

## Assignment - 4

### Docker and Kubernetes

Assignment Date	04 November 2022
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#### 1. Pull an image from docker hub and run it in docker Playground

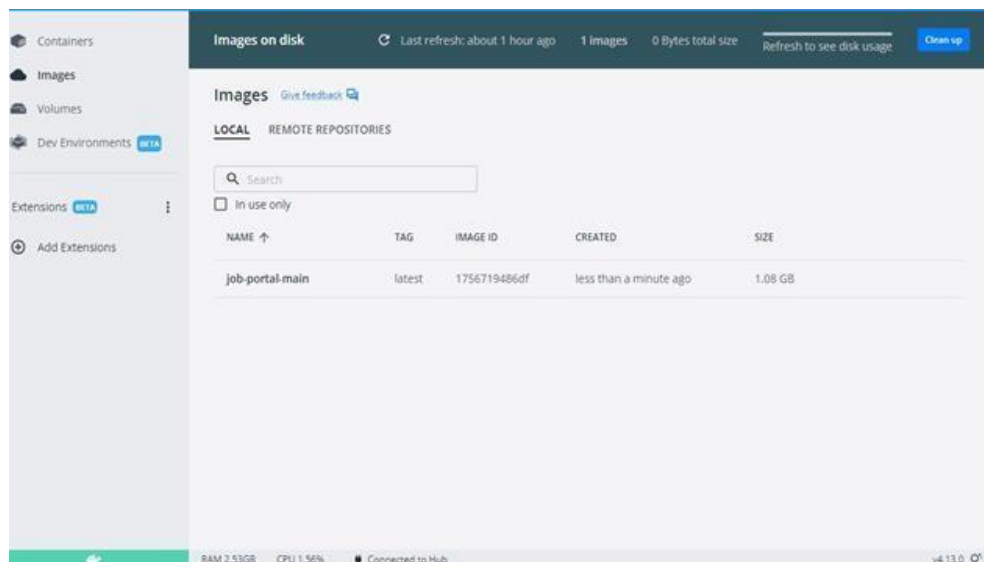
The screenshot displays the Docker Hub page for the repository `uifd/ui-for-docker`. The repository is marked as deprecated, with a note stating: "This repo is deprecated. Development continues at: [portainer/portainer](#)". The page shows the repository's description, a Docker Pull Command, and a section for Goals.

Below the Docker Hub page, the Docker Playground interface is visible. The instance name is `cd9an2u3_cd9av060qau0008hbjs0`. The IP address is `192.168.0.13`. The SSH command is `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. The instance is running on a `node1` machine.

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 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
c590dd163101ae795bdca0eb1ddd98f6fe549cb5f24dadb9ff7c1931923fc0d
[node1] (local) root@192.168.0.13 ~
$
```





### 3. Create a IBM container registry and deploy hello world app