

## Assignment - 4

### Docker and Kubernetes

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

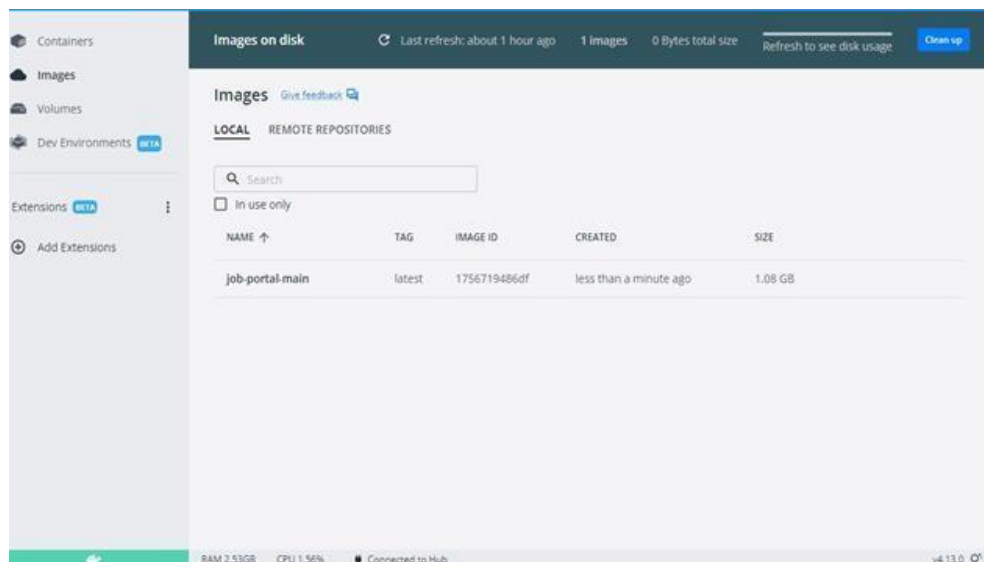
The screenshot displays the Docker Hub page for the repository `uifd/ui-for-docker`. The page indicates it is deprecated and suggests using Portainer. Below this, the 'Overview' tab shows a description of the UI For Docker as a web interface for the Docker Remote API. To the right, the 'Docker Pull Command' is shown as `docker pull uifd/ui-for-docker`.

Below the Docker Hub page, a screenshot of the Docker Playground interface is shown. The interface displays the instance ID `cd9an2u3_cd9av060qau0008hbjs0` and the IP address `192.168.0.13`. The 'SSH' section shows the command `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. The 'DELETE' and 'EDITOR' buttons are visible.

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. #
#####
[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
c590dd163101ae795bdcea0eb1ddd98f6fe549cb5f24dadb9ff7c1931923fc0d
[models] (local) root@192.168.0.13 ~
$
```





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