

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 screenshot displays two browser windows. The top window shows the Docker Hub page for the repository `uifd/ui-for-docker`. It indicates that the repository is deprecated and suggests using `portainer/portainer` instead. The 'Image' tab is selected, showing the 'latest' tag. A 'Pulls 10M+' badge is visible. The bottom window shows the Docker Playground interface. On the left, there's a sidebar with a timer at 03:42:30, a 'CLOSE SESSION' button, and an 'Instances' section showing a single instance named 'node1' with IP 192.168.0.13. The main area shows the instance details for 'cd9an2u3_cd9av060qau0008hbjs0', including its IP (192.168.0.13), memory, CPU, and an SSH command to connect. Below this, a terminal window shows the execution of `docker pull uifd/ui-for-docker`, which successfully pulls the latest image. The terminal output includes the image ID, digest, and status. Finally, the `docker run` command is executed, starting the container with privileged access and mapping the Docker socket.

Docker Hub Page:

- Repository: `uifd/ui-for-docker`
- By `uifd` • Updated 6 years ago
- A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features.
- Tags: `Other`, `Image`
- Overview | Tags
- UI For Docker: This repo is deprecated. Development continues at: [portainer/portainer](#)
- Goals
- Docker Pull Command: `docker pull uifd/ui-for-docker`

Docker Playground Interface:

- Instances: 192.168.0.13 node1
- Instance Details: `cd9an2u3_cd9av060qau0008hbjs0`, IP: 192.168.0.13
- SSH Command: `ssh ip172-18-0-4-cd9an2u3tccg00fg6k0@direct.labs.play-with-docker.com`
- 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
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
c590d41f3101ac795bdeea0eb1dd98f6fe549cb5f24dab9ff7c1931923fc0d
[node1] (local) root@192.168.0.13 ~
$
```

UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

UI For Docker


The UI for Docker container engine

Learn more.

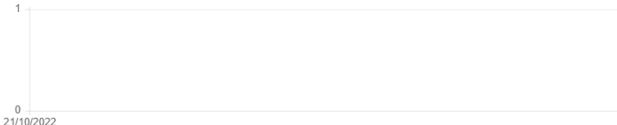
Running Containers

- beautiful_goldwasser Up About a minute

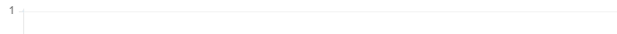
Status



Containers created



Images created



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

