

ASSIGNMENT - 4

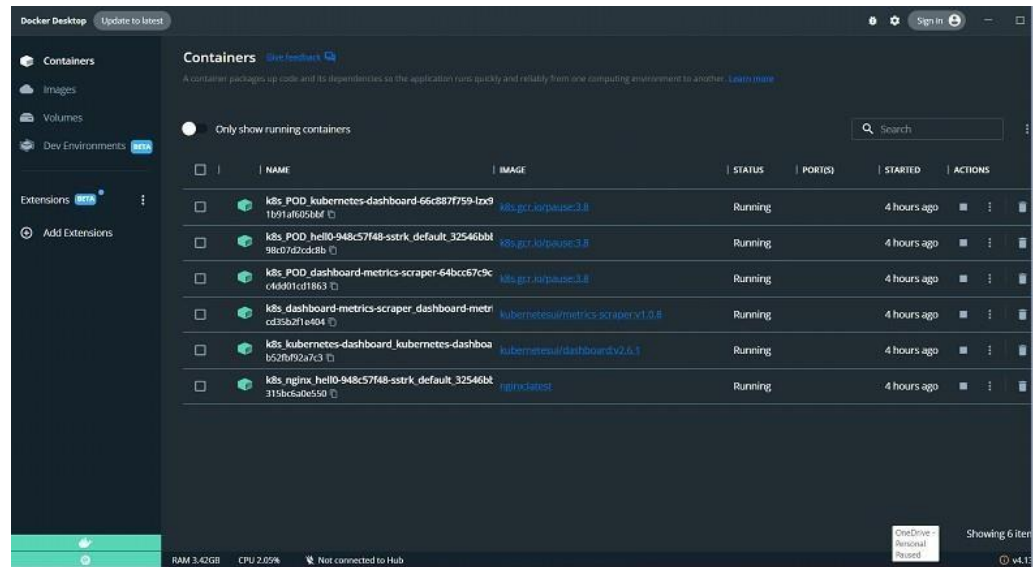
Assignment Date	10 November 2022
Project Name	Skill/Job recommender application

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

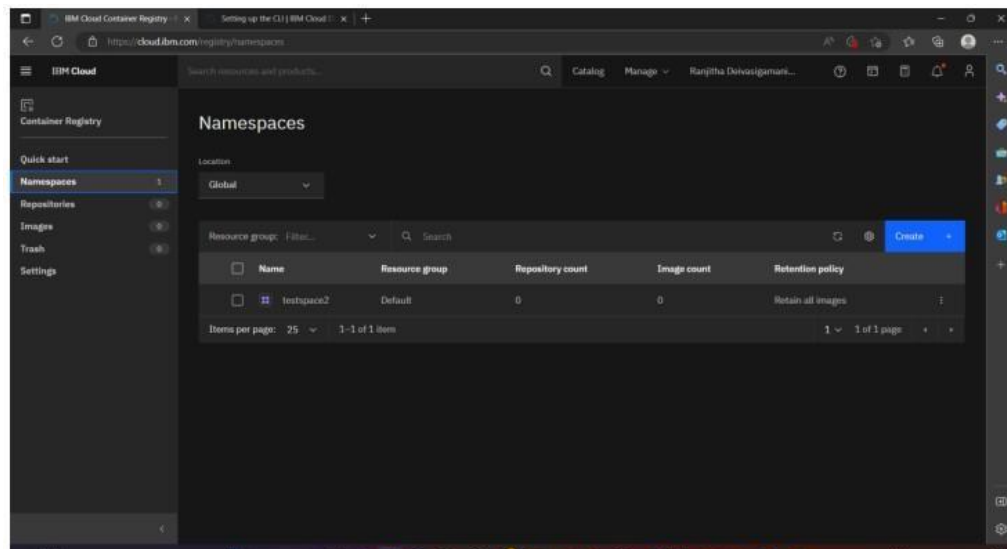
The screenshot displays the Docker Playground interface. On the left sidebar, there is a clock showing 02:45:24, a 'CLOSE SESSION' button, and an 'Instances' section with a '+ ADD NEW INSTANCE' button and a list of instances including '192.168.0.28' and 'node1'. The main panel shows details for a container named 'cdiinsm3_cdi8ee3tccg00a7r6qg'. It includes an 'IP' field with the value '192.168.0.28' and an 'OPEN PORT' button. Below this, it shows 'Memory' usage at '1.14% (45.68MiB / 3.906GiB)' and 'CPU' usage at '0.08%'. An 'SSH' field contains the command 'ssh ip172-18-0-53-cdiinsm3tccg00a7r5n0@direct.labs.play'. There are 'DELETE' and 'EDITOR' buttons. The bottom section shows a terminal output with the following text:

