

Assignment -4

Docker and Kubernetes

Assignment Date	21 October 2022
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Student Roll Number	622119105025
Maximum Marks	2 Marks

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

The screenshot shows two browser windows. The top window is Docker Hub, displaying the repository page for `uifd/ui-for-docker`. The page indicates the repository is deprecated and suggests using `portainer/portainer` instead. It shows a pull count of 10M+ and a 'Pulls' button. The bottom window is Docker Playground, showing a session with IP `192.168.0.13`. The terminal output shows the command `docker pull uifd/ui-for-docker` being executed, which successfully pulls the latest image from Docker Hub. The terminal also shows the command `docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker` being executed, which starts the container in the background.

Docker Hub Page:

- Repository: `uifd/ui-for-docker`
- By `uifd` • Updated 6 years ago
- A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features.
- Tags: `Other`, `Image`
- Overview
- UI For Docker: This repo is deprecated. Development continues at: [portainer/portainer](#)
- Goals
- Docker Pull Command: `docker pull uifd/ui-for-docker`

Docker Playground Session:

- Session ID: `cd9an2u3_cd9av060qau0008hbjs0`
- IP: `192.168.0.13`
- Memory: `192.168.0.13`
- CPU: `192.168.0.13`
- SSH: `ssh ip172-18-0-4-cd9an2u3tccg00fg6k0@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 PWD 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:fe371ff5a69549269b24073a5ab1244dd4c0b834cbad244870572150b1cb749
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
c590d4163101ac795bdeea0eb1dd98f6fe549cb5f24dab9ff7c1931923fc0d
[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.

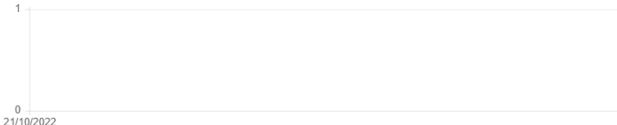
Running Containers

- beautiful_goldwasser Up About a minute

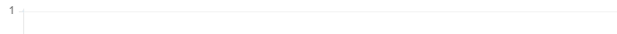
Status



Containers created

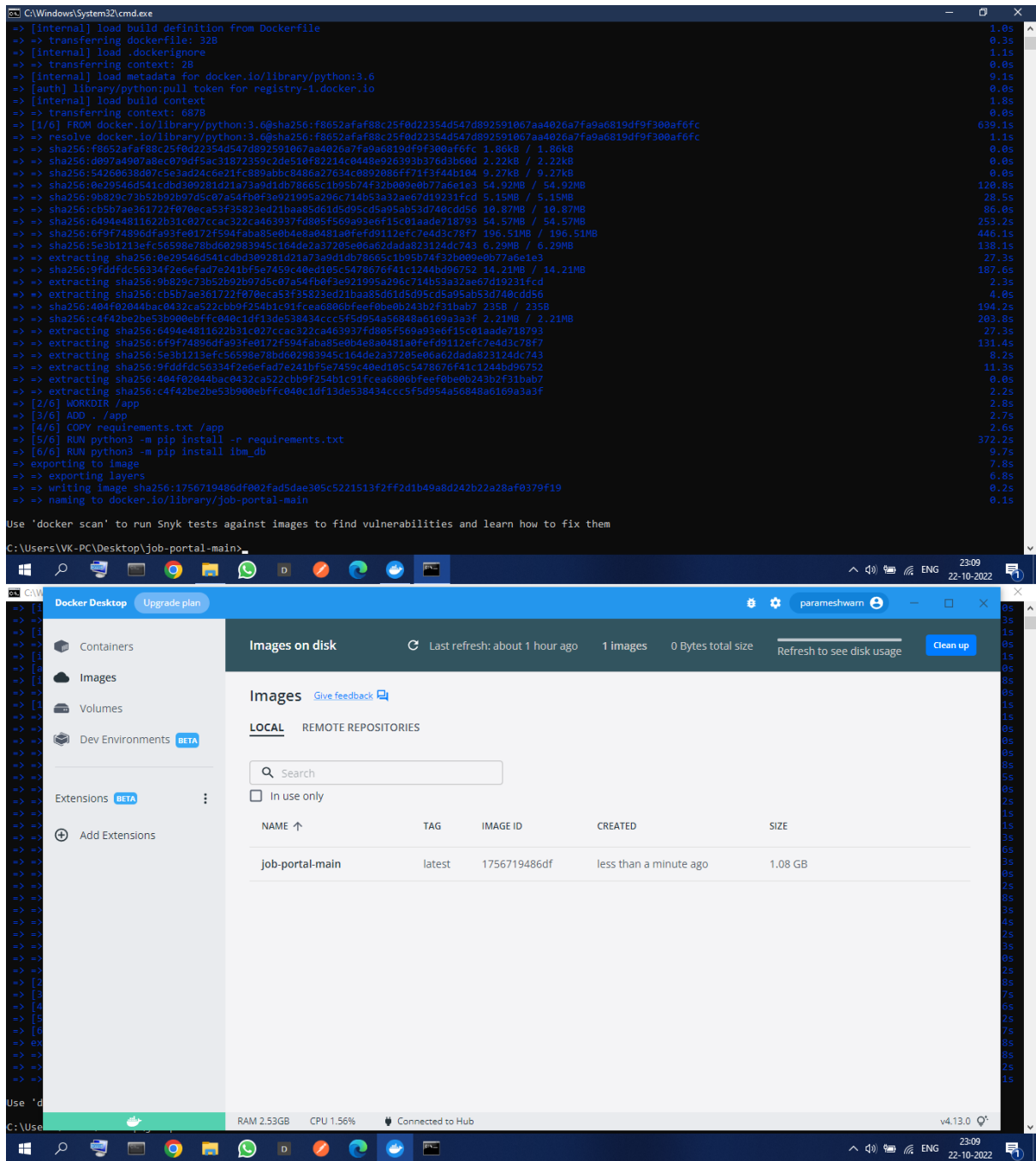


Images created



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