

Assignment -4

Docker and Kubernetes

Assignment Date	21 October 2022
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Maximum Marks	2 Marks

• Pull an image from docker hub and run it in docker Playground

The screenshot shows a web browser with two tabs: 'uifd/ui-for-docker - Docker' and 'Docker Playground'. The 'uifd/ui-for-docker' tab displays the Docker Hub page for the repository 'uifd/ui-for-docker'. The page indicates it is deprecated and suggests using Portainer for new features. The 'Overview' tab is selected, showing a description of the repository and a 'chat on gitter' link. The 'Tags' tab is also visible.

The 'Docker Playground' tab shows a terminal window with the following commands and output:

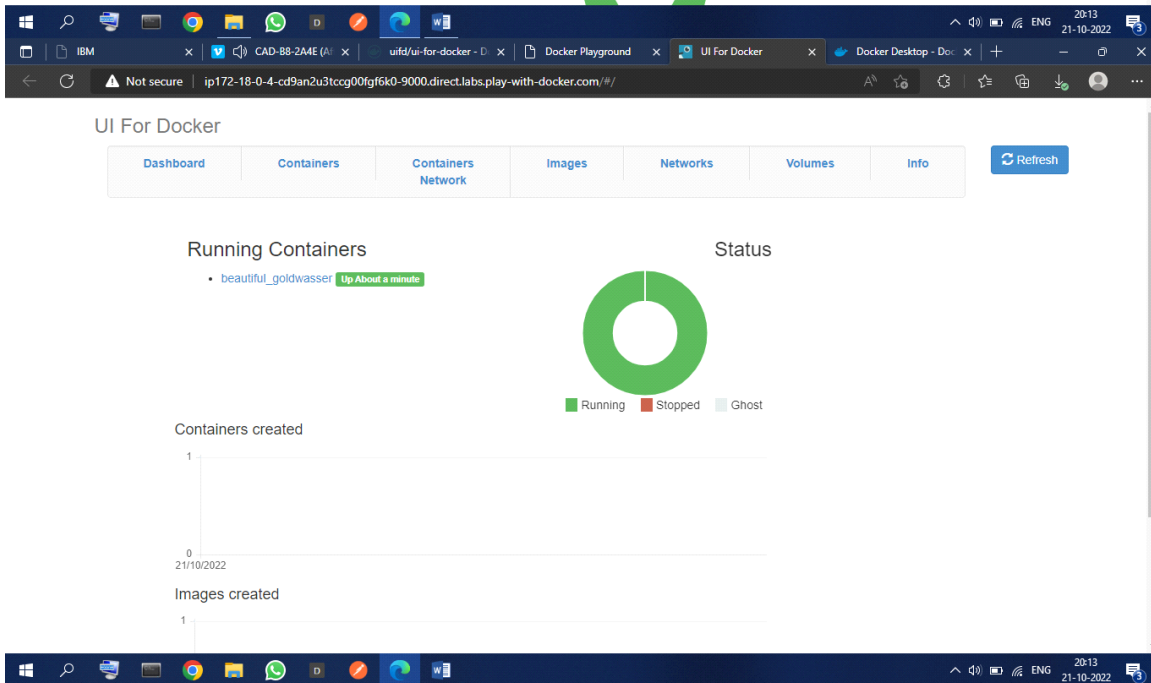
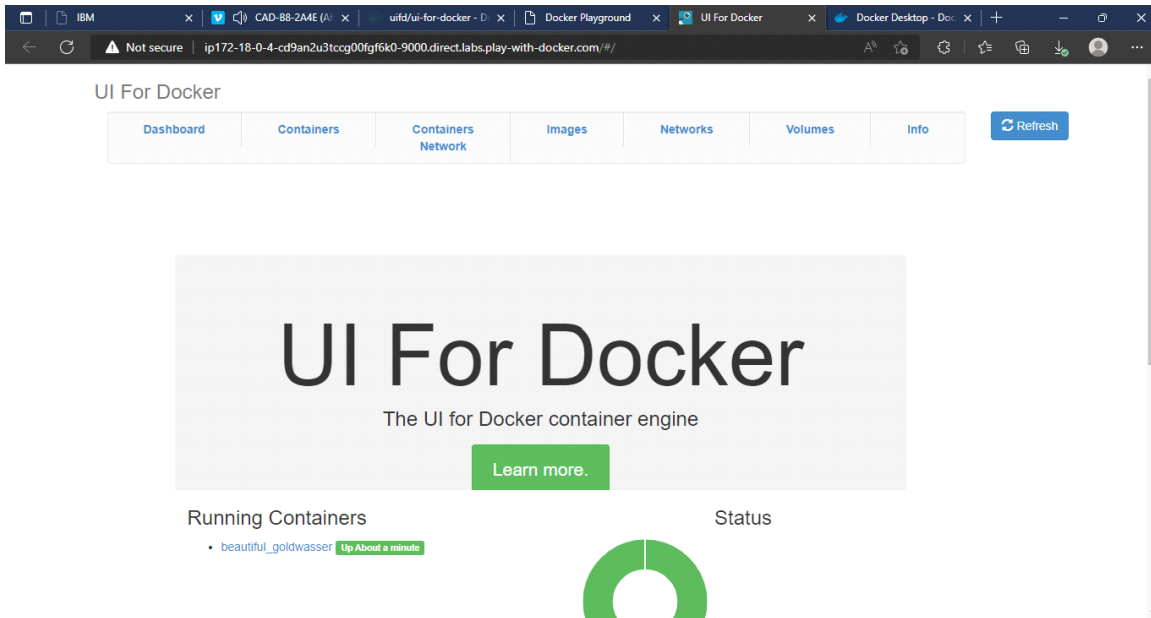
```
cd9an2u3_cd9av060qau0008hbjs0
IP: 192.168.0.13
OPEN PORT

Memory CPU

SSH
ssh ip172-18-0-4-cd9an2u3tccg00fg6k0@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 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:fe371ff9a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
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
e590dd1c3101ae795bdc0a0e1ddd98f6fe549cb5f24dacb9ff7c1931923fc0d
(node1) (local) root@192.168.0.13 ~
$
```

