

Assignment -4

Docker and Kubernetes

Assignment Date	21 October 2022
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Maximum Marks	2 Marks

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

The image shows a sequence of steps to pull and run a Docker image in a playground environment.

Step 1: Docker Hub Repository

The first screenshot shows the Docker Hub repository for `uifd/ui-for-docker`. The repository is marked as deprecated, with a note: "This repo is deprecated. Development continues at portainer/portainer". The Docker Pull Command is shown as:

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

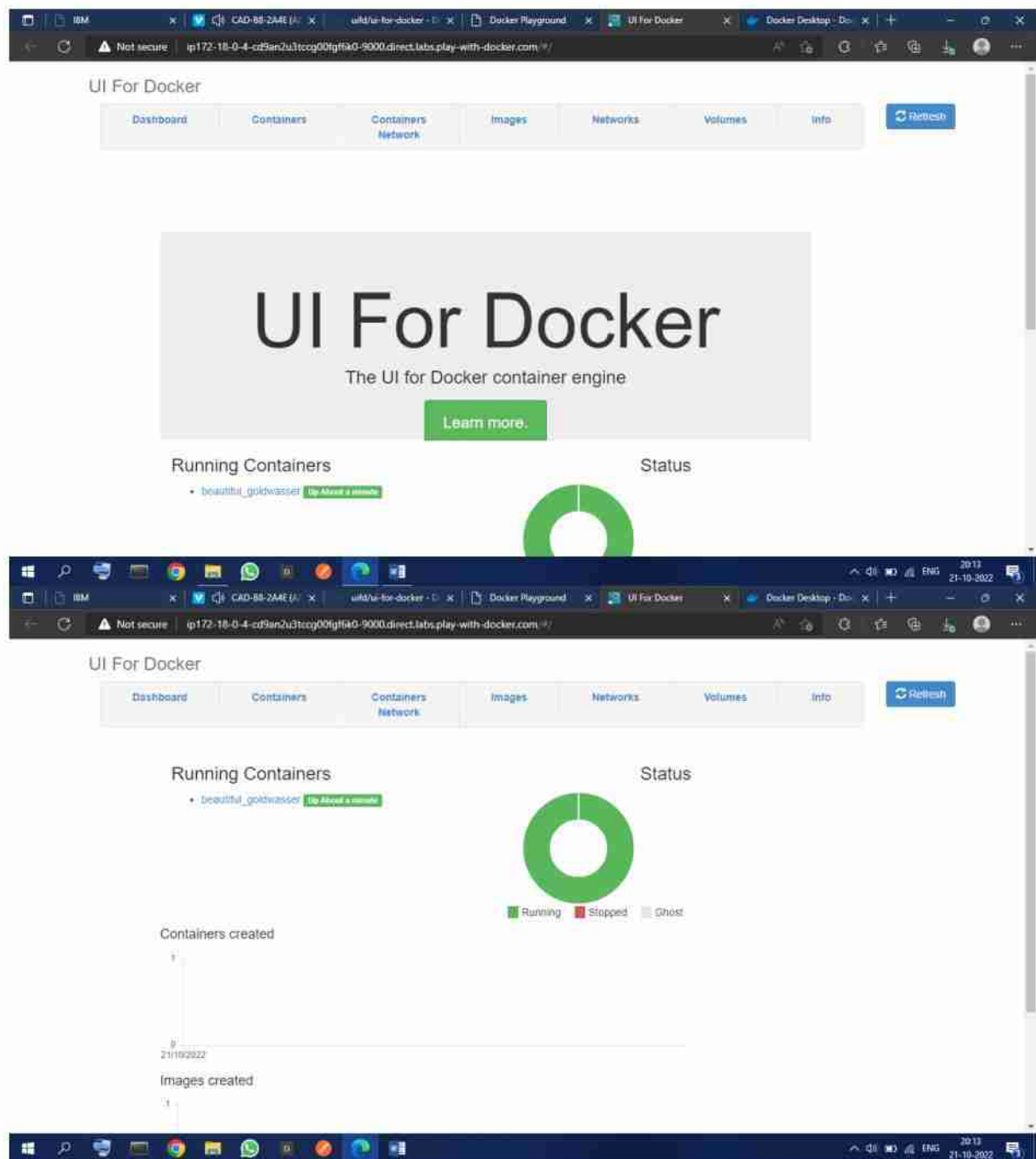
Step 2: Docker Playground Instance

The second screenshot shows the Docker Playground interface. A new instance named `cd9an2u3_cd9av060qau0008hbjs0` is created. The instance details show the IP address `192.168.0.13` and the SSH command:

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

Step 3: Running the Docker Image

The third screenshot shows the terminal output of the Docker Playground. The user runs the command `docker pull uifd/ui-for-docker`, which successfully pulls the latest image. The output shows the image digest and status. Then, the user runs the command `docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker`, which starts the container.



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

