


Docker and Kubernetes

Assignment Date	21 October 2022
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Maximum Marks	2 Marks

1.Pull an from docker hub and run it 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.

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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.

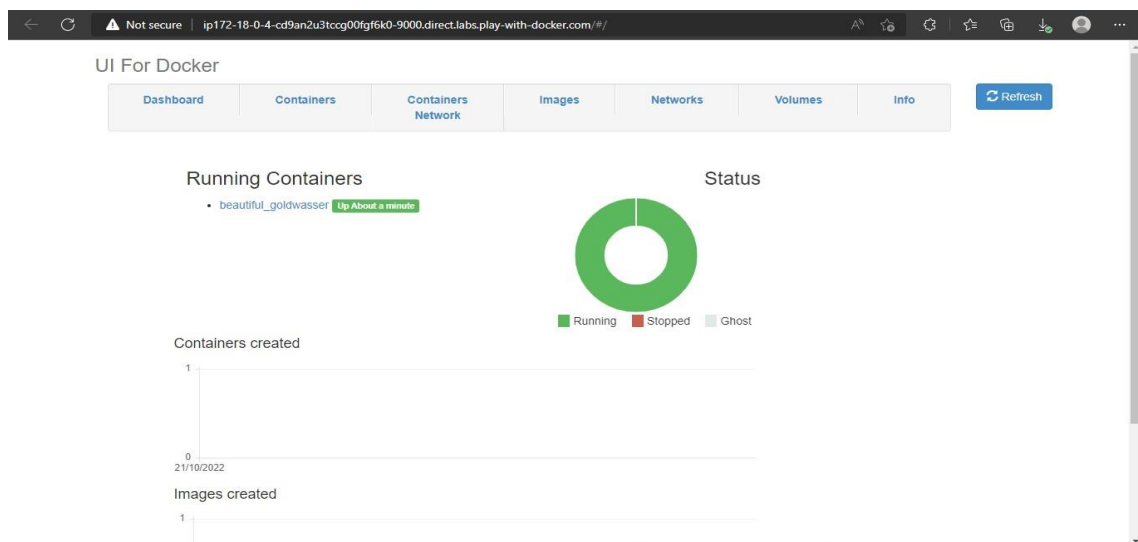
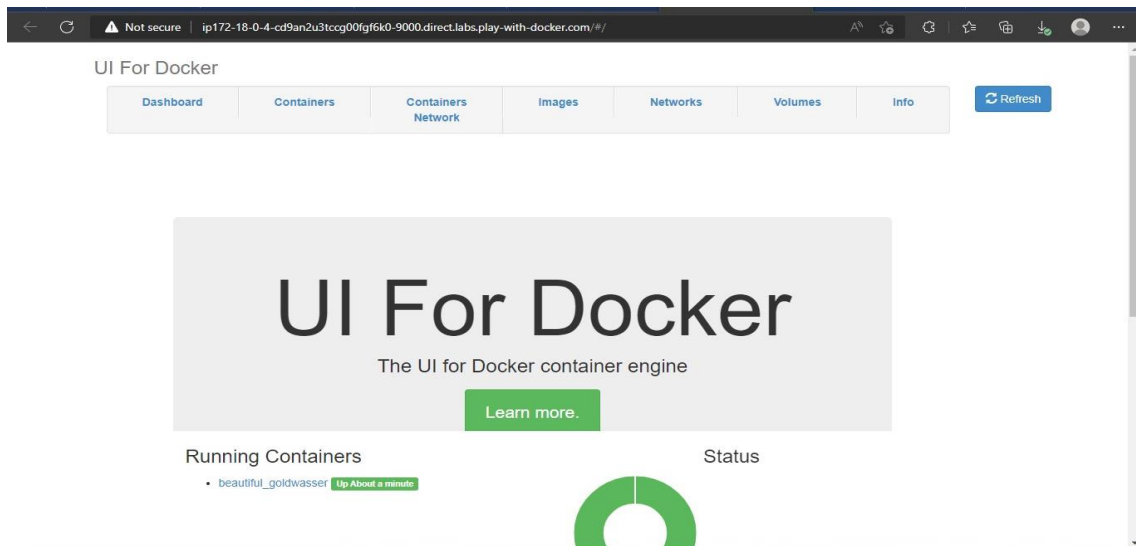
Docker Pull Command

