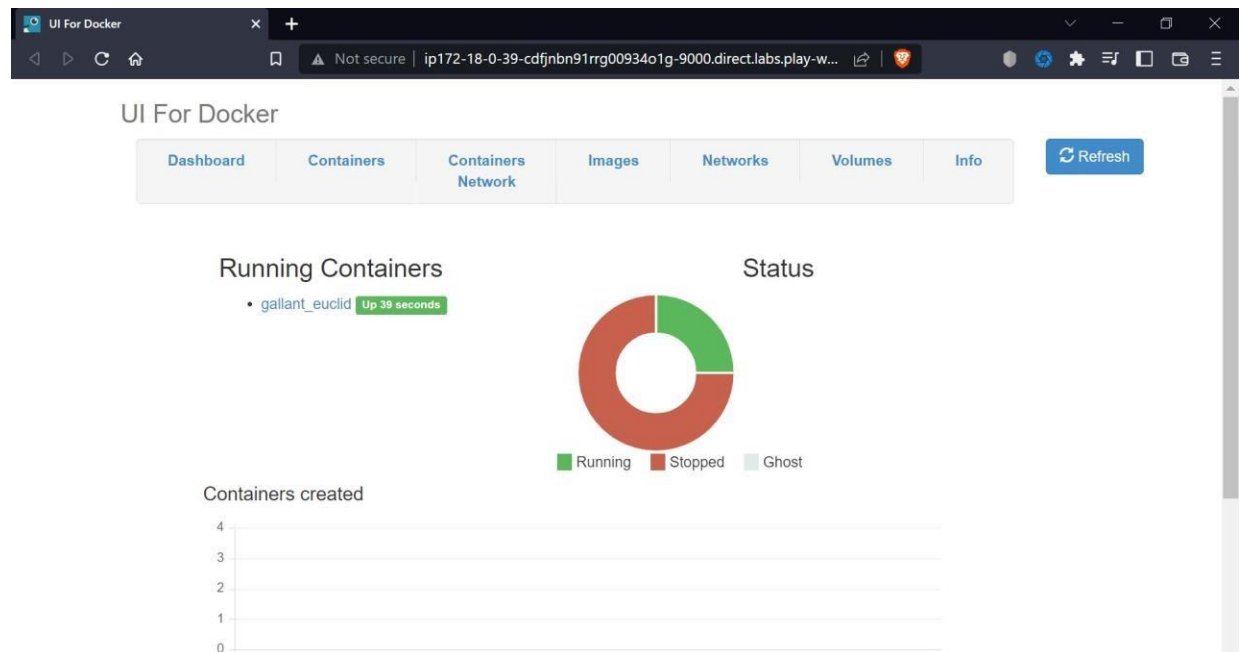


## ASSIGNMENT - 4

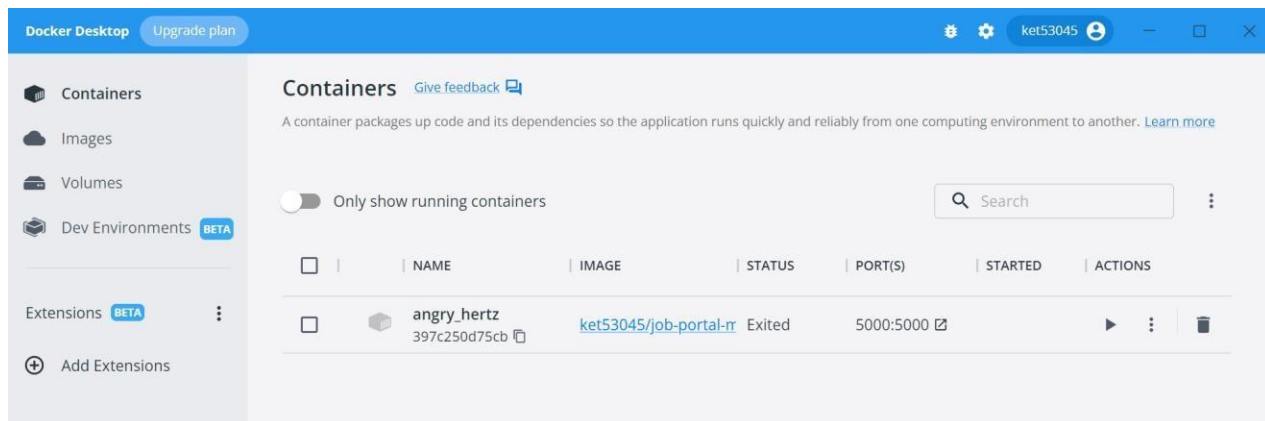
Team ID	PNT2022TMID49791
Project Name	Project - Plasma Donor Application

