

**Assignment -4**  
Docker and Kubernetes

Assignment Date	03 November 2022
Student Name	SURYA A
Student Roll Number	95221903065
Maximum Marks	2 Marks

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

dockerhub

uifd/ui-for-docker

ExploreRepositoriesOrganizationsHelp

Upgrade

parameshwari

Exploreuifd/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.

OtherImage

Overview

Tags

UI For Docker

This repo is deprecated. Development continues at: portainer/portainer

chaton 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.

Goals

Docker Pull Command

docker pull uifd/ui-for-docker

03:42:30

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.13

node1

cd9an2u3\_cd9av060qau0008hbjso

IP

192.168.0.13

OPEN PORT

Memory

CPU

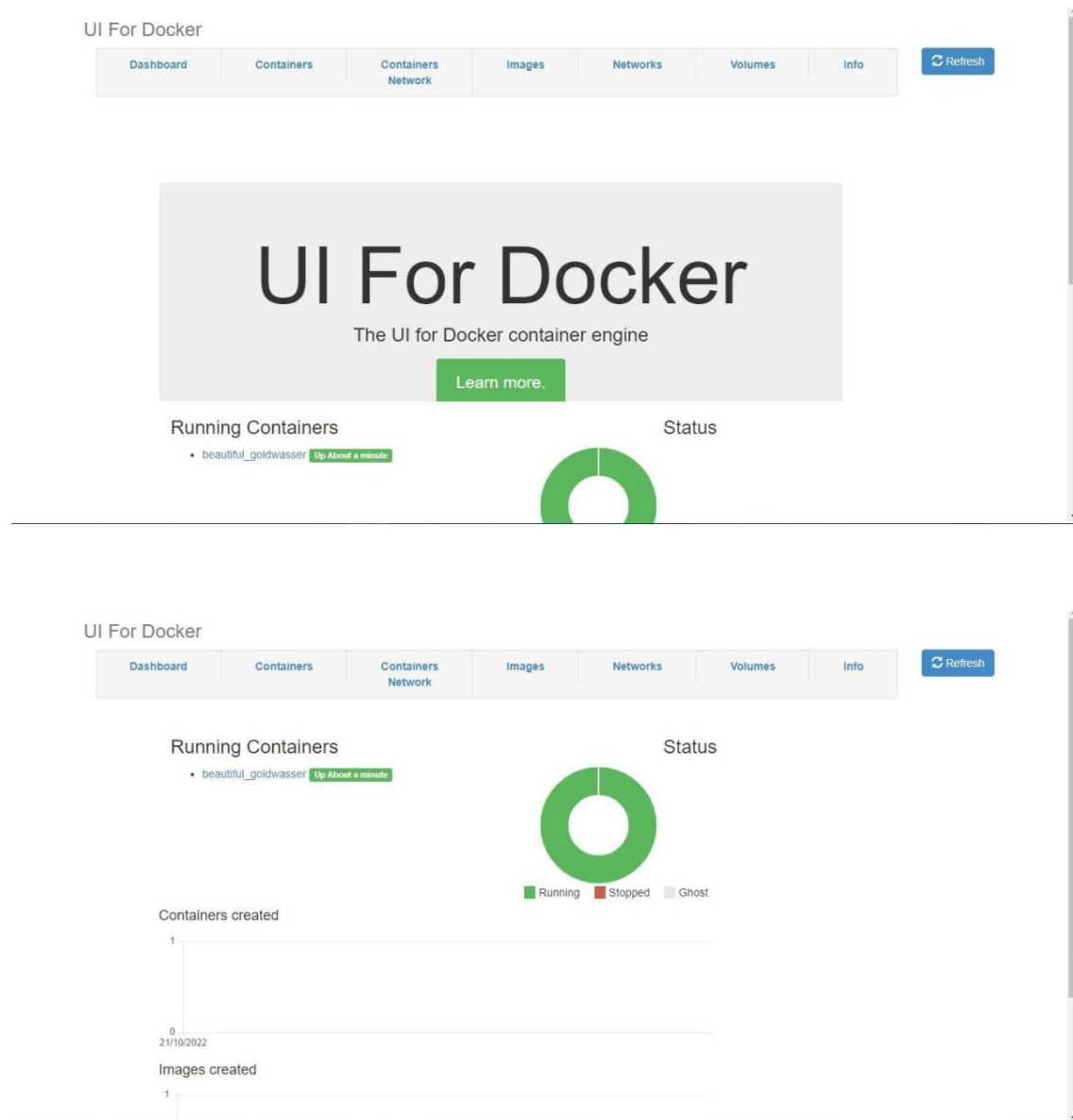
SSH

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

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 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 ~  
\$



