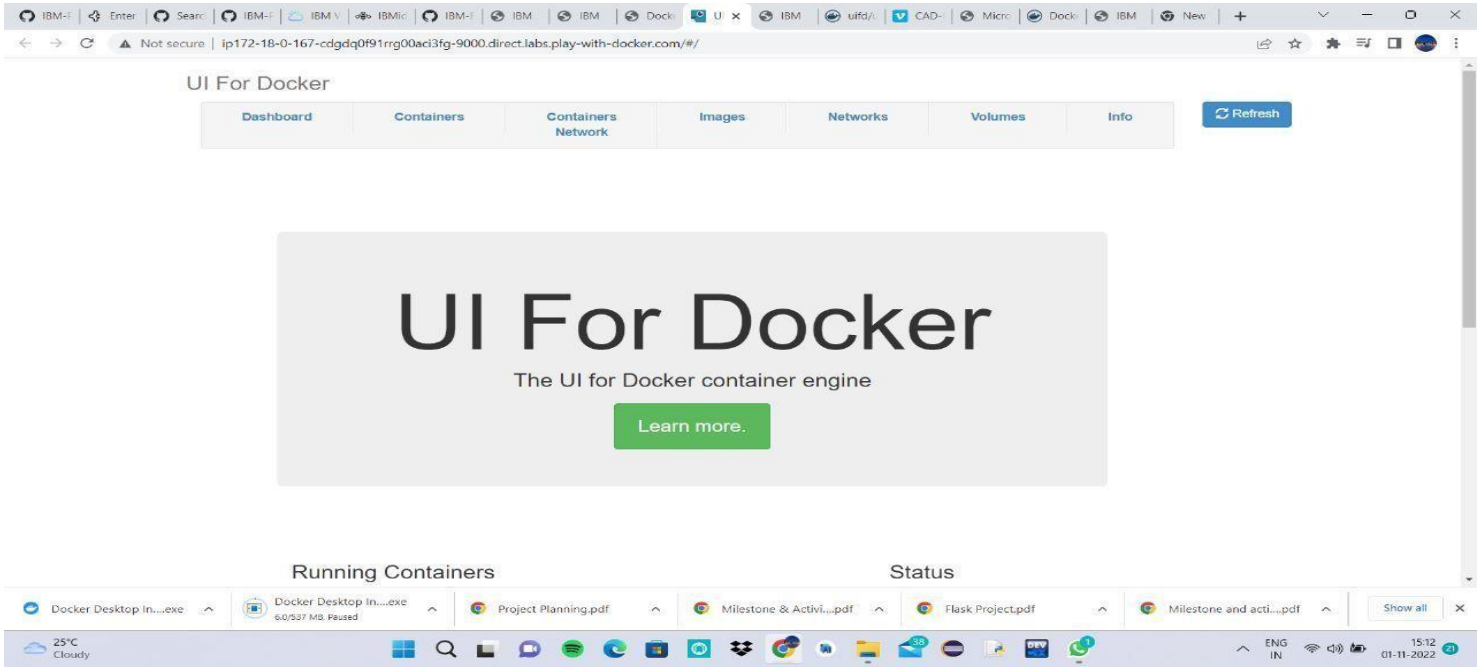
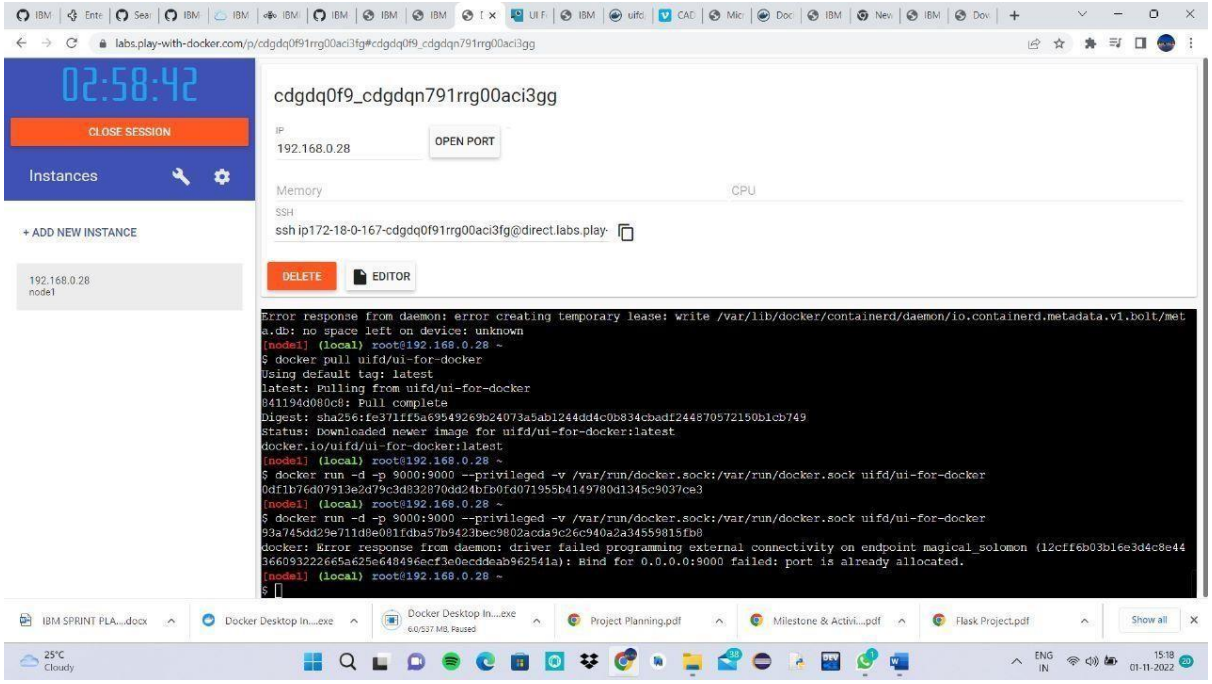
ASSIGNMENT-4