Q1.

```
[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: Already exists
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
8a6a3e24da6dcc3851f373e3d6f41230fcflcf078e787eaf26b4ae7e2494491e
[node1] (local) root@192.168.0.28 ~
$ docker ps
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                NAMES
8a6a3e24da6d   uifd/ui-for-docker   "/ui-for-docker"        7 seconds ago   Up 5 seconds   0.0.0.0:9000->9000/tcp   gallant_euclid
[node1] (local) root@192.168.0.28 ~
$ docker stop 8a6a3e24da6d
8a6a3e24da6d
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY      TAG        IMAGE ID      CREATED        SIZE
ubuntu          latest     cdb68b455a14  6 days ago    77.8MB
hello-world     latest     feb5d9fea6a5  13 months ago 13.3kB
uifd/ui-for-docker latest     965940f98fa5  6 years ago   8.1MB
[node1] (local) root@192.168.0.28 ~
$ docker rmi -f uifd/ui-for-docker
Untagged: uifd/ui-for-docker:latest
Untagged: uifd/ui-for-docker@sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Deleted: sha256:965940f98fa591b5a98d0d7063de58f9fb04f79f0a6a1046c25f971416130d88
[node1] (local) root@192.168.0.28 ~
$ docker ps
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                NAMES
```



Q2.




```
C:\Users\Krupa>docker tag job-portal-main ket53045/job-portal-main


C:\Users\Krupa>docker push ket53045/job-portal-main
Using default tag: latest
The push refers to repository [docker.io/ket53045/job-portal-main]0bcd40e063b0: Pushed
3651397f5942: Pushed
a8b44c9771e7: Pushed
43bda36c466c: Pushed
b0859dc64c29: Pushed
aa4c808c19f6: Mounted from library/python
8ba9f690e8ba: Mounted from library/python
3e607d59ef9f: Mounted from library/python
1e18e7e1fcc2: Mounted from library/python
c3a0d593ed24: Mounted from library/python
26a504e63be4: Mounted from library/python
8bf42db0de72: Mounted from library/python
31892cc314cb: Mounted from library/python
11936051f93b: Mounted from library/python
latest: digest: sha256:2b108f1d1dc3c80a1037f647728837ab8146a7ad43c9d2a775779dfaa2922ea1 size: 3259

C:\Users\Krupa>
```


## ket53045 / job-portal-main

### Description

First Job Portal App based on IBM Training Video 12 

 Last pushed: 5 minutes ago

### Tags and scans

 VULNERABILITY SCANNING - DISABLED

[Enable](#)

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
 latest		Image	---	5 minutes ago

[See all](#)

[Go to Advanced Image Management](#)

Q3.

```
C:\Users\Krupa> docker push au.icr.io/job-portal-v1/repo1:job-portal-main
The push refers to repository [au.icr.io/job-portal-v1/repo1]
0bcd40e063b0: Pushed
3651397f5942: Pushed
a8b44c9771e7: Pushed
43bda36c466c: Pushed
b0859dc64c29: Pushed
aa4c808c19f6: Pushed
8ba9f690e8ba: Pushed
3e607d59ef9f: Pushed
1e18e7e1fcc2: Pushed
c3a0d593ed24: Pushed
26a504e63be4: Pushed
8bf42db0de72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
job-portal-main: digest: sha256:2b108f1d1dc3c80a1037f647728837ab8146a7ad43c9d2a775779dfaa2922ea1 size: 3259
```

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

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Location

Sydney

View by: Digest

Search

Create

Repository@digest	Tags	Manifest type	Created	Size	Security status
job-portal-v1/repo1@sha256:2b108f1d1dc3...	job-portal-main	Docker	2 days ago	435 MB	100 issues

Items per page: 25 1-1 of 1 item

JOBPORTAL | HOME

localhost:5000

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## Aboutus

### Mission

SMARTBRIDGE is an edTech organization with a vision to bridge the gap between academia & industry. Our outcome-based experiential learning programs on emerging technologies (Internet of Things, Machine Learning, Data Science, Artificial Intelligence, Robotics) are building skilled entry-level engineers, for the corporate world.

