

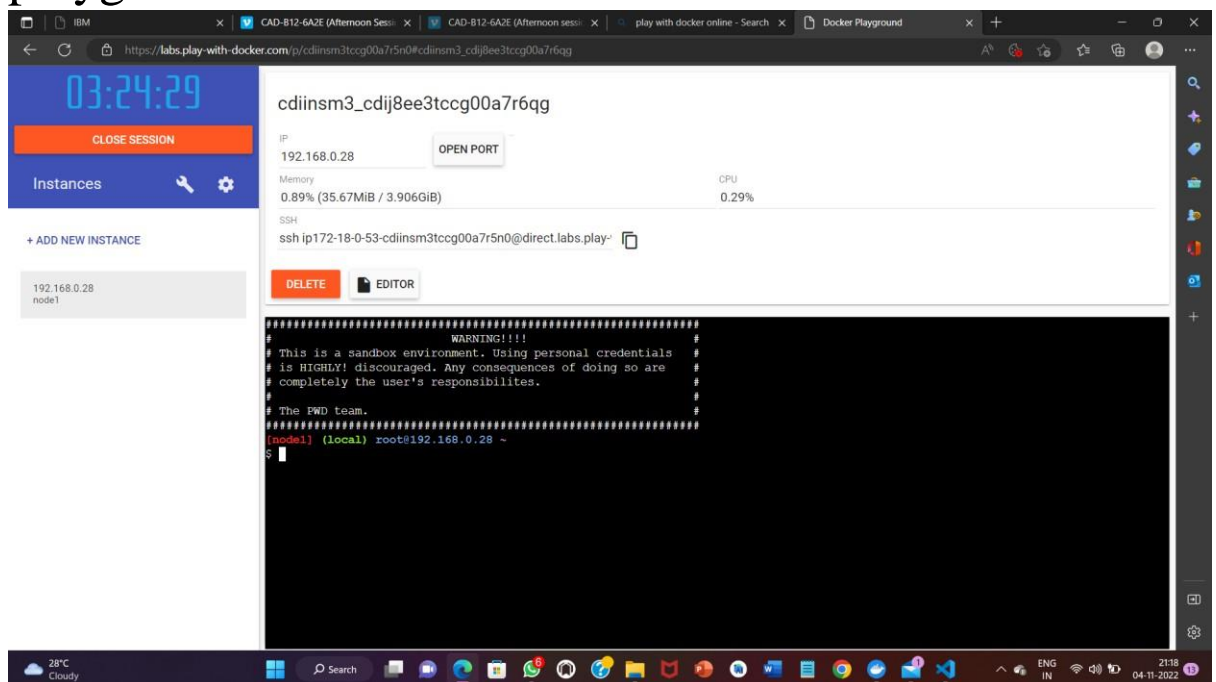
Assignment -4

Customer Care Registry

Team id:PNT2022TMID42765

Kubernetes and Docker

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



02:45:24

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.28
node1

cdiinsm3_cdi8ee3tccg00a7r6qg

IP
192.168.0.28

OPEN PORT

Memory
1.14% (45.68MiB / 3.906GiB)