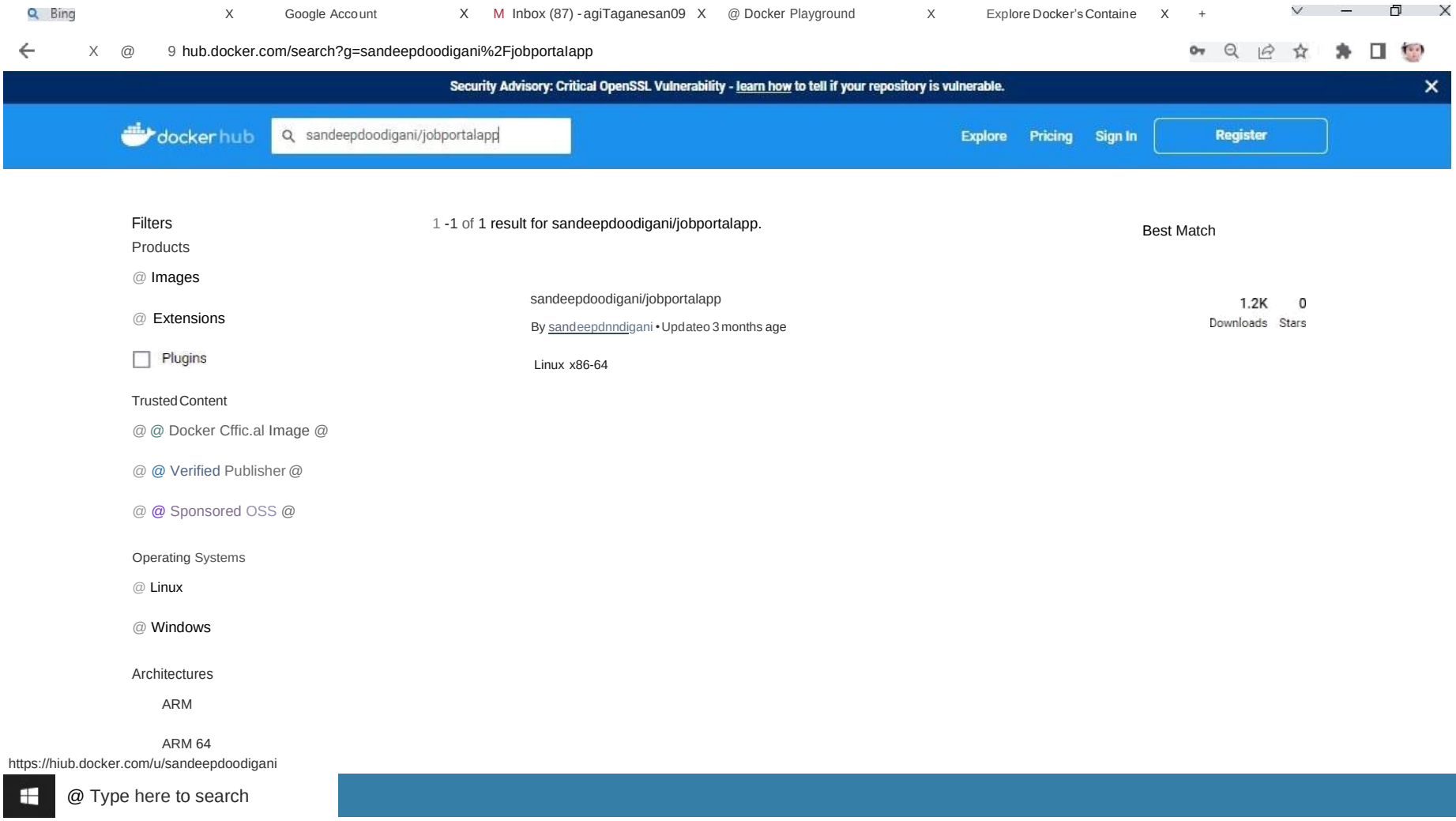
1. Pull an Image from docker hub and run it in docker playground.