• 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:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9ac819df9f380af6fc
-> resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9ac819df9f380af6fc
-> sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9ac819df9f380af6fc 1.86kB / 1.86kB
-> sha256:0897a987a8ec879df5ac31872359c2de510f82214c048e926393b376d3b60d 2.22kB / 2.22kB
-> sha256:5426863d07c5e3ad24ce21fc889abbcb486a27634c0892086ff71f3f44b104 9.27kB / 9.27kB
-> sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b009eb77a6e1e3 54.92MB / 54.92MB
-> sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
-> sha256:cb5b7ae361722f07eca53f35823ed21baa85db1d5d95cd5a95ab53d748cdd56 10.87MB / 10.87MB
-> sha256:4a4f02044bac0432ca522cbb9f25ab1c91fcea080bfeef0eb0b243b2f31bab7 7.83MB / 7.83MB
-> sha256:6f9f74896df93fe0172f594fab85e0b4e8a0481a0fef9d112efc7e4d3c78f7 2.35B / 2.35B
-> sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB
-> extracting sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b009eb77a6e1e3
-> sha256:9fdddc563342e6efad7e241bf5e7459c40ed105c5478665c1b95b74f32b009eb77a6e1e3 14.21MB / 14.21MB
-> extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 2.38MB / 2.38MB
-> extracting sha256:cb5b7ae361722f07eca53f35823ed21baa85db1d5d95cd5a95ab53d748cdd56 4.95MB / 4.95MB
-> sha256:4a4f02044bac0432ca522cbb9f25ab1c91fcea080bfeef0eb0b243b2f31bab7 2.35B / 2.35B
-> sha256:c4f42be2be53b90e0bffc040c1df13de538434ccc5f5d954a5684a0109a3a3f 2.21MB / 2.21MB
-> extracting sha256:6494e4811622b31c027ccac322ca463037f8885f569a93e6f15e01aade718793 27.33MB / 27.33MB
-> extracting sha256:6f9f74896df93fe0172f594fab85e0b4e8a0481a0fef9d112efc7e4d3c78f7 131.45MB / 131.45MB
-> extracting sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 8.25MB / 8.25MB
-> extracting sha256:9fdddc563342e6efad7e241bf5e7459c40ed105c5478665c1b95b74f32b009eb77a6e1e3 11.33MB / 11.33MB
-> extracting sha256:4a4f02044bac0432ca522cbb9f25ab1c91fcea080bfeef0eb0b243b2f31bab7 0.85MB / 0.85MB
-> extracting sha256:c4f42be2be53b90e0bffc040c1df13de538434ccc5f5d954a5684a0109a3a3f 2.25MB / 2.25MB
[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 sha256:1756719486df082fad5dae305c5221513f2ff2d1b49a8d242b22a28af0379f19
-> 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>

Docker Desktop Upgrade plan

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

RAM 2.53GB CPU 1.56% Connected to Hub v4.13.0

Create a IBM container registry and deploy helloworld app