

ASSIGNMENT-4

Docker and Kubernetes

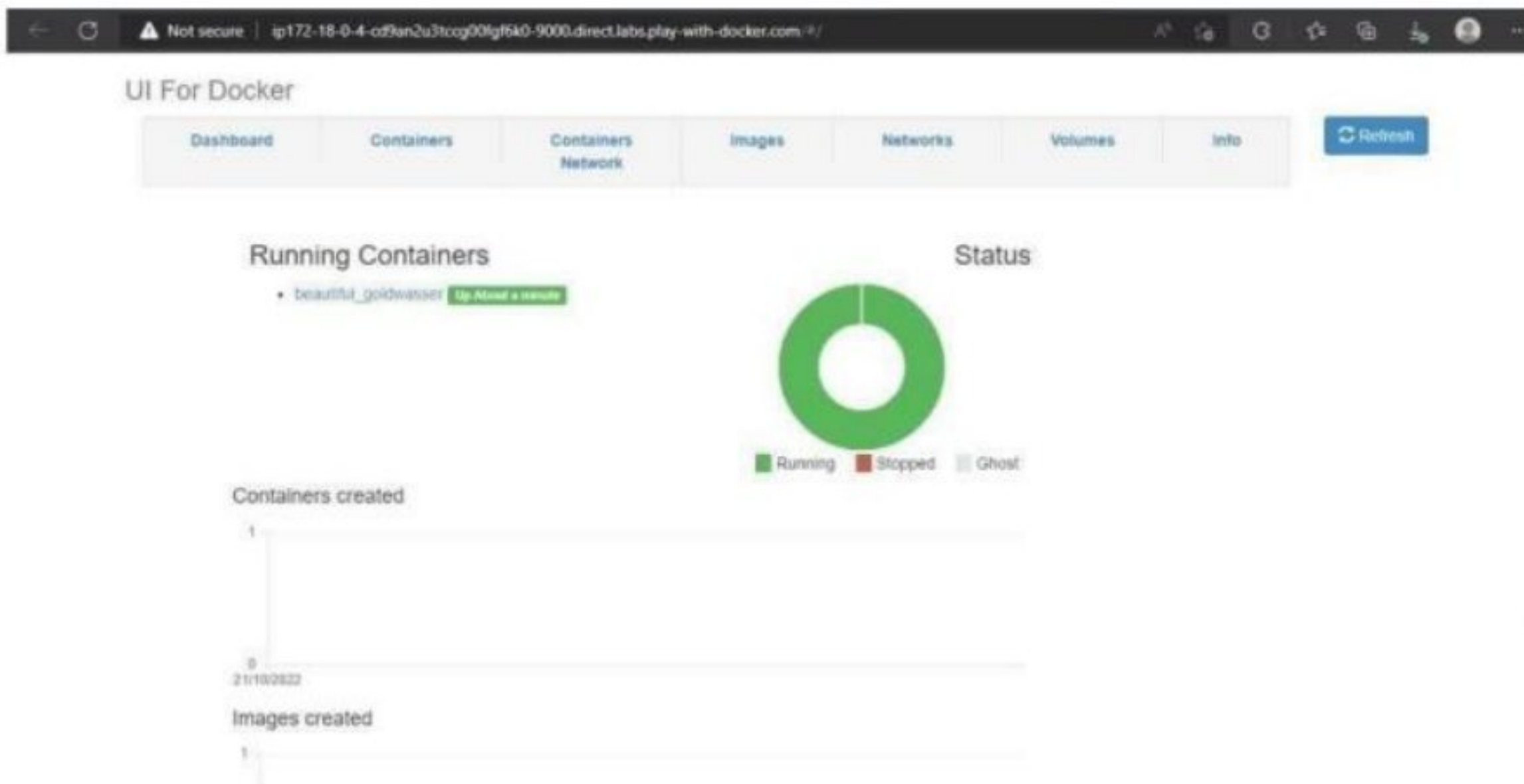
Team ID	PNT2022TMID52257
Project Name	Smart Fashion Recommender Application