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

The screenshot displays the Labs Play web application interface. At the top, there's a navigation bar with a home icon, a search bar containing "https://labs.play-with-docker.com/", and several utility icons. Below this, a large digital clock shows "03:42:30". A prominent orange button labeled "CLOSE SESSION" is visible. The main section is titled "Instances" and features a wrench and gear icon. Underneath, a list of instances shows one instance named "node1" with IP address "192.168.0.13". To the right, a detailed view of this instance is shown, including its IP "192.168.0.13", an "OPEN PORT" button, resource allocation ("Memory", "CPU"), and an SSH command: "ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w". Below the command are "DELETE" and "EDITOR" buttons. The bottom half of the screen shows a terminal window with the following 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.                                           #
#####                                                    #
[muel] (local) root@192.168.0.13 ~
$ docker pull uid/ui-for-docker
Using default tag: latest
latest: Pulling from uid/ui-for-docker
41194d080cd: Pull complete
Digest: sha256:fe371fffae9549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uid/ui-for-docker:latest
[muel] (local) root@192.168.0.13 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uid/ui-for-docker
c590dd163101ae795bdcae0eb1ddd98f6fe549cb5f24dacb9ff7c1931923fc0d
[muel] (local) root@192.168.0.13 ~
```

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

```
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:f8652aaf88c25f8d223e4d547d892591067aa4026a7fa9a6810df9f30a6f6c
-> resolve docker.io/library/python:3.6@sha256:f8652aaf88c25f8d223e4d547d892591067aa4026a7fa9a6810df9f30a6f6c
-> sha256:f8652aaf88c25f8d223e4d547d892591067aa4026a7fa9a6810df9f30a6f6c 1.86kB / 1.86kB
-> sha256:d097a4987a8ec079df5ac31872359c3de510f82214c0448e926393b176d3b60d 2.22kB / 2.22kB
-> sha256:54200638d07c5e3ad24c6e21fc889abb8486a27634c0892086ff71f3f44b104 9.27kB / 9.27kB
-> sha256:0e29546d541c8bd309281d21a73a0d1db78665c1b05b74f32b009e0b77ae1e3 54.92MB / 54.92MB
-> sha256:9b029c73b52b02b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
-> sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB
-> sha256:6494ee4811622b31c027ccac322ca463937f0805f560a93e0f15c01aade718793 54.57MB / 54.57MB
-> sha256:6f9f74806dfc93f0e0172f594fab0a5e084db0e481a0ef09112efc7e44d3c70f7 106.51MB / 106.51MB
-> sha256:5e3b1213efc56598e78bd602983945c164de2a37285e06a62dada823124dc743 6.29MB / 6.29MB
-> extracting sha256:0e29546d541c8bd309281d21a73a0d1db78665c1b05b74f32b009e0b77ae1e3
-> sha256:9fd0fd56334f2a6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB
-> extracting sha256:9b029c73b52b02b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 2.3s
-> extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 4.0s
-> sha256:404f02044bac0432ca522cb09f254b1c91fcea6800bfeef0be0b243b2f31bab7 235B / 235B
-> sha256:c4f42be2be53b900ebffc048c1df13de538434ccc5f5d954a5684a6169a3a3f 2.21MB / 2.21MB
-> extracting sha256:6494ee4811622b31c027ccac322ca463937f0805f560a93e0f15c01aade718793 27.3s
-> extracting sha256:6f9f74806dfc93f0e0172f594fab0a5e084db0e481a0ef09112efc7e44d3c70f7 131.4s
-> extracting sha256:5e3b1213efc56598e78bd602983945c164de2a37285e06a62dada823124dc743 5.2s
-> extracting sha256:9fd0fd56334f2a6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 11.3s
-> extracting sha256:404f02044bac0432ca522cb09f254b1c91fcea6800bfeef0be0b243b2f31bab7 0.0s
-> extracting sha256:c4f42be2be53b900ebffc048c1df13de538434ccc5f5d954a5684a6169a3a3f 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 sha256:175671940edf002fad5dae305c5221513f2ff2d1b49a8d242b228af0379f19
-> 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>
```

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

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

RAM 2.53GB CPU 1.56% Connected to Hub

v4.13.0