CPU
0.08%

SSH
ssh ip172-18-0-53-cdiinsm3tccg00a7r5n0@direct.labs.play-

DELETE

EDITOR

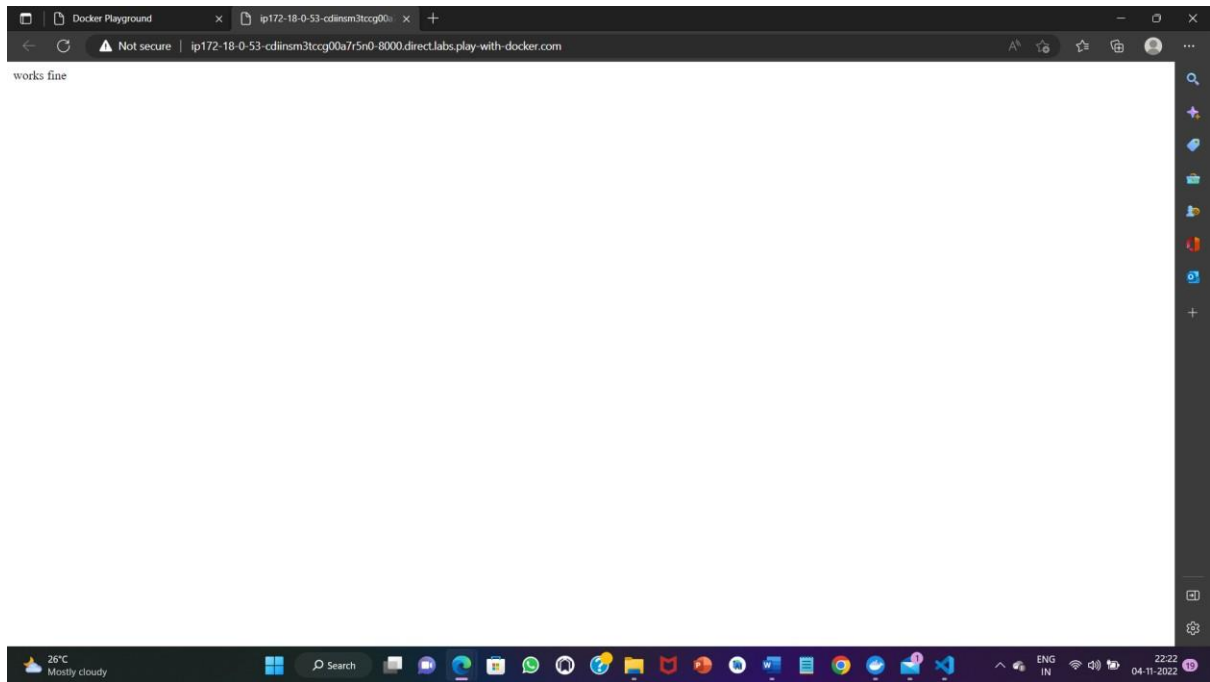
```
[node1] (local) root@192.168.0.28 ~
$ docker build -t helloapp .
Sending build context to Docker daemon 24.58kB
Step 1/6 : FROM python
latest: Pulling from library/python
17c9e6141fdb: Pull complete
de4a4c6caea8: Pull complete
4edead897ae6: Pull complete
a7969c9fbf46: Pull complete
746fde6af91: Pull complete
16fe51aed899: Pull complete
e9ee507bb0de: Pull complete
4d9dbb46d211: Pull complete
3b9b3c4e849c: Pull complete
Digest: sha256:fc809ada71c087cec7e2d2244bcb9fbal37638978a669f2aaf6267db43e89fdf
Status: Downloaded newer image for python:latest
--> 00cd1fb8bdcc
Step 2/6 : WORKDIR /app
--> Running in e81d12fal1f22
Removing intermediate container e81d12fal1f22
--> 1c60c3bb3bef
Step 3/6 : COPY . .
--> 2c8f66eb4834
```

