


Assignment -4

Docker and Kubernetes

Assignment Date	21 October 2022
Student Name	Mr. Madesh Kumar A
Student Roll Number	711319CS080
Maximum Marks	2 Marks

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

Explore **uifd/ui-for-docker**



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.
[Other](#) [Image](#)

Pulls 10M+

Overview Tags

UI For Docker



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

[chat on gitter](#)

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.

Docker Pull Command

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


03:42:30
CLOSE SESSION
Instances  
+ ADD NEW INSTANCE

192.168.0.13
node1

cd9an2u3_cd9av060qau0008hbjs0

IP
192.168.0.13 [OPEN PORT](#)

Memory CPU

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

[DELETE](#) [EDITOR](#)

```
# 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: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
c590dd163101ae795bdcea0eb1dd498f6fe549eb5f24dadb9ff7c1931923fc0d
(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.

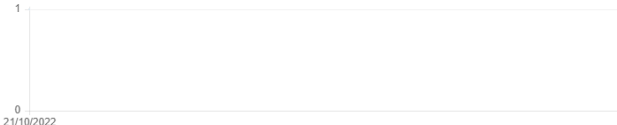
Running Containers

- beautiful_goldwasser Up About a minute

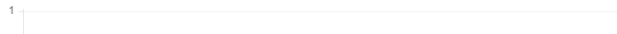
Status



Containers created

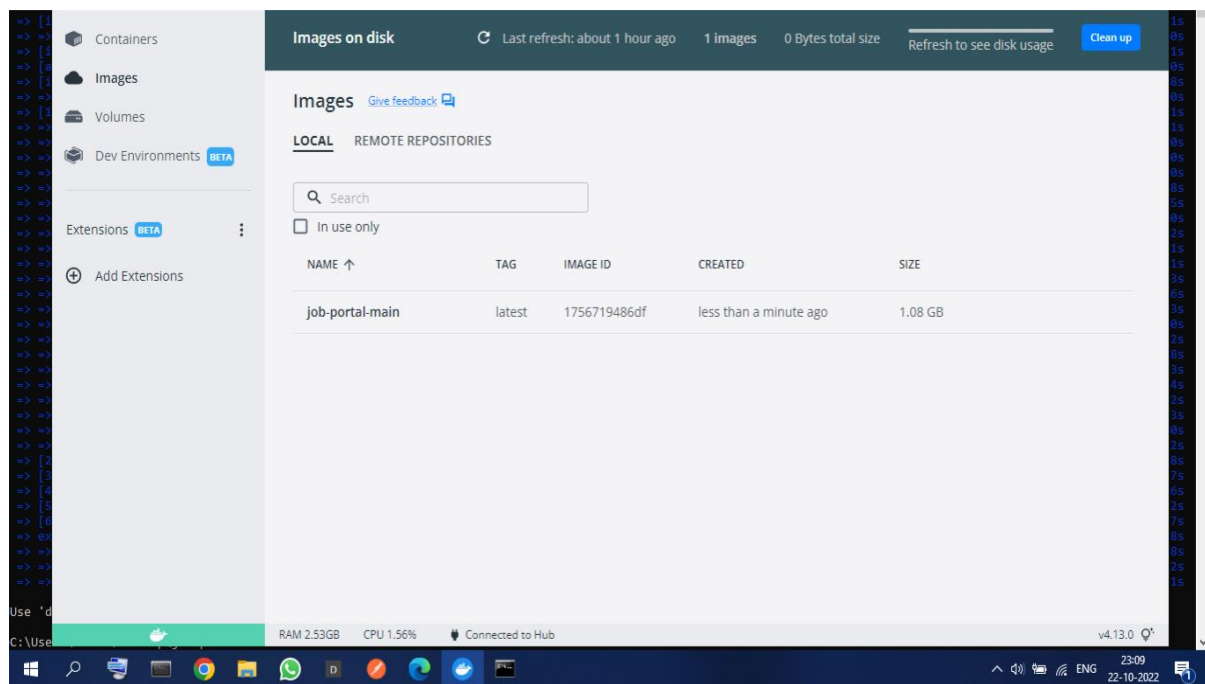


Images created



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

```
C:\Windows\System32\cmd.exe
-> [internal] load build definition from Dockerfile
-> => transferring dockerfile: 32B
-> [internal] load .dockerignore
-> => transferring context: 2B
-> [internal] load metadata for docker.io/library/python:3.6
-> [auth] library/python:pull token for registry-1.docker.io
-> [internal] load build context
-> => transferring context: 687B
-> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> => resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> => sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB
-> => sha256:d097a997a8ec079df9a31872359c2d510f82214c0448e926393b376d3b09d 2.22kB / 2.22kB
-> => sha256:5426003b097c533d246e21fc0890bb0486327634c0892006ff71f3f44b104 9.27kB / 9.27kB
-> => sha256:0e29546d541c0bd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB
-> => sha256:9b820c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
-> => sha256:cb5b7ae361722f07eca53f35823ed21baa05d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB
-> => sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB
-> => sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fef9d9112efc7e4d3c78f7 196.51MB / 196.51MB
-> => sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB
-> => extracting sha256:0e29546d541c0bd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 27.35
-> => sha256:9fdddfc5633472a0efad7e241bf5e7459c40ed105c5478076f41c1244b906752 14.21MB / 14.21MB
-> => extracting sha256:9b820c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 2.35
-> => extracting sha256:cb5b7ae361722f07eca53f35823ed21baa05d61d5d95cd5a95ab53d740cdd56 4.06
-> => sha256:404f02044bac0432ca522cbb9f254b1c91fcea6080bfeef0be0b243b2f31bab7 235B / 235B
-> => sha256:c4f42be2be53b900ebffc040c1df13de53843ccc5f5d954a5684ba169a3a3f 2.21MB / 2.21MB
-> => extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 27.35
-> => extracting sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fef9d9112efc7e4d3c78f7 131.45
-> => extracting sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 8.25
-> => extracting sha256:9fdddfc5633472a0efad7e241bf5e7459c40ed105c5478076f41c1244b906752 11.35
-> => extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6080bfeef0be0b243b2f31bab7 0.06
-> => extracting sha256:c4f42be2be53b900ebffc040c1df13de53843ccc5f5d954a5684ba169a3a3f 2.25
-> [2/6] WORKDIR /app
-> [3/6] ADD . /app
-> [4/6] COPY requirements.txt /app
-> [5/6] RUN python3 -m pip install -r requirements.txt
-> [6/6] RUN python3 -m pip install ibm_db
-> => exporting layers
-> => writing image sha256:1756719486df002fad5dae305c5221513f2ff2d1b49a8d242b22a28af0379f19
-> => naming to docker.io/library/job-portal-main
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\VK-PC\Desktop\job-portal-main>
```



3. Create a IBM container registry and deploy helloworld app

