

ASSIGNMENT 4

KUBERNETS/DOCKER

QUESTION1: Pull an image from docker hub and run it in docker play ground

The screenshot displays the Docker Playground web interface. On the left sidebar, there is a clock showing 03:55:31, a 'CLOSE SESSION' button, an 'Instances' section with a wrench and gear icon, and a '+ ADD NEW INSTANCE' button. Below this, a list of instances shows '192.168.0.13 node1'. The main panel shows the instance details for 'cdeigu3_cdeigmm3tccg00bnlf50' with IP '192.168.0.13' and an 'OPEN PORT' button. Below the IP, there are tabs for 'Memory' and 'CPU'. An 'SSH' section provides the command 'ssh ip172-18-0-38-cdeigu3tccg00bnlf4g@direct.labs.play-w' with a copy icon. At the bottom of the main panel are 'DELETE' and 'EDITOR' buttons. A terminal window at the bottom shows the following commands and output:

```
# The PWD team.#####
[node1] (local) root@192.168.0.13 ~
$ docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
[node1] (local) root@192.168.0.13 ~
$ docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
```

The screenshot shows the Docker Playground interface. On the left, there's a sidebar with a clock showing 03:52:13, a 'CLOSE SESSION' button, and an 'Instances' section with a '+ ADD NEW INSTANCE' button. Below this, a list of instances shows '192.168.0.13 node1'. The main area displays details for the container 'cdeigju3_cdeigmm3tccg00bnlf50', including its IP (192.168.0.13), an 'OPEN PORT' button, and SSH access information. Below this, there are 'DELETE' and 'EDITOR' buttons. The bottom section shows a terminal window with the following commands and output:

```
$ docker images hello-world
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
hello-world   latest    feb5d9fea6a5  13 months ago  13.3kB
[node1] (local) root@192.168.0.13 ~
$ docker run --user $8080:$8081 hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

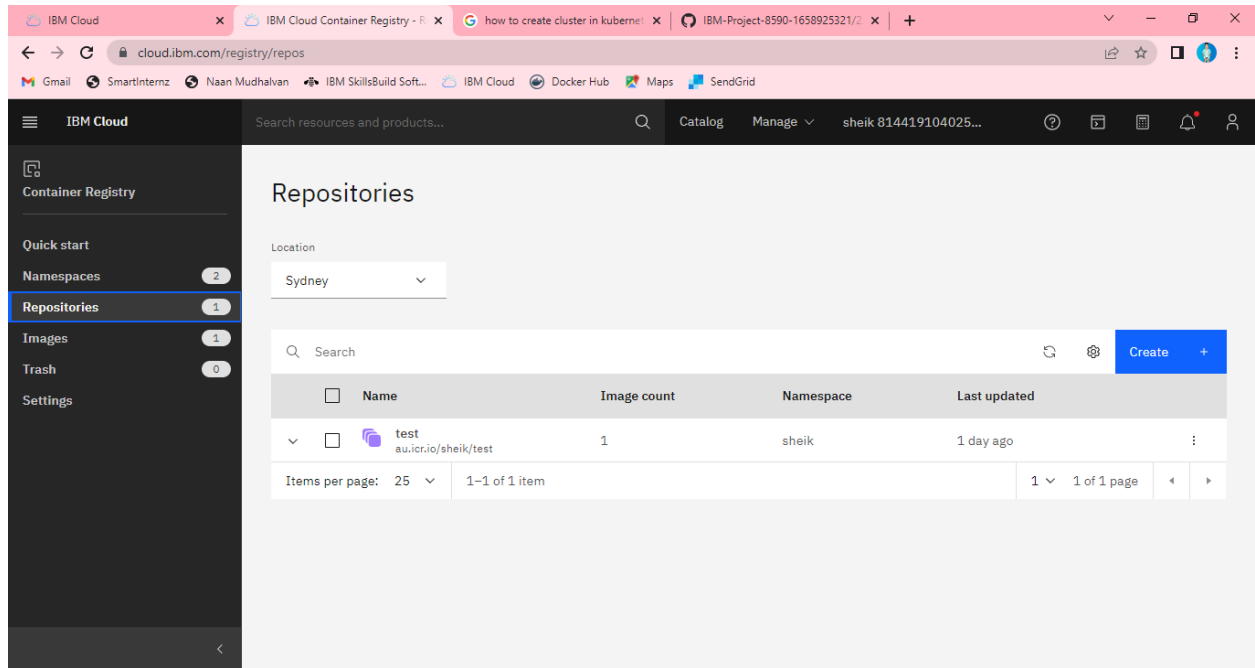
To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.
```

QUESTION 2: Create a docker file for the jobportal application and deploy it in docker desktop application.

The screenshot shows a Notepad application window titled 'Dockerfile - Notepad'. The text inside the file is as follows:

```
FROM jobportal1:latest
WORKDIR ~/Desktop/
ADD . jobportal/
WORKDIR ~/Desktop/html
RUN pip install -r requirements
RUN chmod +x app.sh
CMD ["/bin/sh","app.sh"]
```

QUESTION 3: Create a IBM container registry and deploy helloworld app or jobportalapp



```
Microsoft Windows [Version 10.0.19044.2075]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rasith>docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

C:\Users\Rasith>docker pull sheikabdullahvipr/sheik09
Using default tag: latest
latest: Pulling from sheikabdullahvipr/sheik09
Digest: sha256:852032d1a6af98d6879a82d062911d19e9a55d051c59aaae055b6ec1ef1598a0
Status: Image is up to date for sheikabdullahvipr/sheik09:latest
docker.io/sheikabdullahvipr/sheik09:latest

C:\Users\Rasith>
```

IBM Cloud

IBM Cloud Container Registry

how to create cluster in kube

IBM-Project-8590-16589253

Docker Hub

hub.docker.com/repository/docker/sheikabdullahvipr/sheik09

sheikabdullahvipr / sheik09

Description

This repository does not have a description

Last pushed: 17 hours ago

Docker commands

To push a new tag to this repository,

`docker push sheikabdullahvipr/sheik09:tagname`

Public View

Tags and scans

VULNERABILITY SCANNING - DISABLED

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
latest		Image	2 hours ago	17 hours ago

See all

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Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

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README

Repository description is empty. Click [here](#) to edit.

