

## ASSIGNMENT-4

### Docker and Kubernetes

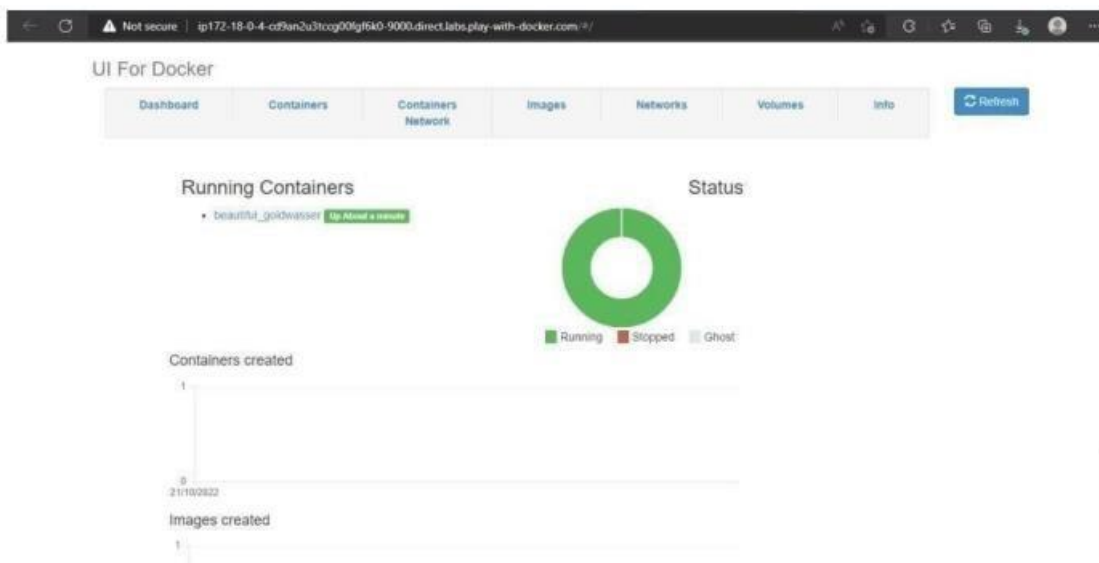
Assignment Date	23 <sup>rd</sup> Oct 2022
Student Name	G.KAVINMALAR
Team ID	PNT2022TMID25979
Maximum Marks	2 Marks

1. Pull an image from Docker hub and run it in Docker playground

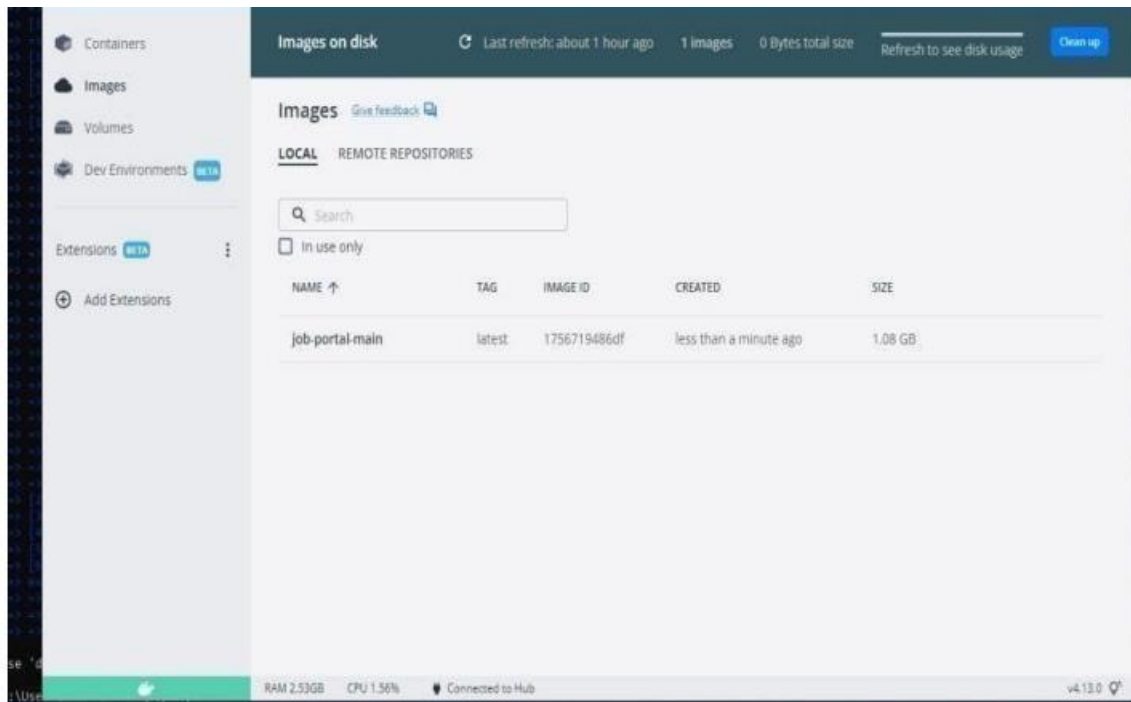
The screenshot displays the Docker Hub page for the repository `uifd/ui-for-docker`, which is marked as deprecated. It shows the Docker pull command: `docker pull uifd/ui-for-docker`.

