

## Assignment -4

### Docker and Kubernetes

#### 1. Pull an image from docker hub and run it in docker Playground

The screenshot displays two web interfaces. The top interface is Docker Hub, showing the repository `uifd/ui-for-docker` by `uifd`. It includes a description: "A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features." and a "Quickstart" section with commands to pull and run the image. The bottom interface is Docker Playground, showing a terminal session where the image is pulled and run. The terminal output shows the image being pulled from Docker Hub and then running successfully.

**Docker Hub Repository: uifd/ui-for-docker**

This repo is deprecated. Development continues at: [portainer/portainer](#)

UI For Docker is a web interface for the Docker Remote API. The goal is to provide a pure client side implementation so it is effortless to connect and manage docker.

**Goals**

- Minimal dependencies - I really want to keep this project a pure HTML/JS app
- Consistency - The web UI should be consistent with the commands found on the docker CLI

**Quickstart**

- Run `docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker`
- Open your browser to `http://<dockerd host>:9000`

**Docker Pull Command**

```
docker pull uifd/ui-for-docker
```

**Docker Playground Instance: cd9an2u3\_cd9av060qau0008hbjs0**

IP: 192.168.0.13

Memory: CPU

SSH: `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`

**Terminal Output:**

```
# 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. #
#####
[node1] (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[node1] (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
c590dd163101ae795bdcea0eb1ddd98f6fe549cb5f24dadb9ff7c1931923fc0d
[node1] (local) root@192.168.0.13 ~
$
```

UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

# UI For Docker


The UI for Docker container engine

Learn more.

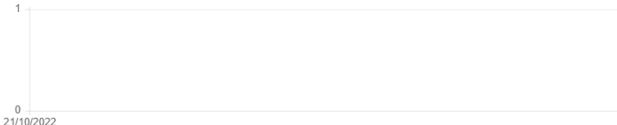
Running Containers

- beautiful\_goldwasser Up About a minute

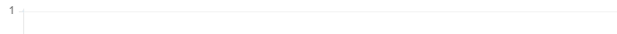
Status



Containers created

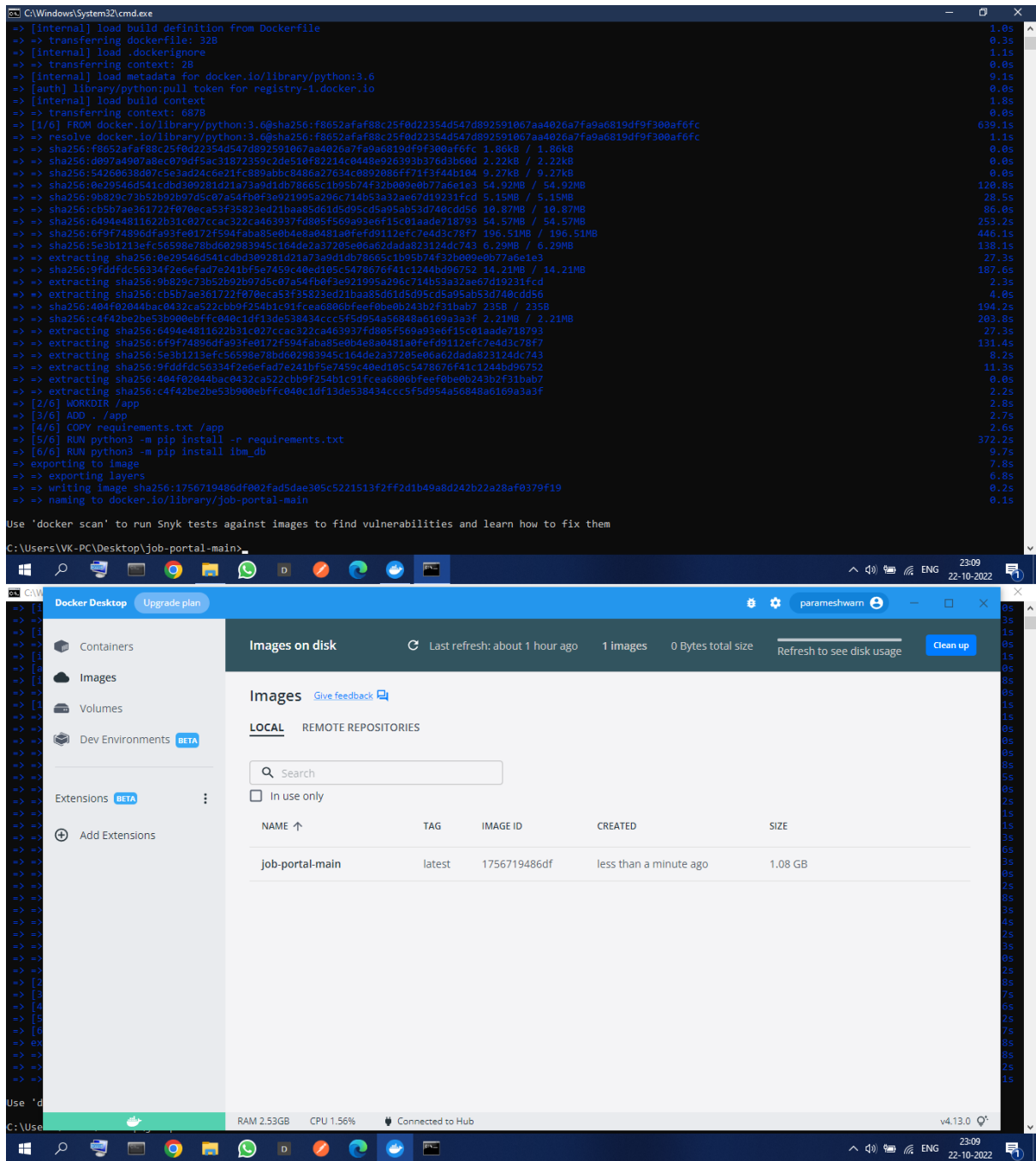


Images created



Running Stopped Ghost

2. Create a docker file for the job portal application and deploy it in Docker desktop application



### 3. Create a IBM container registry and deploy helloworld app