

# NEWS TRACKER APPLICATION

## Assignment-4

**Team ID:** PNT2022TMID34642

**Team Size:** 4

**Team Leader:** JENIBA J

**Team member:** JEBA SHERIN

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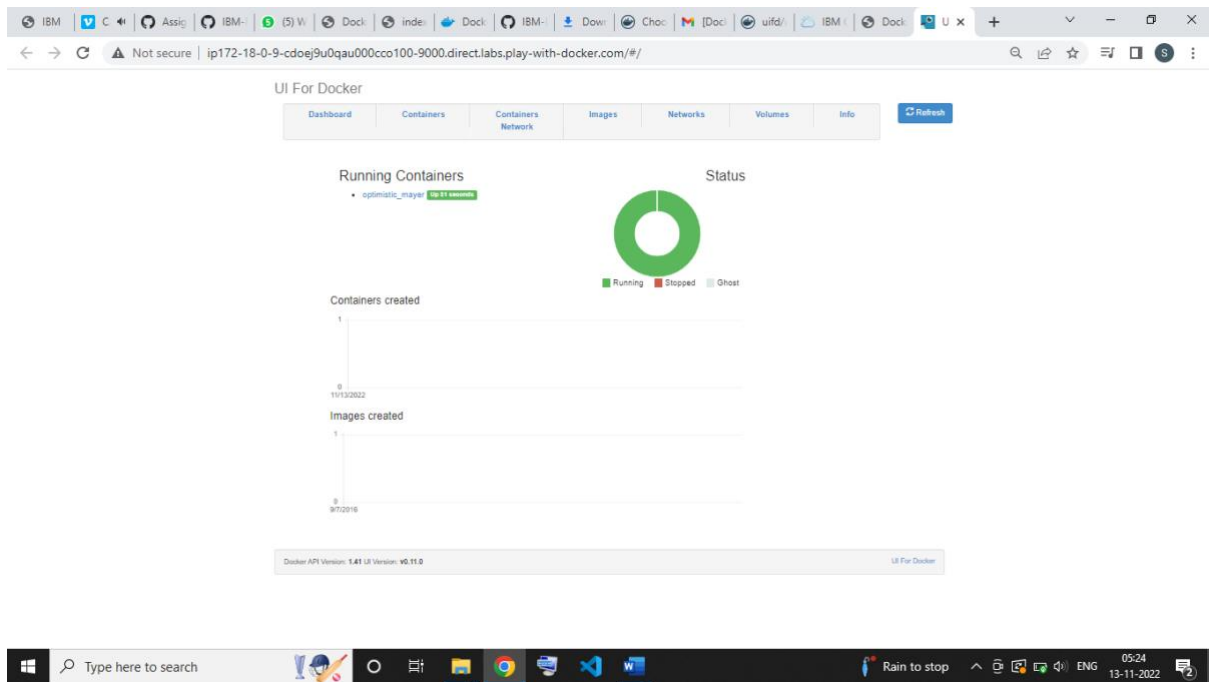
**Team member:** MELISHA JUDI S

**1.Pull an Image from docker hub and run it in docker playground.**

The screenshot displays the Docker Playground interface in a web browser. The top navigation bar includes various icons and the URL 'labs.play-with-docker.com/p/cdoej9u0qau000cco100#cdoej9u0\_cdoejnv91rrg00fbhkg'. The main interface is divided into three sections:

- Left Panel:** A sidebar with a digital clock showing '03:33:43', a 'CLOSE SESSION' button, an 'Instances' section with a wrench and gear icon, and a '+ ADD NEW INSTANCE' button. Below this, a list of instances shows '192.168.0.13 node1'.
- Right Panel:** A detailed view of the selected instance 'cdoej9u0\_cdoejnv91rrg00fbhkg'. It displays the IP address '192.168.0.13', an 'OPEN PORT' button set to '9000', memory usage '1.71% (68.58MiB / 3.906GiB)', and CPU usage '0.55%'. An SSH command is provided: 'ssh ip172-18-0-9-cdoej9u0qau000cco100@direct.labs.play-'. Below this are 'DELETE' and 'EDITOR' buttons.
- Terminal:** A terminal window at the bottom showing the execution of Docker commands. The output indicates that the 'uifd/ui-for-docker' image was pulled from Docker Hub and is now running in a privileged container with port 9000 mapped to port 9000.

```
# 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
32f9f53fd4e1c57b6ba25c02cacbc213c39fb34c2f4841cc2d5176bed75656ef
(node1) (local) root@192.168.0.13 ~
$
```



**2.Create a docker file for the jobportal application and deploy it in Docker desktop application.**

## **DOCKER FILE:**

```
1 FROM python:3.8-buster
2
3 WORKDIR /app
4
5 COPY requirements.txt /app/
6
7 RUN pip install -r requirements.txt
8
9 COPY . /app/
10
11 RUN cp .env.dev.sample .env
12
13 EXPOSE 8000
14
15 RUN chmod +x entrypoint.sh
16
17 CMD ["sh", "entrypoint.sh"]
```

DEPLOYMENT OF JOBPORTAL APPLICATION:

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Containers Give feedback

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Only show running containers