26°C
Mostly cloudy

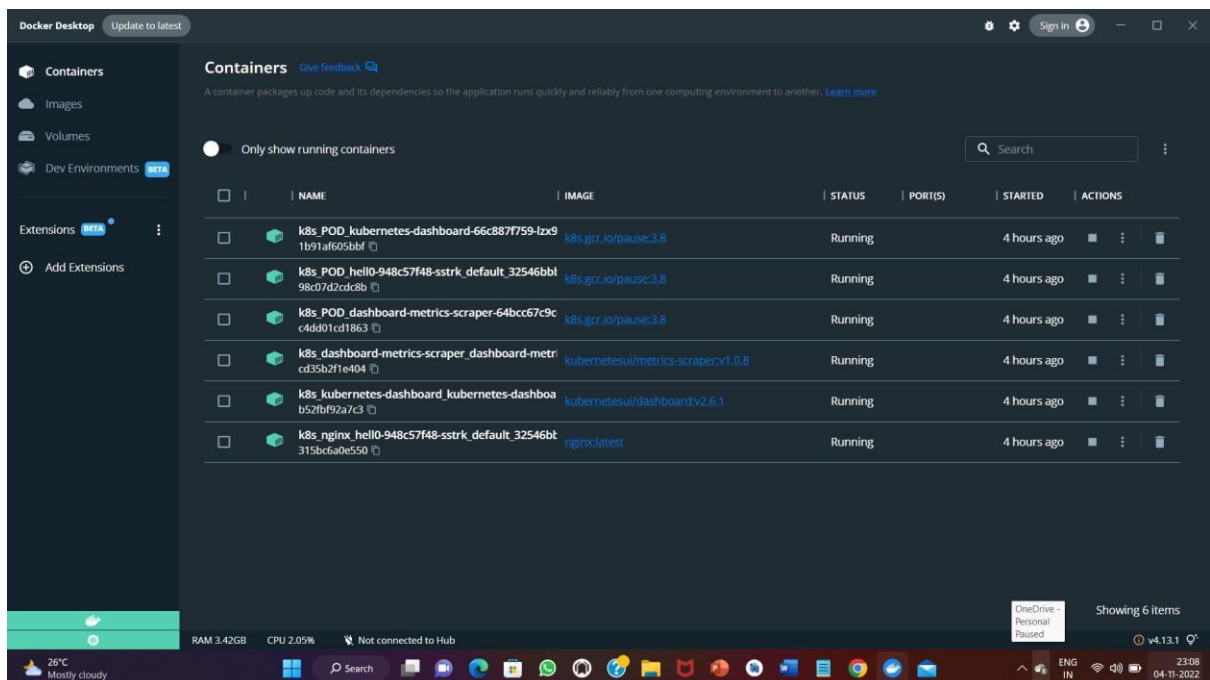
Search

ENG
IN