Below this, a Docker Playground session is shown. The session ID is `cd9an2u3_cd9av060qau0008hbjs0` and the IP address is `192.168.0.13`. The terminal output shows the following commands and results:

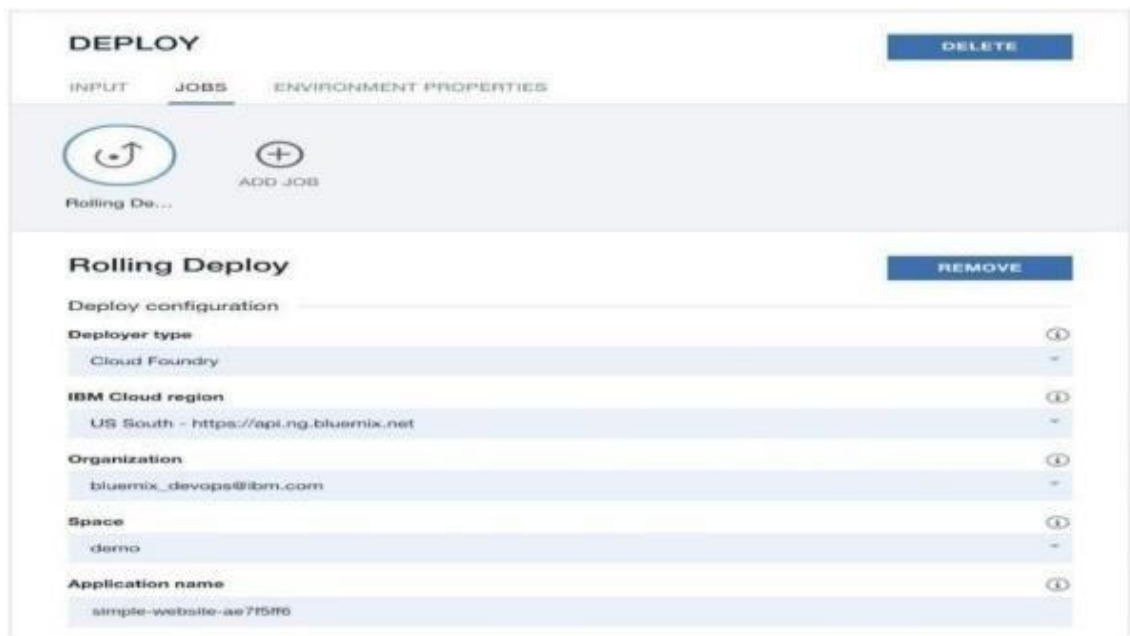
```
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker:
41194d80c8: Pull complete
Digest: sha256:f6371ff5a69549269b24073a5ab1244dd4c8b834cbad24487d572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[container] (local) root@192.168.0.13 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
c590dd163101ae795bdea0eb1dd98f6fe549cb5f24dadb9ff7e1931923fe0d
[container] (local) root@192.168.0.13 ~
```



- [illegible]



3. Create a IBM container registry and deploy Hello world app or Job portal app:



```

1  {
2    "ServiceId": "com.ibm.cloudoe.orion.client.deploy",
3    "Params": {
4      "Target": {
5        "Url": "https://api.ng.bluemix.net",
6        "Org": "bluemix_devops@ibm.com",
7        "Space": "demo"
8      },
9      "Name": "simple-website-ae7f5ff6",
10     "Instrumentation": {}
11   },
12   "Path": "manifest.yml",
13   "Type": "Cloud Foundry"
14 }

```

Hello, IBM Cloud World!

4. Create a Kubernetes cluster in IMB cloud and deploy Hello world image or job portal image and also expose the same app to run node port

# Hello World!

Thanks for creating an [IBM Cloud Databases for PostgreSQL](#) database.

## Add a word to the database

The word  is defined as

## Database output

```

The word bye is defined as a goodbye
The word bye is defined as a farewell
The word hello is defined as a greeting
The word hello is defined as a greeting
The word hello bob is defined as a greeting
The word hello bob is defined as a greeting

```