UI For Docker


labs.play-with-docker.com/p/cdgdq0f91rrg00aci3fg#cdgdq0f9_cdgdqn791rrg00aci3gg
02:58:42
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
cdgdq0f9_cdgdqn791rrg00aci3gg
IP
192.168.0.28
OPEN PORT
Memory
CPU
SSH
ssh ip172-18-0-167-cdgdq0f91rrg00aci3fg@direct.labs.play
DELETE
EDITOR
Error response from daemon: error creating temporary lease: write /var/lib/docker/containerd/daemon/io.containerd.metadata.v1.bolt/meta.db: no space left on device: unknown
[node1] (local) root@192.168.0.28 ~
$ 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@192.168.0.28 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
0df1b76d07913e2d79c3d832870dd24bfb0fd071955b4149780d1345c9037ce3
[node1] (local) root@192.168.0.28 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
93a745dd29e711d8e081fdba57b9423bec9802acda9c26c940a2a34559815fb8
docker: Error response from daemon: driver failed programming external connectivity on endpoint magical_solomon (12cff6b03b16e3d4c8e443660932222665a625e648496ecf3e0ecddeab962541a): Bind for 0.0.0.0:9000 failed: port is already allocated.
[node1] (local) root@192.168.0.28 ~
$
IBM SPRINT PLA....docx
Docker Desktop In....exe
Docker Desktop In....exe
6.0/537 MB, Paused
Project Planning.pdf
Milestone & Activi....pdf
Flask Project.pdf
Show all
25°C
Cloudy
ENG
IN
15:18
01-11-2022

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



Bing X Google Account X M Inbox (87) - agiTaganesan09 X @ E'ocker Playground X sandeepdoodiganifjobporte X +

@ 9 labs.play-with-docker.com/p/'cdhojpu0qau0008f9G50+cdhojpu0 cdhokt63tccg00fmt3n0

cdhojpu0 cdhokt63tccg00fmt3n0

192168.0.13 OPEN PO FIT

3J .99a (4 .25GiB / 3.90 6GiB) 121.94

+ ADO NEW TNSTANC E ssh ip172-4 8-0-4 5-cdhojpu0qau000Bf9650/direct labs play

192.168.0.13 EDITOR

```
[node1] (local) root@192.168.0.13 ~
$ docker pull sandeepdoodigani/jobportalapp
Using default tag: latest
latest: Pulling from sandeepdoodigani/jobportalapp
0e29546d541c: Pull complete
9b829c73b52b: Pull complete
cb5b7ae36172: Pull complete
6494e4811622: Pull complete
6f9f74896dfa: Pull complete
5e3b1213efc5: Pull complete
9fddfdc56334: Pull complete
404f02044bac: Pull complete
c4f42be2be53: Pull complete
296c00cdb64e: Pull complete
86df5f9cfbe4: Pull complete
b0a57da07333: Pull complete
96d74d4156fd: Pull complete
778a951e5719: Pull complete
Digest: sha256:e8590bc86f5d2ef2f85536f570fe49a5fec2893ebfd146f5aa63dcde9f9bdd24
Status: Downloaded newer image for sandeepdoodigani/jobportalapp:latest
docker.io/sandeepdoodigani/jobportalapp:latest
[node1] (local) root@192.168.0.13 ~
$
```