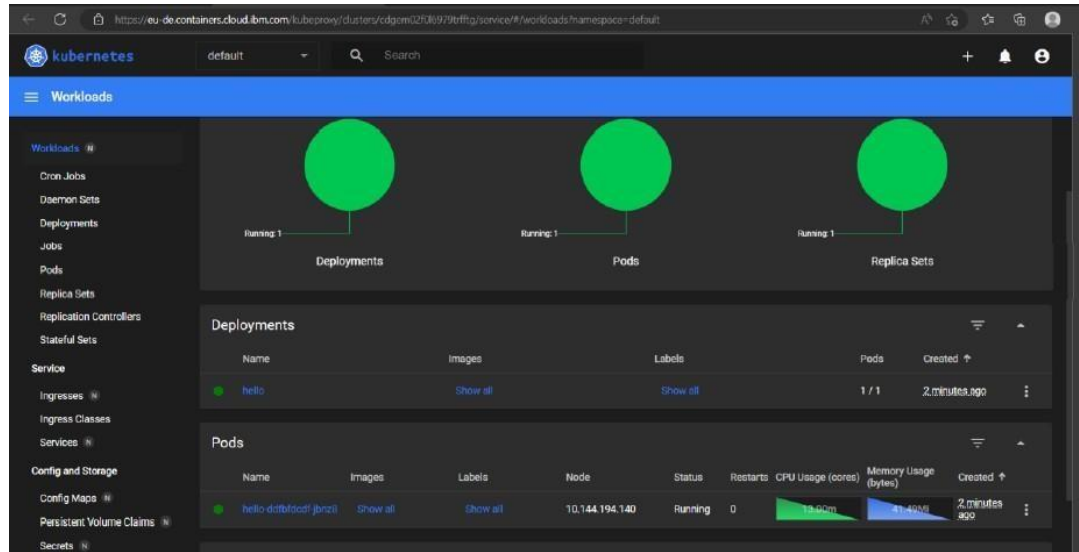
```
[root@cdi (local) root@192.168.0.28 ~]#  
$ docker build -t helloapp .  
Sending build context to Docker daemon 24.58KB  
Step 1/6 : FROM python  
latest: Pulling from library/python  
17c9e6141fdb: Pull complete  
de4a4c6caea8: Pull complete  
dedced85876c: Pull complete  
479b9c7f1a4e: Pull complete  
74fbfde6a791: Pull complete  
16fe51aed899: Pull complete  
39ae507bb0de: Pull complete  
4d98b346d211: Pull complete  
1b9b3c4e849c: Pull complete  
Digest: sha256:fc809ada71c087cec7e2d2244bcb9fba137638978a669f2aaf6267db43e89fde  
Status: Downloaded newer image for python:latest  
--> 00cd1fb8ddcc  
Step 2/6 : WORKDIR /app  
--> Running in e81d12falf22  
Removing intermediate container e81d12falf22  
--> 1c60c3bb3bef  
Step 3/6 : COPY . .  
--> 2c8f66eb481e
```

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

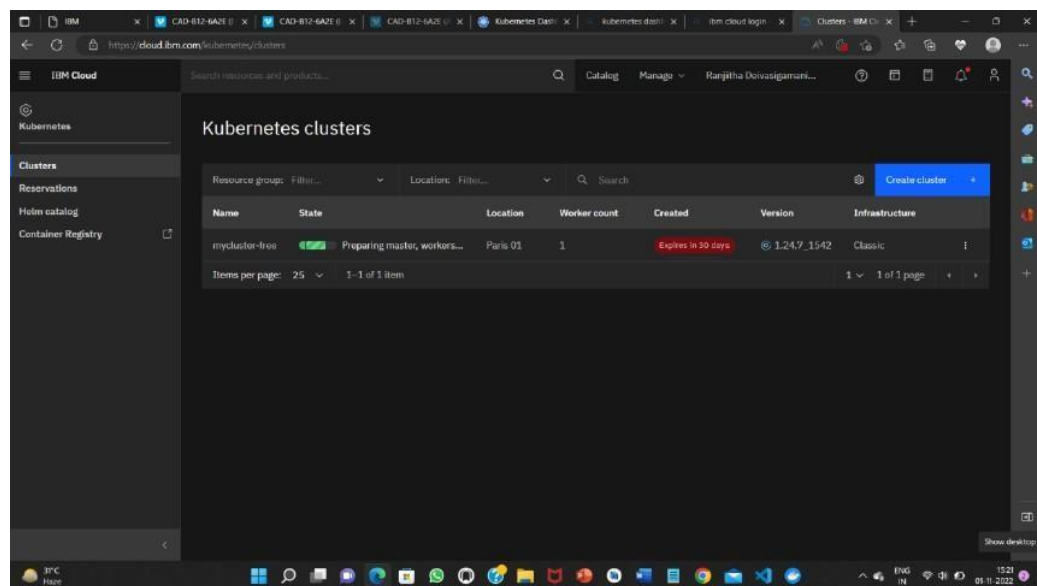


2. Create a IBM container registry and deploy “Job Portal”.





1. Create a kubernetes cluster in IBM cloud and deploy “Job portal” image and also explore the same app to run in nodeport.



Welcome to JOB PORTAL

This is a demo page for Docker & Kubernetes