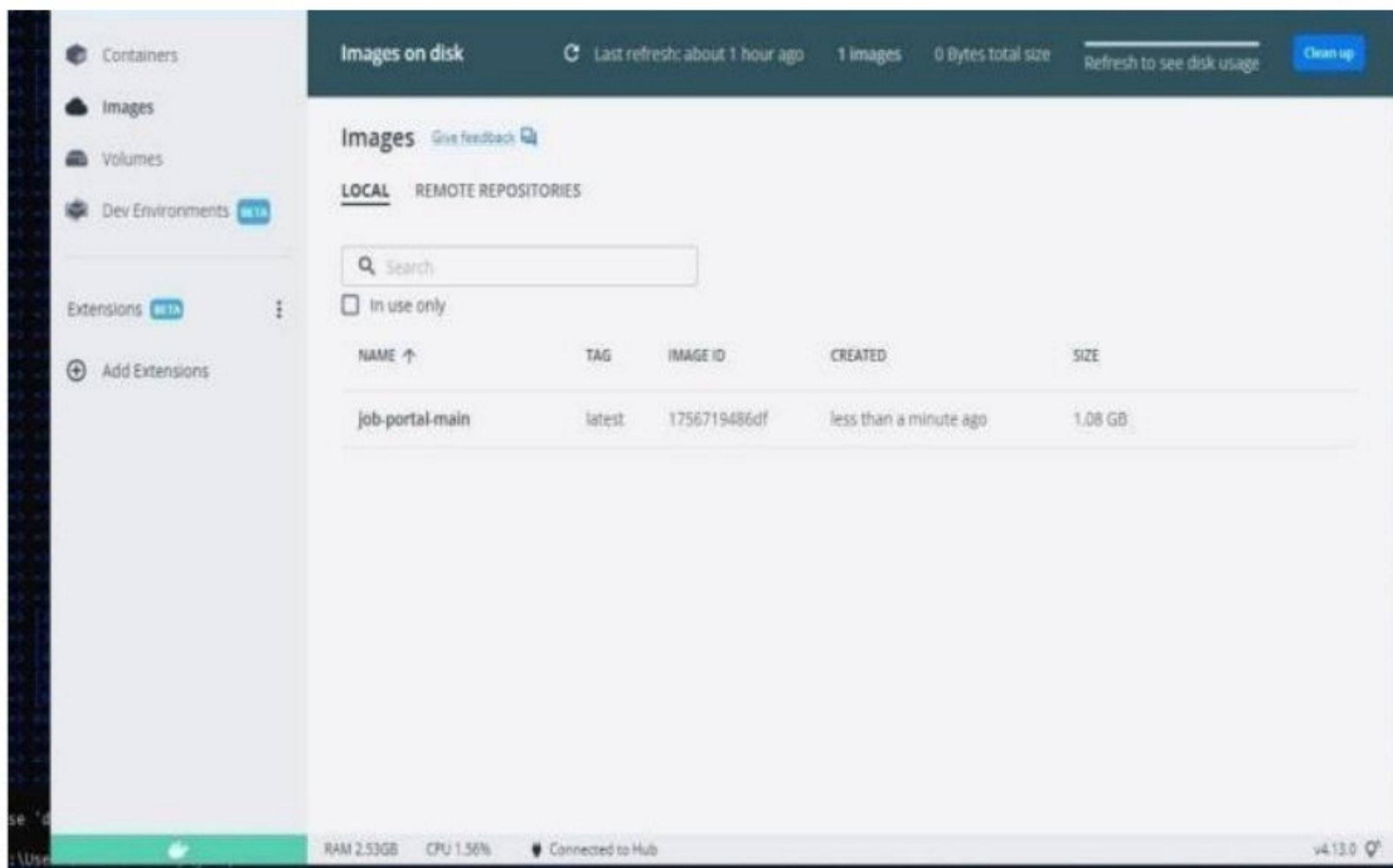
1. Pull an image from docker hub and run it in docker playground:

The screenshot displays the Docker Hub page for the repository `uifd/ui-for-docker`. The repository is marked as deprecated, with a note stating: "This repo is deprecated. Development continues at: portainer/portainer". A Docker Pull Command box shows the command: `docker pull uifd/ui-for-docker`.