**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:3.8
=> [auth] library/python:pull token for registry-1.docker.io
-> [internal] load build context
=> transferring context: 687B
[1/6] FROM docker.io/library/python:3.8@sha256:f8652afaf88c25f8d22354d547d892591867aa4026a7fa9a6819df9f380afefc
=> resolve docker.io/library/python:3.8@sha256:f8652afaf88c25f8d22354d547d892591867aa4026a7fa9a6819df9f380afefc
=> sha256:f8652afaf88c25f8d22354d547d892591867aa4026a7fa9a6819df9f380afefc 1.86kB / 1.86kB
=> sha256:8997a9e7a8c879d45c11b72258c2d810f82114c6448e97e303b37ad3b0e0d 2.22kB / 2.22kB
=> sha256:54298638087c6a3ad24cea21fc889a8b8a26a27234c8802806ff71f9f4ab184 0.27kB / 0.27kB
=> sha256:0e29546d541c8bd389281d21a73a9d1d078665c1b95b74f32b090e0b77aae1e3 54.92MB / 54.92MB
=> sha256:9b829c73b52b92b07d5c07a54fb0f3e921995a296c714b53a32a67d19231fcd 5.15MB / 5.15MB
=> sha256:c95b7ae3b1722f070eac53f35823ed21baa85d61d5d95cd5a95ab53d748cd056 10.87MB / 10.87MB
=> sha256:6494a4811622b11c027cc122c4a63937f800f560a9aef15c01aade710793 54.57MB / 54.57MB
=> sha256:6f9f74286cf2a1f6e172f04f4a6d50baa9a041a9f409112efc7e4d3c78f7 106.51MB / 106.51MB
=> sha256:5e3b1213efc56598e78bd082983845c164de2a37285e06a62dada82124dc743 6.29MB / 6.29MB
=> extracting sha256:0e29546d541c8bd389281d21a73a9d1d078665c1b95b74f32b090e0b77aae1e3
=> sha256:9fd0dc56334f2e0efad7a241bf5e7459c48ed185c5478670f41c1244bd06752 14.21MB / 14.21MB
=> extracting sha256:9b829c73b52b92b07d5c07a54fb0f3e921995a296c714b53a32a67d19231fcd 2.3s
=> extracting sha256:c95b7ae3b1722f070eac53f35823ed21baa85d61d5d95cd5a95ab53d748cd056 4.09s
=> sha256:404f21844bac0432ca522c0baf254b1c91fcae0809fee4b0eb043b7f31bd87 235B / 235B
=> sha256:c4f42be2be53b90e0bffc048c1d0f13de53843acc5f50954a50848a016a3a3f 2.21MB / 2.21MB
=> extracting sha256:6494a4811622b11c027cc122c4a63937f800f560a9aef15c01aade710793 27.3s
=> extracting sha256:6f9f74286cf2a1f6e172f04f4a6d50baa9a041a9f409112efc7e4d3c78f7 131.4s
=> extracting sha256:5e3b1213efc56598e78bd082983845c164de2a37285e06a62dada82124dc743 6.2s
=> extracting sha256:9fd0dc56334f2e0efad7a241bf5e7459c48ed185c5478670f41c1244bd06752 11.3s
=> extracting sha256:404f21844bac0432ca522c0baf254b1c91fcae0809fee4b0eb043b7f31bd87 0.8s
=> extracting sha256:c4f42be2be53b90e0bffc048c1d0f13de53843acc5f50954a50848a016a3a3f 2.2s
[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 to image
=> exporting layers
=> writing image sha256:1756719486df002fad5dae305c5221513f2f2d1b40a0d242b22a28af0379f19
=> naming to docker.io/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>
```

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

Last refresh: about 1 hour ago

1 Images

0 Bytes total size

Refresh to see disk usage

Clean up

Images

Give feedback

LOCAL

REMOTE REPOSITORIES

Search

In use only

NAME	TAG	IMAGE ID	CREATED	SIZE
job-portal-main	latest	1756719486df	less than a minute ago	1.08 GB

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