

Assignment -4
CLOUD APPLICATION DEVELOPEMENT

Assignment Date	22 September 2022
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Maximum Marks	2 Marks

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

The image is a composite screenshot showing two steps in a tutorial. The top part shows the Docker Hub website for the repository 'uifd/ui-for-docker'. It indicates the repository is deprecated and suggests using 'portainer/portainer' instead. A 'UI For Docker' section explains it was a web interface for the Docker Remote API. A 'Docker Pull Command' box shows the command: `docker pull uifd/ui-for-docker`. The bottom part shows the 'labs.play-with-docker.com' interface. On the left, there's a sidebar with a clock showing 03:42:30, a 'CLOSE SESSION' button, and an 'Instances' section with one instance named 'node1' at IP 192.168.0.13. The main area shows the instance details for 'cd9an2u3_cd9av060qau0008hbjs0' with IP 192.168.0.13. Below this is an SSH terminal window. The terminal output shows the user running `docker pull uifd/ui-for-docker`, which successfully pulls the latest image. Then, the user runs `docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker`, which starts the container.

Docker Hub repository: **uifd/ui-for-docker** (Deprecated)

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
```

labs.play-with-docker.com

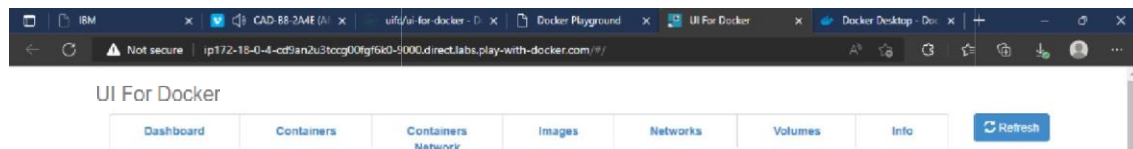
Instance: **cd9an2u3_cd9av060qau0008hbjs0**

IP: 192.168.0.13

SSH: `ssh ip172-18-0-4-cd9an2u3tccg00f6k0@direct.labs.play-w`

Terminal 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. #
#####
(node1) (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841154d080c8: Pull complete
Digest: sha256:f5371ff3a6949269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
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/u
e590dd163101ae79bdc0e0eb1ddd98f6fe549cb5f24dadb9ff7c1931923fcd
(node1) (local) root@192.168.0.13 ~
```



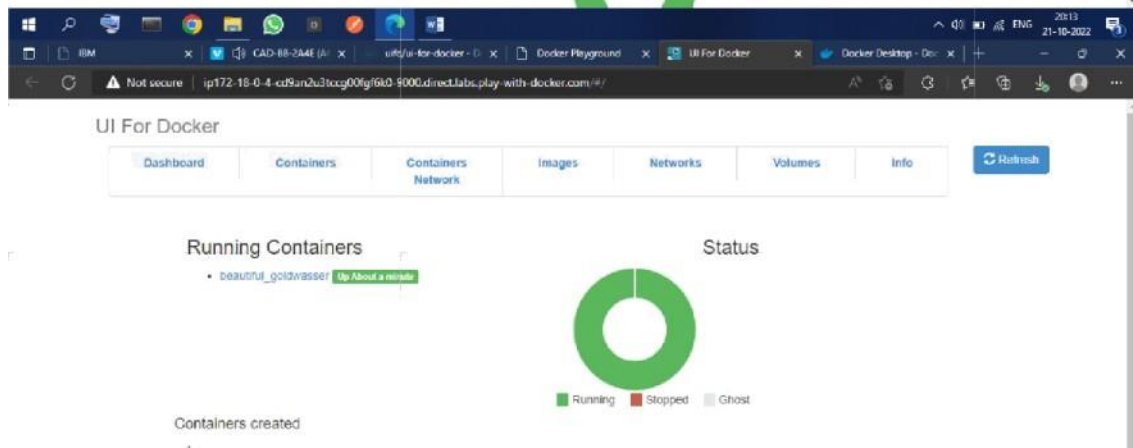
UI For Docker

The UI for Docker container engine

[Learn more.](#)

Running Containers

Status



2. Create a docker file for the job portal application and deploy it in Docker desktop application

The screenshot displays the Docker Desktop interface during the build of a Docker image. The top panel shows the build progress, including the transfer of the Dockerfile and context, and the subsequent extraction of layers. The bottom panel shows the resulting image, 'job-portal-main', listed in the 'Images on disk' section.

Build Progress:

- [1/6] FROM docker.io/library/python:3.9-slim
- [2/6] RUN apt-get update && apt-get install -y python3-pip
- [3/6] COPY requirements.txt /app
- [4/6] RUN python3 -m pip install -r requirements.txt
- [5/6] COPY . /app
- [6/6] CMD python3 /app/main.py

Images on disk:

NAME	TAG	IMAGE ID	CREATED	SIZE
job-portal-main	latest	175671948ddf	less than a minute ago	1.08 GB