

Assignment -4

Docker and Kubernetes

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

The screenshot displays the Docker Playground interface. At the top, the 'uifd/ui-for-docker' repository is shown, noting it is deprecated and suggesting Portainer. Below this, the 'Overview' tab is active, showing a description of the UI For Docker project. To the right, the 'Docker Pull Command' is displayed as `docker pull uifd/ui-for-docker`.

The main interface shows a terminal window with the following commands and 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
c590dd163101ae795bdcea0eb1dd498f6fe549cb5f24dab9ff7c1931923fc0d
[node1] (local) root@192.168.0.13 ~
$
```

The terminal output shows the successful pull of the `uifd/ui-for-docker:latest` image and its execution in a privileged container with port 9000 mapped to 9000.

UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

UI For Docker


The UI for Docker container engine

Learn more.

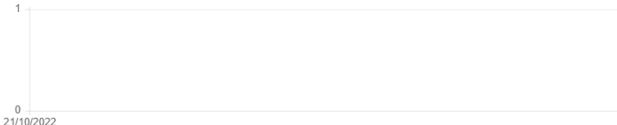
Running Containers

- beautiful_goldwasser Up About a minute

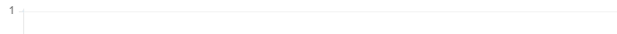
Status



Containers created

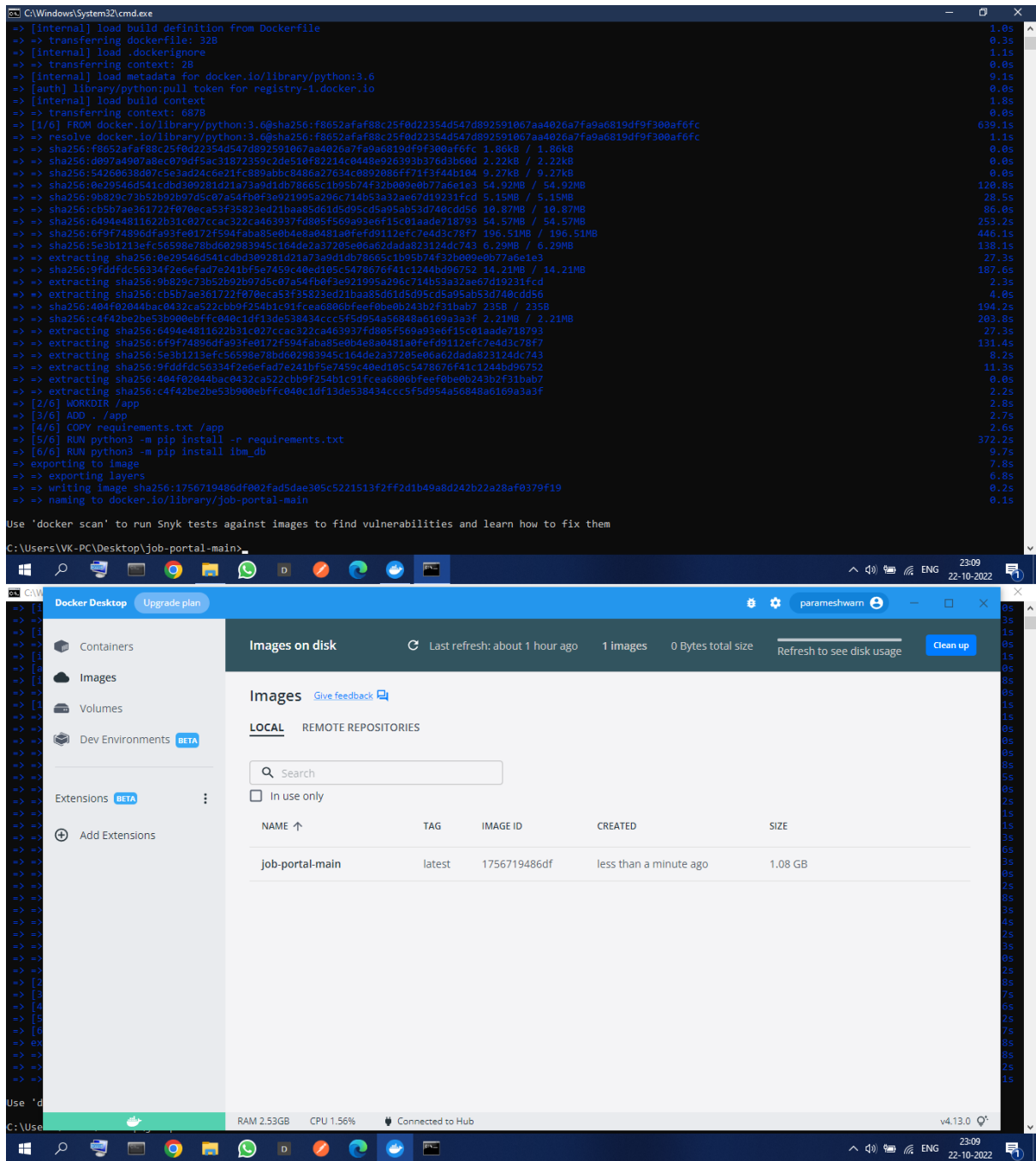


Images created



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