Search

	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	<div>agitated_neumann</div> <div>918d20882039</div>	<a href="#">icr.io/helloapp/ibm:latest</a>	Exited (137)	49160:8080		<div></div> <div></div> <div></div>
<input type="checkbox"/>	<div>jolly_turing</div> <div>b62c0712bdd3</div>	<a href="#">jobportalapplication:latest</a>	Running	1234:8000	4 minutes ago	<div></div> <div></div> <div></div>

Showing 2 items

RAM 3.06GB CPU 0.57%

Connected to Hub

v4.13.0

OUTPUT:

Job Board

Find your dream job

Search keyword

Home

Browse Job

Pages

Blog

Contact

Log in

Post A Job

Find Job

Popular Search:

Design & Creative

Marketing

Administration

Teaching & Education

Engineering

Software & Web

Telemarketing

Popular Categories

Design & Creative

50 Available position

Marketing

50 Available position

Telemarketing

50 Available position

Software & Web

50 Available position

Administration

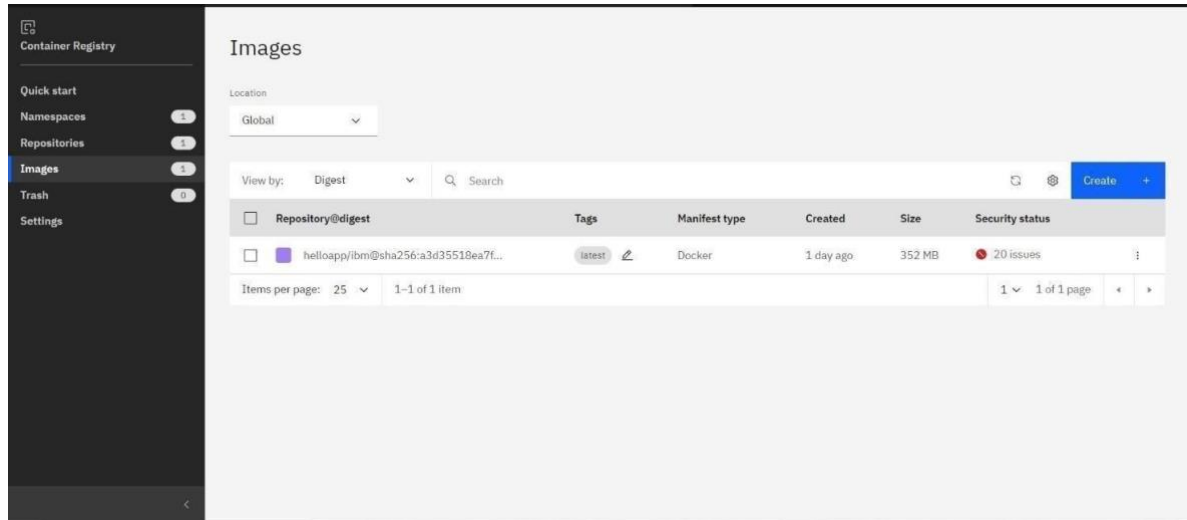
Teaching & Education

Engineering

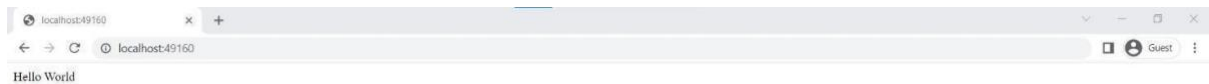
Garments / Textile

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

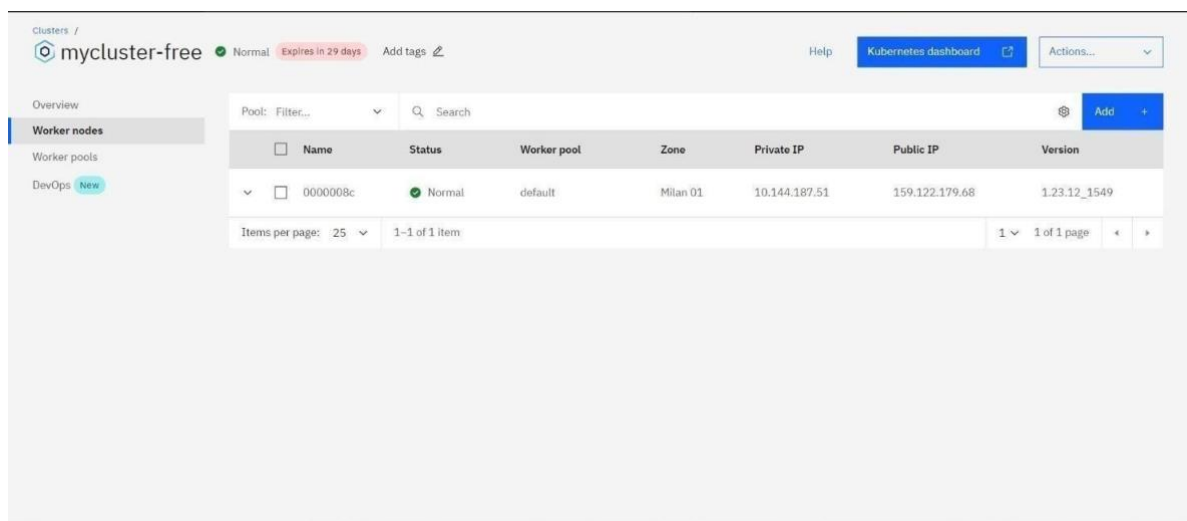
#### DEPLOYMENT:



#### OUTPUT:



### 4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.



## Output:

