

Assignment -4

Docker and Kubernetes

Assignment Date	21 October 2022
Student Name	SRIJA J
Student Roll Number	713319CS143
Maximum Marks	2 Marks

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

The screenshot shows a web browser with two tabs. The first tab is Docker Hub, displaying the repository page for `uifd/ui-for-docker`. The repository is owned by `uifd` and was updated 6 years ago. It is described as a web interface for Docker, formerly known as DockerUI, and is deprecated, with a recommendation to use Portainer for new features. The repository has 10M+ pulls. The second tab is Docker Playground, showing a session for `cd9an2u3_cd9av060qau0008hbjso`. The session details include the IP address `192.168.0.13` and the SSH command `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-with-docker.com`. 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 PWD team. #
#####
[models] (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
[models] (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
c590dat63101ae795bdean0eb1dd90f6f549cb5f24dacb9ff7c1931923fc0d
[models] (local) root@192.168.0.13 ~
$
```

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

The image displays two screenshots of the 'UI For Docker' web application interface, which is accessed via a browser at the URL `ip172-18-0-4-cd9an2u3tccg00fgf6k0-9000.direct.labs.play-with-docker.com/#/`.

Top Screenshot: The interface shows a navigation bar with tabs: Dashboard, Containers, Containers Network, Images, Networks, Volumes, and Info. A 'Refresh' button is located on the right. The main content area features a large header 'UI For Docker' with the subtitle 'The UI for Docker container engine' and a 'Learn more.' button. Below this, the 'Running Containers' section lists a single container named 'beautiful_goldwasser' with a status of 'Up About a minute'. The 'Status' section displays a green donut chart representing the container status.

Bottom Screenshot: This screenshot shows the same interface but with additional sections visible. The 'Containers created' section shows a line graph with a single data point at 1 on the y-axis for the date 21/10/2022. The 'Images created' section also shows a line graph with a single data point at 1 on the y-axis for the date 21/10/2022. The 'Status' section now includes a legend for the donut chart: Running (green), Stopped (red), and Ghost (grey).

3. Create an IBM container registry and deploy hello word app

The screenshot displays the Docker Desktop interface. The top pane shows the build process of a container image, with a progress bar on the right indicating the percentage of the build completed. The bottom pane shows the 'Images on disk' section, listing the built image 'job-portal-main' with a tag of 'latest' and a size of 1.08 GB. The image is shown as 'In use only'.

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\VK\Desktop\job-portal-main>

Docker Desktop Upgrade plan

Containers Images Volumes Dev Environments BETA Extensions BETA Add Extensions

Images on disk Last refresh: about 1 hour ago 1 images 0 Bytes total size Refresh to see disk usage Clean up

Images Give feedback

LOCAL REMOTE REPOSITORIES

Search

☐ In use only

NAME	TAG	IMAGE ID	CREATED	SIZE
job-portal-main	latest	1756719486df	less than a minute ago	1.08 GB

Use 'd' RAM 2.53GB CPU 1.56% Connected to Hub v4.13.0