

ASSIGNMENT 4

DOCKER AND KUBERNETS

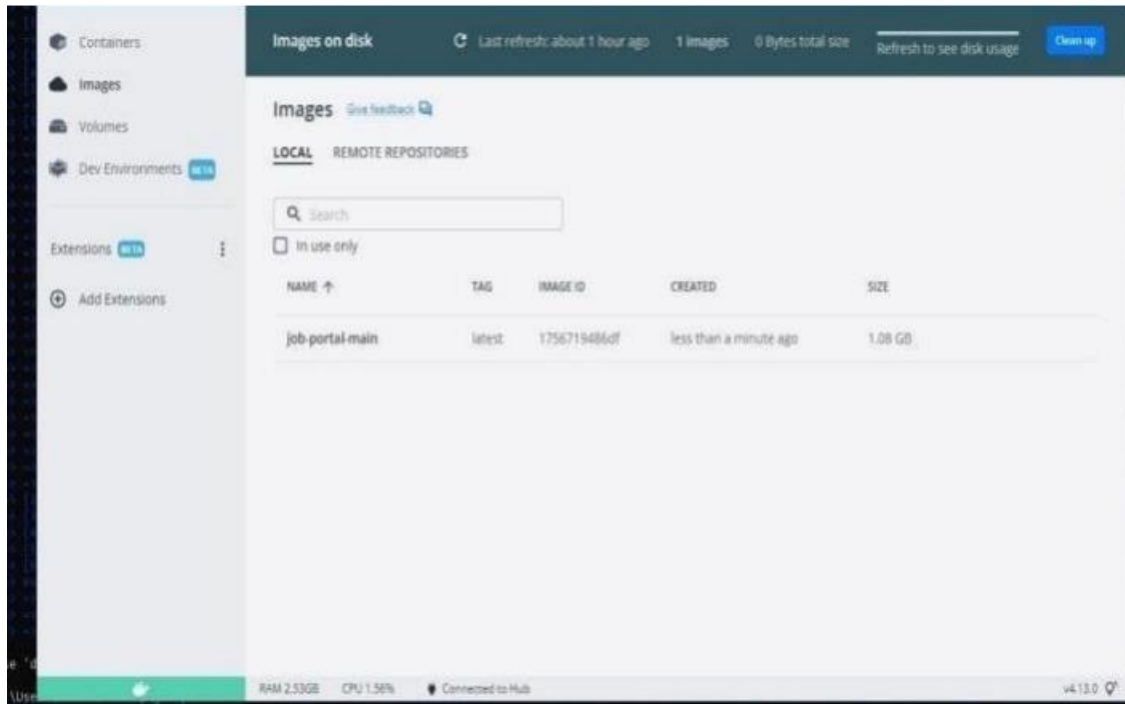
Team ID	PNT2022TMID52252
Project Name	Customer Care Registry

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

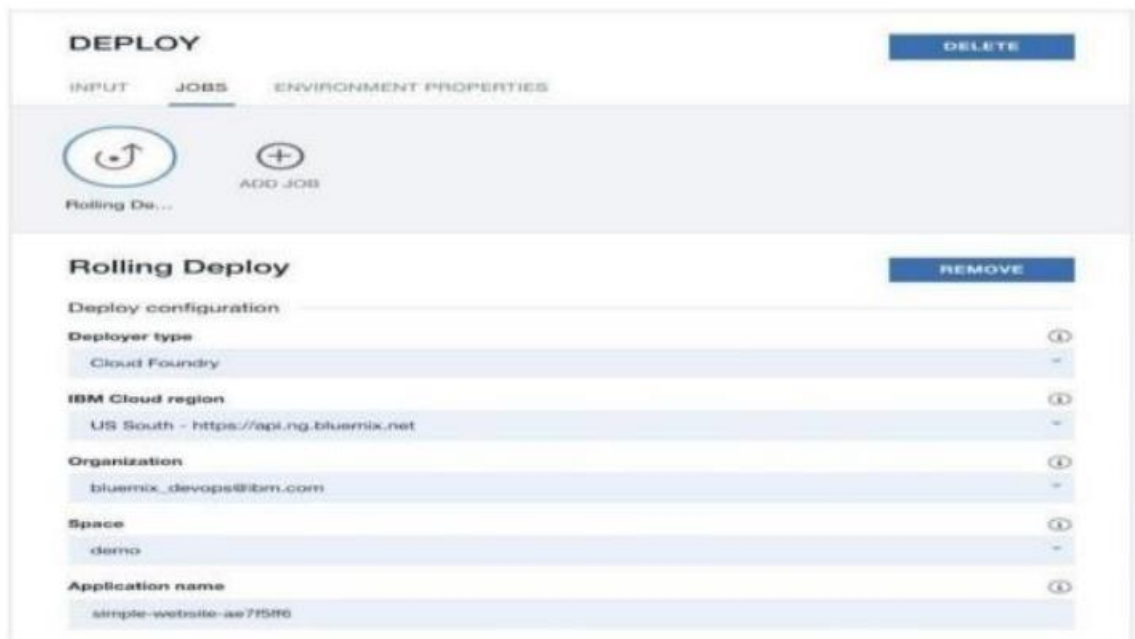
The screenshot displays the Docker Hub page for the `uifd/ui-for-docker` repository. The repository is marked as deprecated, with a note stating: "This repo is deprecated. Development continues at [portainer/portainer](#)". The Docker Pull Command is shown as `docker pull uifd/ui-for-docker`.

Below the Docker Hub page, a Docker Playground interface is visible. The playground shows a terminal window with the following commands and output:

```
root@192.168.0.13 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
441194d00d8: Pull complete
Digest: sha256:fe371ff5e69549263b24072a5ab1244d4c0b34cbdf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
root@192.168.0.13 ~
$ docker run -d -p 9090:9090 --privileged --v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
c530dd163101ae73bdc6ad6b1d4498f6fe549cb5f24desh9ff7c1931923f0d
root@192.168.0.13 ~
```

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 IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