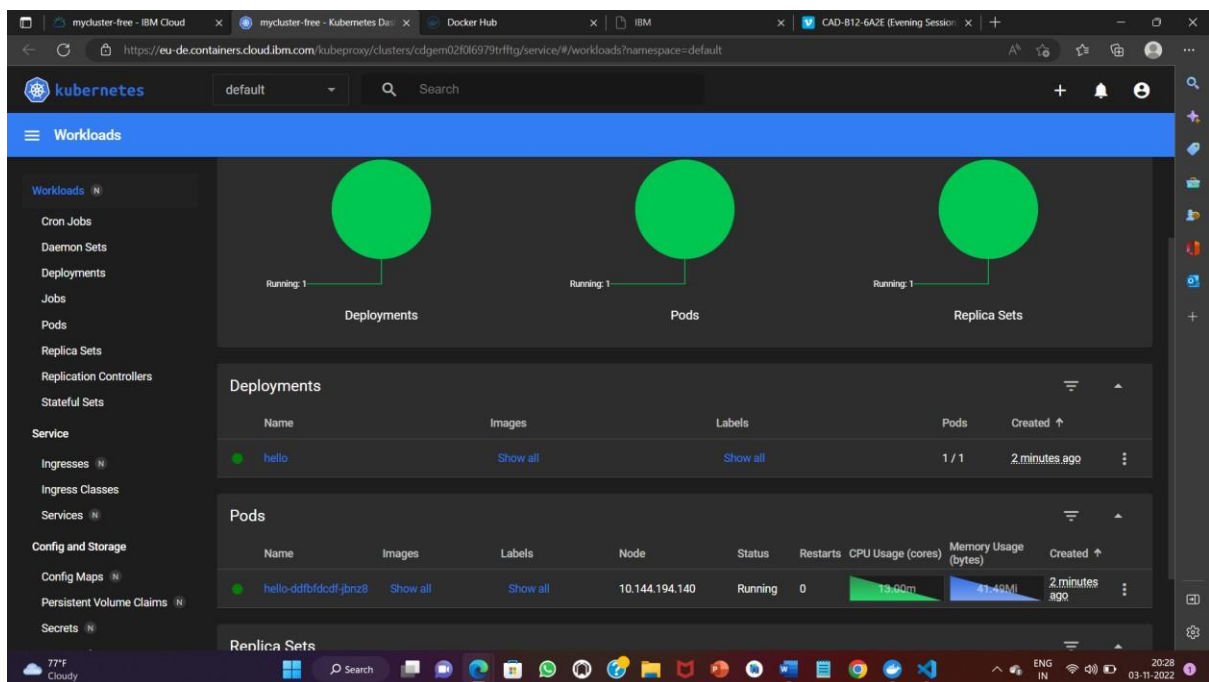
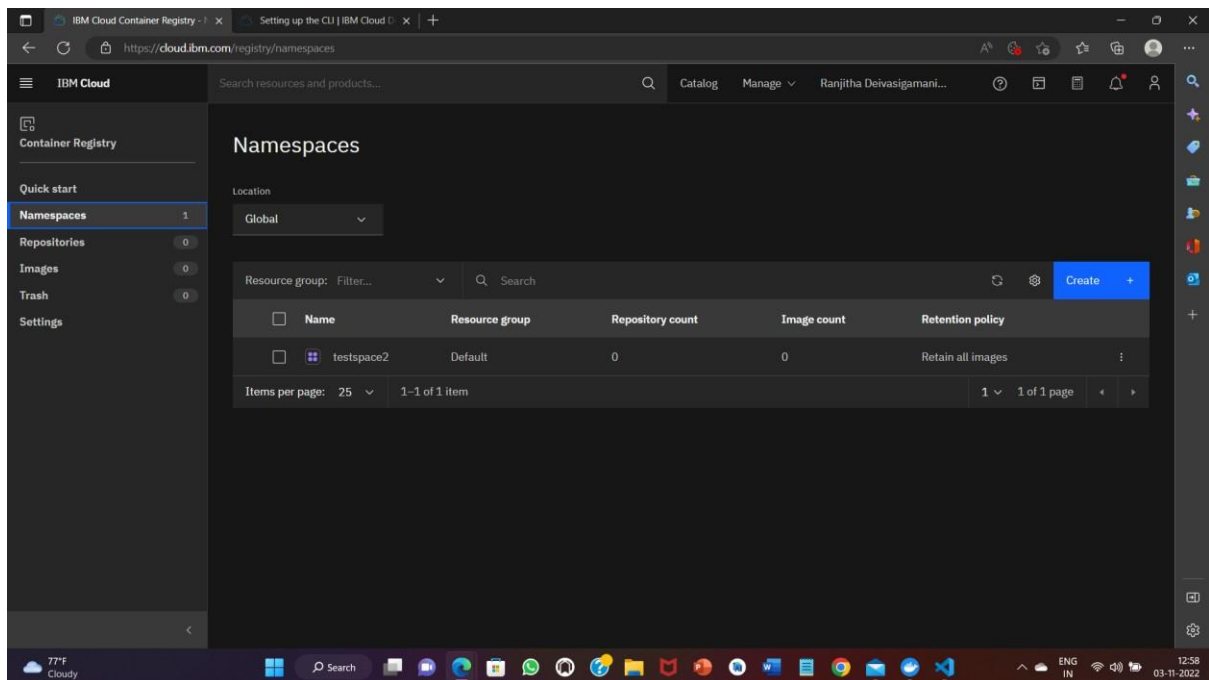
21:57
04-11-2022