@ Type here to search

Bing X Google Account X M Inbox (87) - agiTaganesan09 X @ E'ocker Playground X uifd/ui-for-docker - Docker X +

@ 9 labs.play-with-docker.com/p/'cdhojpu0qau0008f9G50+cdhojpu0 cdhokt63tccg00fmt3n0

cdhojpu0 cdhokt63tccg00fmt3n0

192168.0.13 OPEN PO FIT

30.37a (4 4 86GiB / 3.906GiB) 0.38k

+ ADO NEW TNSTANC E ssh ip172-4 8-0-4 5-cdhojpu0qau000Bf9650/direct labs play

I92.168.0.13 EDITOR

```
86df5f9cfbe4: Pull complete
b0a57da07333: Pull complete
96d74d4156fd: Pull complete
778a951e5719: Pull complete
Digest: sha256:e8590bc86f5d2ef2f85536f570fe49a5fec2893ebfd146f5aa63dcde9f9bdd24
Status: Downloaded newer image for sandeepdoodigani/jobportalapp:latest
docker.io/sandeepdoodigani/jobportalapp:latest
[node1] (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for docker
"docker pull" requires exactly 1 argument.
See 'docker pull --help'.

Usage:  docker pull [OPTIONS] NAME[:TAG|@DIGEST]

Pull an image or a repository from a registry
[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 ~
$
```

@ Type here to search

Bing | Googl | Inbox | uifd/ui | Docke | Install | Nutriti | Play w | Docke | JOBPC | UI For

@ 9 labs.play-with-docker.com/p/cdhtr8m3tccg00fmtjig4cdhtr8m3 cdhtrsv9 1 rrg00a0uhdg

cdhirBm3 cdhtrsv91rrg00a0uhdg

192.168.0.28 OPEN POFIT 8080

32. 8S (4 .257GiB / 3.90 6GiB) 025%

* ADO NEW INSTANCE ssh ip172-4 8-0-29-cdhtr8m3tccg00fmtjig@direct.labs.play-

192.168.0.28
node1

EDITOR

```
[node1] (local) root@192.168.0.28 ~
$ docker run -p 8080:8080 sandeepdoodigani/jobportalapp
 * Serving Flask app 'app' (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on all addresses.
   WARNING: This is a development server. Do not use it in a production deployment.
 * Running on http://172.17.0.3:8080/ (Press CTRL+C to quit)
172.18.0.1 - - [03/Nov/2022 15:48:02] "GET / HTTP/1.1" 200 -
172.18.0.1 - - [03/Nov/2022 15:48:03] "GET /css/style.css HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:48:03] "GET /static/img/smartinternz.png HTTP/1.1" 200 -
172.18.0.1 - - [03/Nov/2022 15:48:09] "GET /assets/img/favicon-32x32.png HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:48:25] "GET /login HTTP/1.1" 200 -
172.18.0.1 - - [03/Nov/2022 15:48:28] "GET /css/style.css HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:48:28] "GET /static/img/smartinternz.png HTTP/1.1" 304 -
172.18.0.1 - - [03/Nov/2022 15:48:48] "GET /register HTTP/1.1" 200 -
172.18.0.1 - - [03/Nov/2022 15:48:49] "GET /static/img/smartinternz.png HTTP/1.1" 304 -
172.18.0.1 - - [03/Nov/2022 15:48:49] "GET /css/style.css HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:49:35] "GET /contact.html HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:49:36] "GET /favicon.ico HTTP/1.1" 404 -
```

@ Type here to search

Smart Internz

LOGIN REGISTER CONTACT US

Aboutus

Mission

SMARTBRJDGE is an edTech organization with a vision to bridge the gap beMeen academia & industry. Our outcome-based experiential)earninp programs on emerging technologies (Internet of Things, Machine Leafninp, Data Science, Artificial Intelligence, Robotics) are building skilled entry — level enpiriees, for the corporate. wortd. .