### Vision

Our main objective is to bridge the existing gaps 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

Well directed career guidance programs for educational institutions. Appropriate certification courses that suit the industry need, train the trainers; expanded awareness about the current industry standards, liaise with corporates to offer niche internships, Establish technology development centers in colleges, Specialised incubation centers in collaboration with corporates

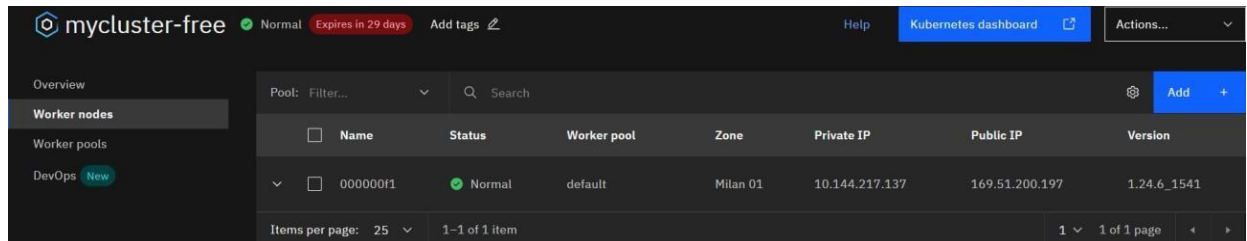
## JobPortal

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Qui

## Get in Touch

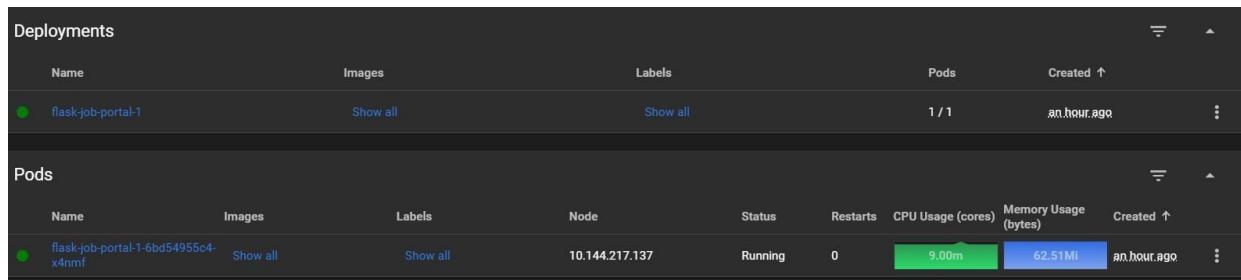
• [jobportal@gmail.com](mailto:jobportal@gmail.com)

Q4.



The screenshot shows the 'mycluster-free' Kubernetes dashboard. The left sidebar has 'Worker nodes' selected. The main area displays a table of worker nodes. The table has columns: Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. One node is listed with ID 000000f1, status 'Normal', in the 'default' pool, 'Milan 01' zone, with private IP 10.144.217.137 and public IP 169.51.200.197. The version is 1.24.6\_1541.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000f1	Normal	default	Milan 01	10.144.217.137	169.51.200.197	1.24.6_1541



The top screenshot shows the 'Deployments' section with one deployment: 'flask-job-portal-1'. It has 1 pod. The bottom screenshot shows the 'Pods' section with one pod: 'flask-job-portal-1-6bd54955c4-x4nmf'. It is running on node 10.144.217.137 with 9.00m CPU usage and 62.51Mi memory usage.

Name	Images	Labels	Pods	Created
flask-job-portal-1	Show all	Show all	1 / 1	an hour ago

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
flask-job-portal-1-6bd54955c4-x4nmf	Show all	Show all	10.144.217.137	Running	0	9.00m	62.51Mi	an hour ago

```
C:\Users\Krupa>kubectl expose deployments/flask-job-portal-1 --type=NodePort --name=jp1-service --port=5000 --target-port=5000
service/jp1-service exposed
```

```
C:\Users\Krupa>kubectl describe service jp1-service
Name:                jp1-service
Namespace:            default
Labels:               k8s-app=flask-job-portal-1
Annotations:          <none>
Selector:             k8s-app=flask-job-portal-1
Type:                 NodePort
IP Family Policy:     SingleStack
IP Families:          IPv4
IP:                   172.21.157.118
IPs:                  172.21.157.118
Port:                 <unset> 5000/TCP
TargetPort:           5000/TCP
NodePort:             <unset> 31831/TCP
Endpoints:            172.30.89.205:5000
Session Affinity:     None
External Traffic Policy: Cluster
Events:               <none>
```



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