

Assignment -4

Docker and Kubernetes

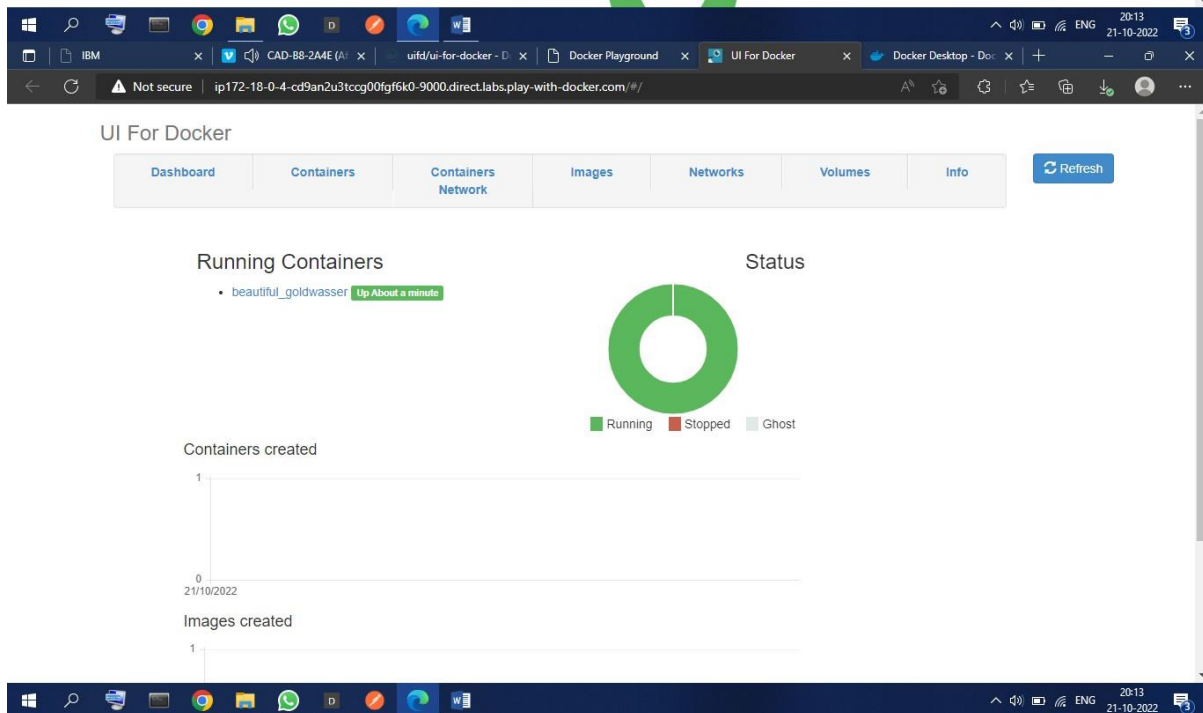
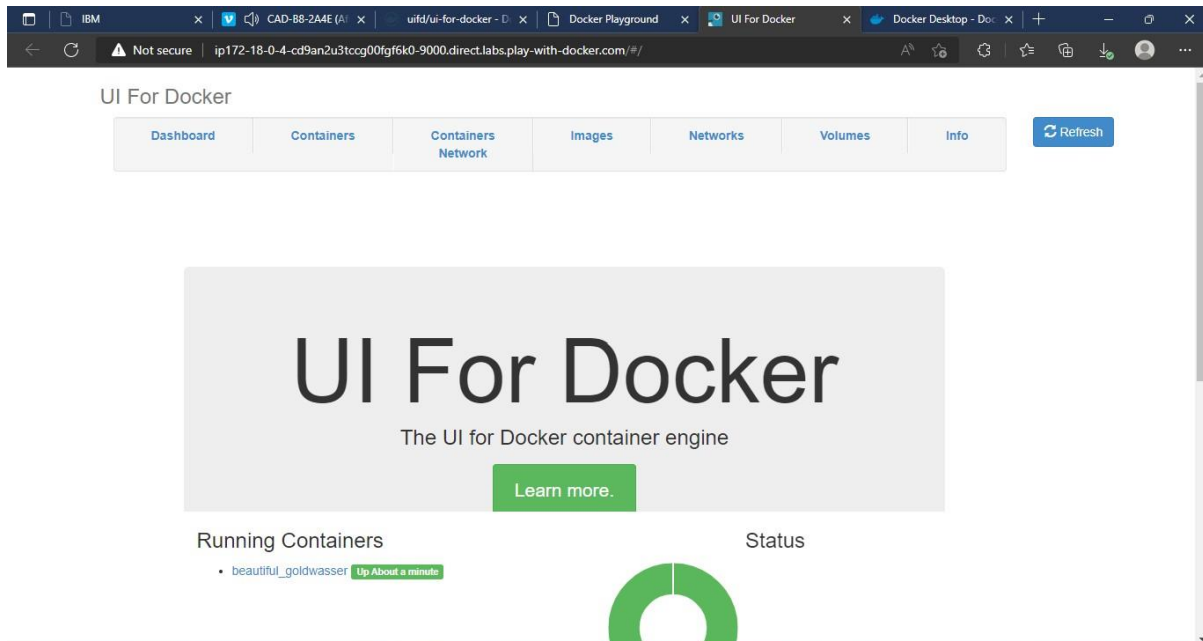
Assignment Date	23 October 2022
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Student Roll Number	211519106112
Maximum Marks	2 Marks