Vission

Our main objective is to bridge the existing paps between prevailing industry standards and what the academics offer to the graduates while passing out of university. SmartBridge offers suitable skill deployment and training to the young talent before on boarding their first job. Our skill development programs are designed considering the present expectations in the industry,

Objective

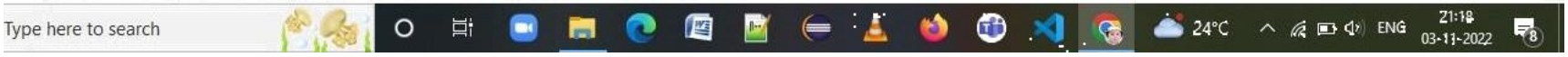
Welj directed career guidance programs far educational institutions Appropriate certification courses that suit the industry need Train the trainers; expanded awareness about the Cuwent industry standards Liaise with corporates to offer niche internships Establish technology development centers. in colleges Specialised mcubatian centers in callabofatzon with corporates

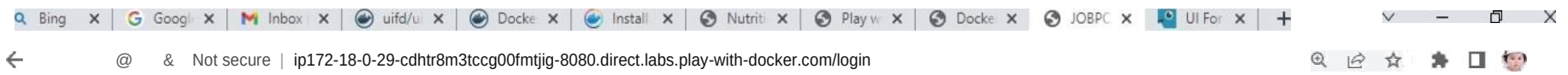
JobPortal

Lorem ipsum dolor sit amet consectetur adipisicing e|it, **Voluptatum** guis, reiciertdis id rnagni magnam, accusamus nobis **in, temparibus** malestias ab placeat rerum aperiam illum perspiciatis ducimus non! Fugiat, odit ducimus.

Get in Touch

- jobportal@gmail.com
- +91 8977787657





Smart Internz

Login Form

Enter Your Use name

Enter Your Password

Login

Don’t have an account yet* Click here to register!