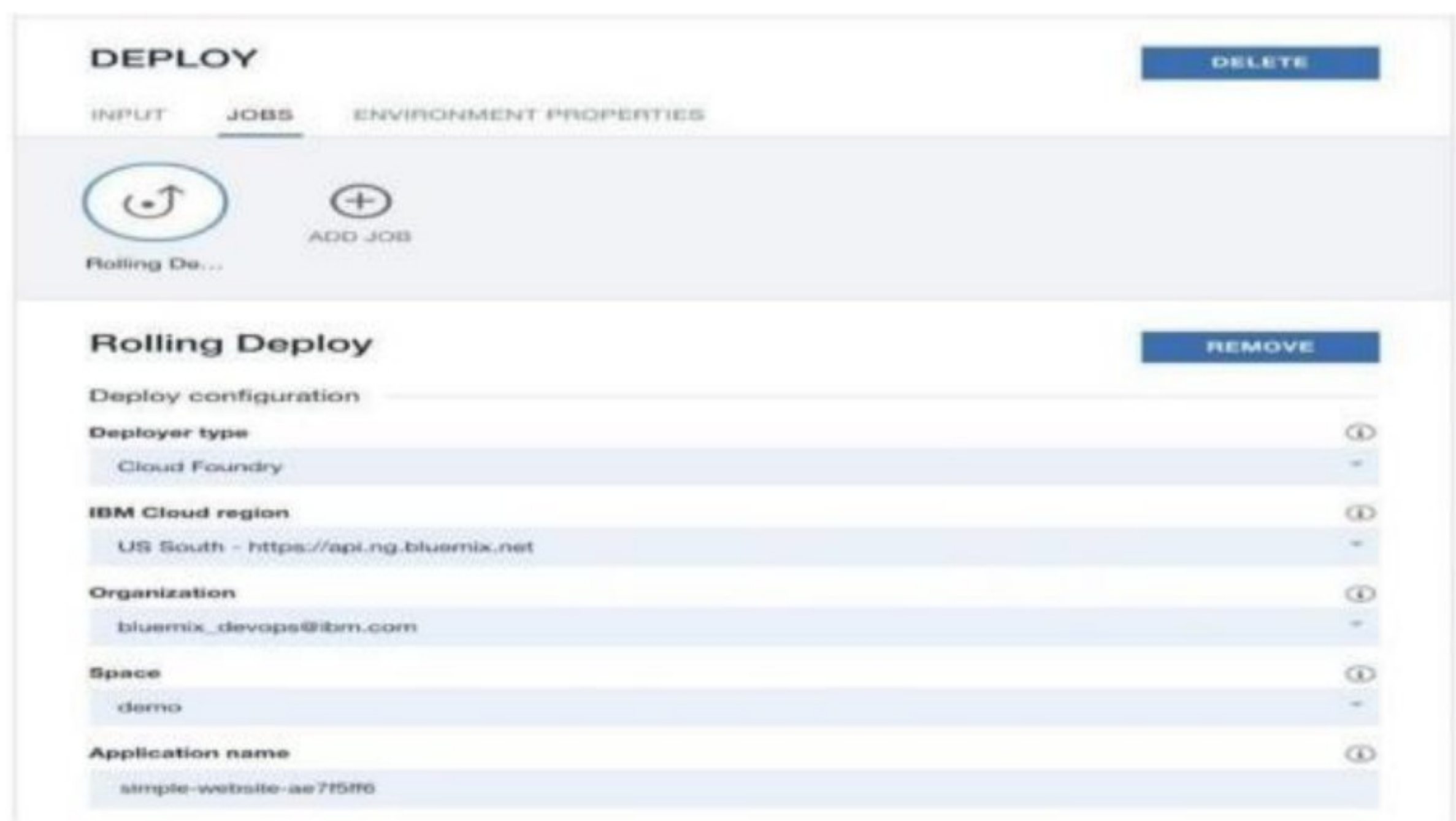
Below the Docker Hub page, the Docker Playground interface is shown. The instance name is `cd9an2u3_cd9av060qau0008hbjs0`. The IP address is `192.168.0.13`. The terminal output shows the following commands and their results:

```
# This is a sandbox environment. Using personal credentials
# is HIGHLY discouraged. Any consequences of doing so are
# completely the user's responsibilities.
#
# The FWD team.
#####
[rook1] (local) root@192.168.0.13 ~
# docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker:
841194d000c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244d4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[rook1] (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
c590dd163101ee795bdcea0eb1ddd93f6fe549cb5f24dab9ff7e1931923fe0d
[rook1] (local) root@192.168.0.13 ~
```

[illegible]



3.Create a IBM container registry and deploy helloworld app or jobportal 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 IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run nodeport:

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

```