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

The screenshot displays two browser windows. The top window shows the Docker Hub page for the repository `uifd/ui-for-docker`. The page indicates that the repository is deprecated and development continues at `portainer/portainer`. A Docker Pull Command box shows the command: `docker pull uifd/ui-for-docker`.

The bottom window shows the Docker Playground interface. It displays the instance ID `cd9an2u3_cd9av060qau0008hbjso` and the IP address `192.168.0.13`. The terminal output shows the following commands and results:

```
# 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
[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
c590dd163101ae795bdcea0eb1ddd98f6fe549cb5f24dcb9ff7c1931923fc0d
[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:3.6
-> [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 1.06kB / 1.06kB
-> sha256:d997a907a0ec079df5ac31872359c2de510f02214c0448e926393b37cd3b60d 2.22kB / 2.22kB
-> sha256:54260638d07c5e3ad24c6e21fc889abbcb486a27634c0892086ff71f344b104 0.27kB / 0.27kB
-> sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b00e0b77ae1e3 54.92MB / 54.92MB
-> sha256:90829c73b52b92b97d5c07e54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
-> sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB
-> sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB
-> sha256:6f9f74896df9a3fe0172f504fab85e0b4e8a0481a0fef0d112efc7e4d3c78f7 196.51MB / 196.51MB
-> sha256:5e3b1212efc5690e78bd002080a5c164de2a27208e06c72dad812124dc743 6.29MB / 6.29MB
-> extracting sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b00e0b77ae1e3
-> sha256:9fd9dc5633af2e6efad7e241bf5e7459c40ed185c5478676f41c1244bd96752 14.21MB / 14.21MB
-> extracting sha256:90829c73b52b92b97d5c07e54fb0f3e921995a296c714b53a32ae67d19231fcd
-> extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56
-> sha256:404f02044bac0432ca522cbb9f254b1c91fcea6006bfeef0be0b243b2f31bab7 235B / 235B
-> sha256:c4f42be2be53b900ebffcc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB
-> extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793
-> extracting sha256:6f9f74896df9a3fe0172f504fab85e0b4e8a0481a0fef0d112efc7e4d3c78f7
-> extracting sha256:5e3b1212efc5690e78bd002080a5c164de2a27208e06c72dad812124dc743
-> extracting sha256:9fd9dc5633af2e6efad7e241bf5e7459c40ed185c5478676f41c1244bd96752
-> extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6006bfeef0be0b243b2f31bab7
-> extracting sha256:c4f42be2be53b900ebffcc040c1df13de538434ccc5f5d954a56848a6169a3a3f
-> [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 lbw_db
-> exporting to image
-> >> writing image sha256:1756719486df002fad5dae305c5221513f2f2d1b49a8d242b22a28af0379f19
-> >> 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>

