

Assignment -4

Docker and Kubernetes

Assignment Date	10 NOVEMBER 2022
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Maximum Marks	2 Marks

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

The screenshot shows a web browser with two tabs. The first tab is Docker Hub, displaying the repository page for `uifd/ui-for-docker`. The repository is marked as deprecated, with a note stating: "A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features." The Docker Pull Command is shown as `docker pull uifd/ui-for-docker`.

The second tab is Docker Playground, showing a session titled `cd9an2u3_cd9av060qau0008hbjs0`. The interface includes a sidebar with a timer (03:42:30), a "CLOSE SESSION" button, and a list of instances. The main area displays the IP address `192.168.0.13` and an "OPEN PORT" button. Below this, the SSH command is provided: `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. A terminal window at the bottom shows the execution of the Docker pull command and the subsequent run command:

```
# 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
c590dd163101ae795bdeea0b1ddd98f6fe549cb5f24dadb9ff7c1931923fc0d
[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



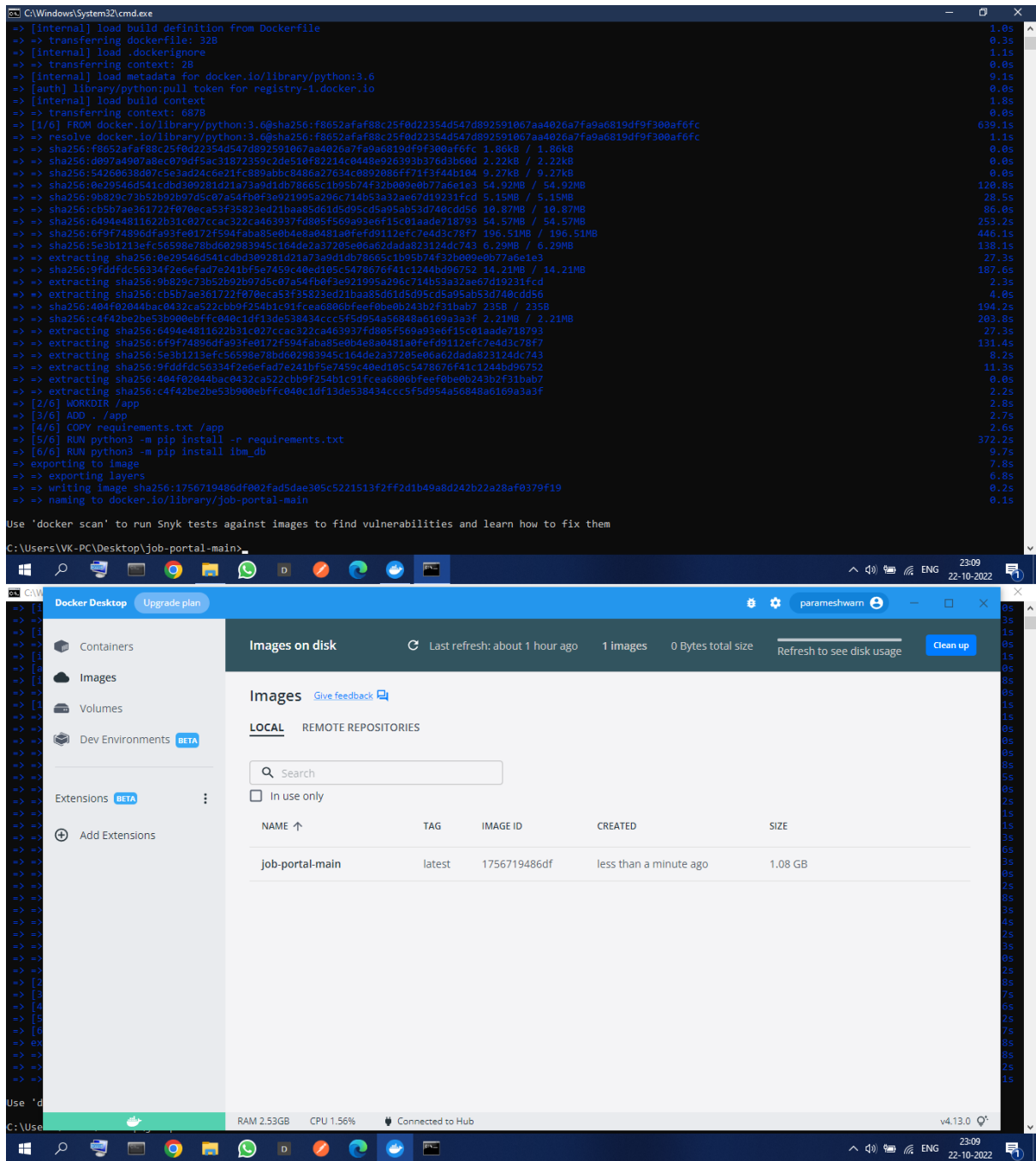
Containers created



Images created



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