11:48 AM 9/26/2021

Extra Credit:

console.cloud.google.com/kubernetes/pod/us-central1-a/hw2-cluster/default/hw2/events?authuser=1&project=axial-autonomy-326122

Google Cloud Platform My First Project Search products and resources

Kubernetes Engine Pod details REFRESH EDIT DELETE EXPOSE KUBECTL OPERATIONS

Workloads

Services & Ingress

Applications

Configuration

Storage

Object Browser

Migrate to containers

Marketplace

Release Notes

hw2

Message	Reason	First Seen	Last Seen	Count
Started container hw2	Started	Sep 29, 2021, 6:50:56 PM	Sep 29, 2021, 6:50:56 PM	1
Created container hw2	Created	Sep 29, 2021, 6:50:56 PM	Sep 29, 2021, 6:50:56 PM	1
Successfully pulled image "lattice164/hw2" in 587.766434ms	Pulled	Sep 29, 2021, 6:50:56 PM	Sep 29, 2021, 6:50:56 PM	1
Pulling image "lattice164/hw2"	Pulling	Sep 29, 2021, 6:50:55 PM	Sep 29, 2021, 6:50:55 PM	1
Successfully assigned default/hw2 to gke-hw2-cluster-default-pool-d1ac5d2a-0hq	Scheduled	Sep 29, 2021, 6:50:54 PM	Sep 29, 2021, 6:50:54 PM	1
Scaled up replica set hw2-6949d9f4c to 3	ScalingReplicaSet	Sep 29, 2021, 6:20:47 PM	Sep 29, 2021, 6:20:47 PM	1

CLOUD SHELL Terminal (axial-autonomy-326122) Open Editor

```
Search the Docker Hub for images
start Start one or more stopped containers
stats Display a live stream of container(s) resource usage statistics
stop Stop one or more running containers
tag Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
top Display the running processes of a container
unpause Unpause all processes within one or more containers
update Update configuration of one or more containers
version Show the Docker version information
wait Block until one or more containers stop, then print their exit codes

Run 'docker COMMAND --help' for more information on a command.

To get more help with docker, check out our guides at https://docs.docker.com/guides/
lattice164studio@cloudshell: (axial-autonomy-326122) $ docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
lattice164studio@cloudshell: (axial-autonomy-326122) $ docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
https://console.cloud.google.com/kubernetes/pod/us-central1-a/hw2-cluster/default/hw2/events?authuser=1&project=axial-autonomy-326122
```

Type here to search

68°F Sunny 6:59 PM 9/29/2021