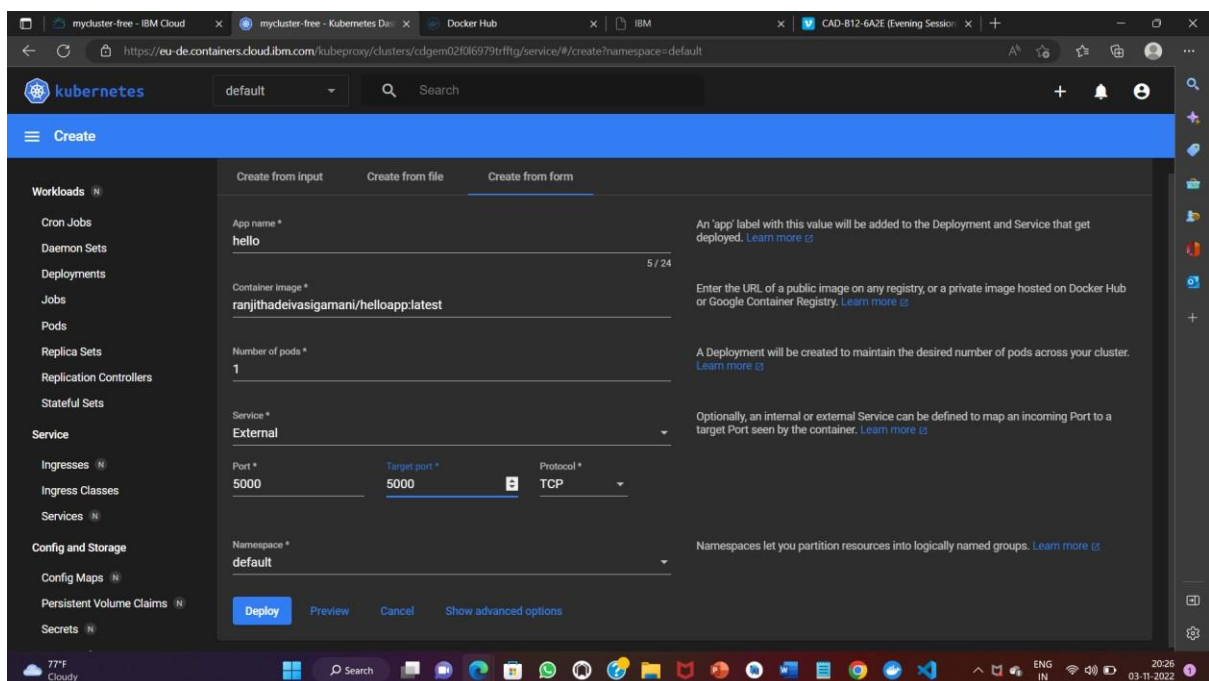
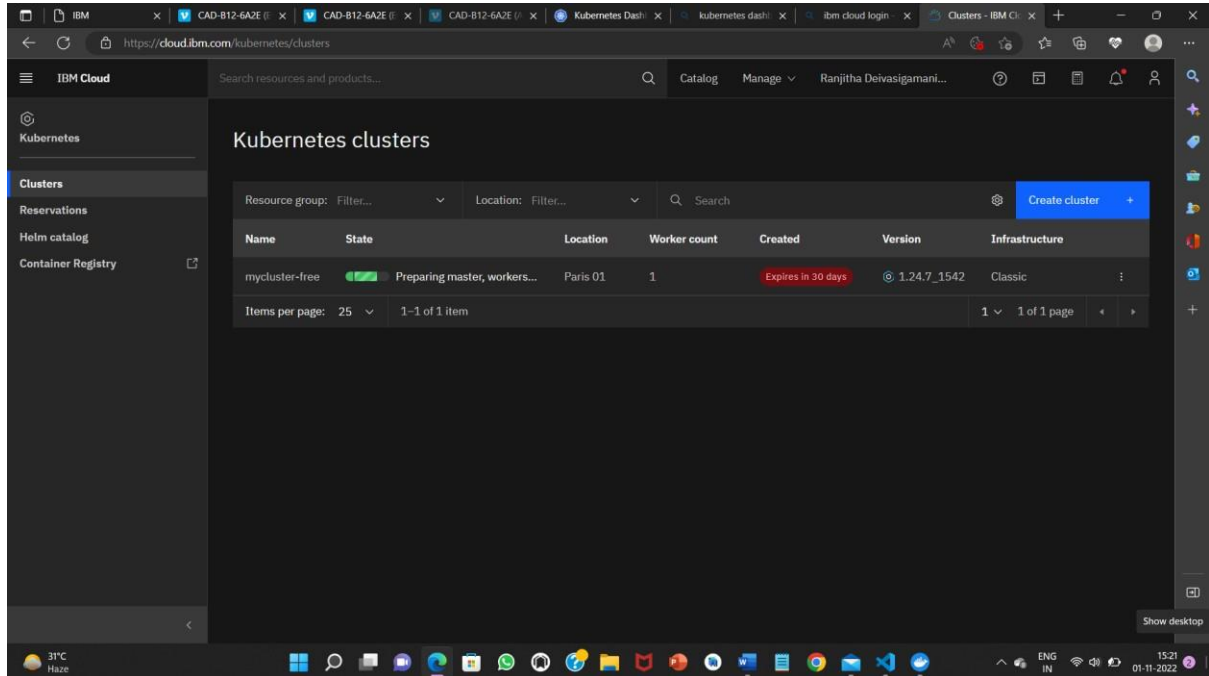
2. Create a Docker file for the job portal application and deploy it the docker desktop application.



3. Create an IBM container registry and deploy hello world app or job portal job.



4. Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in nodeport.



mycluster-free - IBM Cloud | mycluster-free - Kubernetes Dashboard | Docker Hub | IBM | CAD-B12-6A2E (Evening Session)


https://eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdgem02f06979trfftg/service/#/workloads?namespace=default

kubernetes default Search

Workloads


- Workloads
- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets
- Service
- Ingresses
- Ingress Classes
- Services
- Config and Storage
- Config Maps
- Persistent Volume Claims
- Secrets

Running: 1




Deployments

Running: 1



Pods

Running: 1



Replica Sets

Deployments

Name	Images	Labels	Pods	Created
hello	Show all	Show all	1 / 1	2 minutes ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
hello-d4fbfcdcf-jbrz8	Show all	Show all	10.144.194.140	Running	0	13.90m	41.48Mi	2 minutes ago

Replica Sets

Name	Images	Labels	Pods	Created
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77°F Cloudy | Search | 20:28 03-11-2022