@ Type here to search

Smart Internz

Register Form

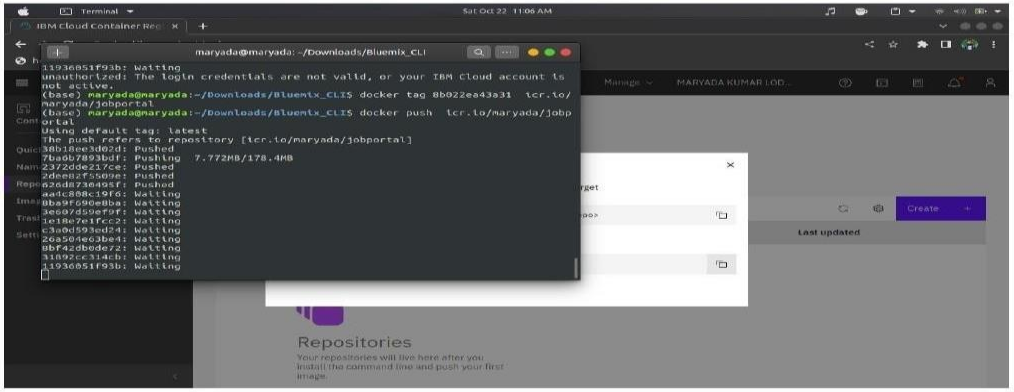
Enter Your Username

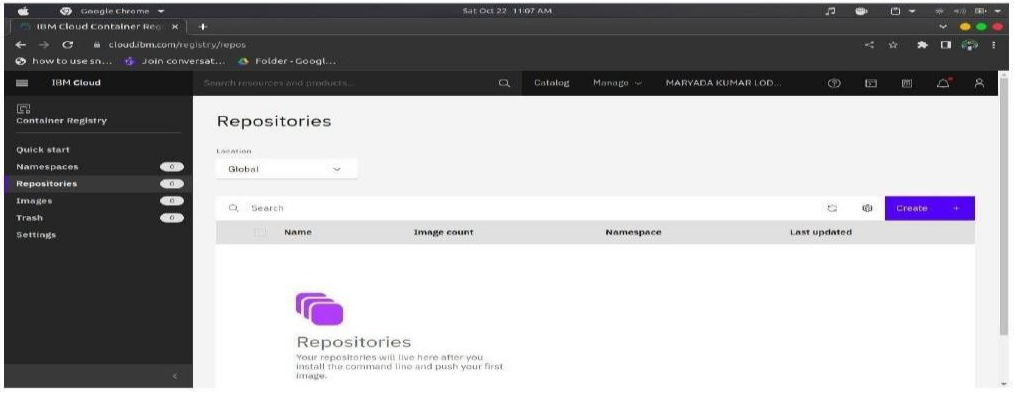
Enter Your Email ID

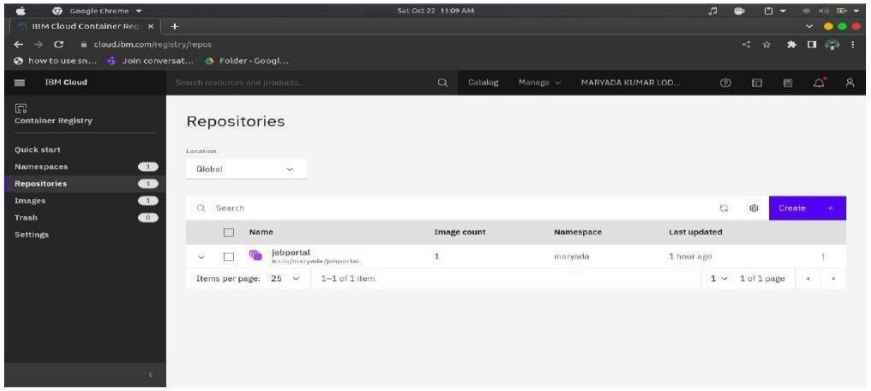
Enter Your Password

already have an account ? please login login!

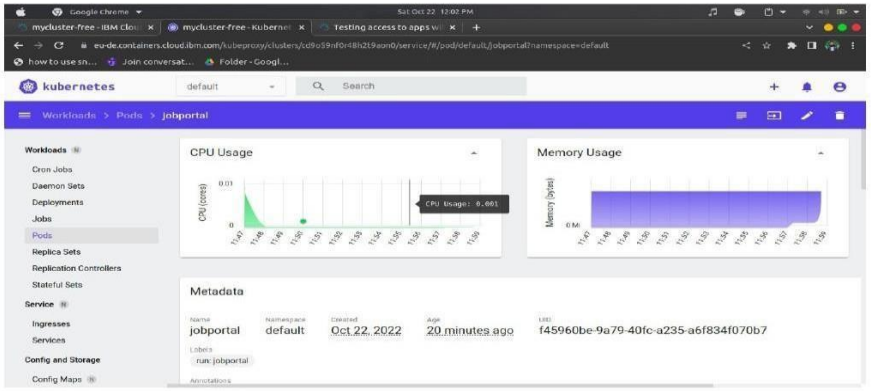
3. Create a IBM container registry and deploy helloworld app or jobportalapp.

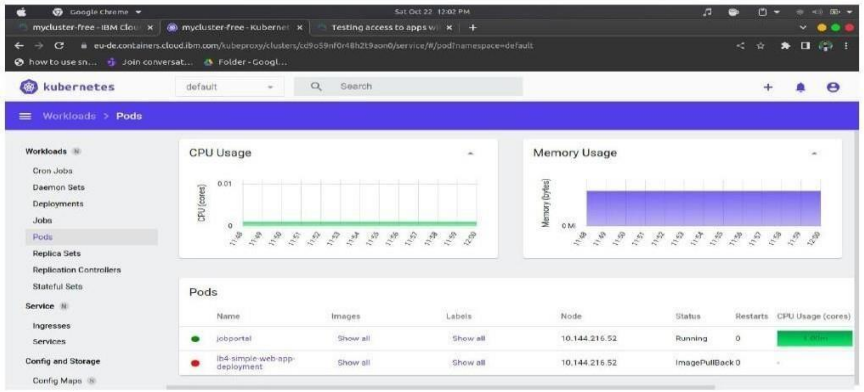






4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.




Google Chrome
Sat Oct 22 12:02 PM
mycluster-free - IBM Clou
mycluster-free - Kubernet
Testing access to apps w
eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cd9o59nf0r48h2t9aon0/service/#/pod?namespace=default
how to use sn...
Join conversat...
Folder - Googl...
kubernetes
default
Search
Workloads > Pods
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Services
Config and Storage
Config Maps
CPU Usage
CPU (cores)
0.01
0
Memory Usage
Memory (bytes)
0 Mi
Pods
Name
Images
Labels
Node
Status
Restarts
CPU Usage (cores)
jobportal
Show all
Show all
10.144.216.52
Running
0
lb4-simple-web-app-deployment
Show all
Show all
10.144.216.52
ImagePullBack
0