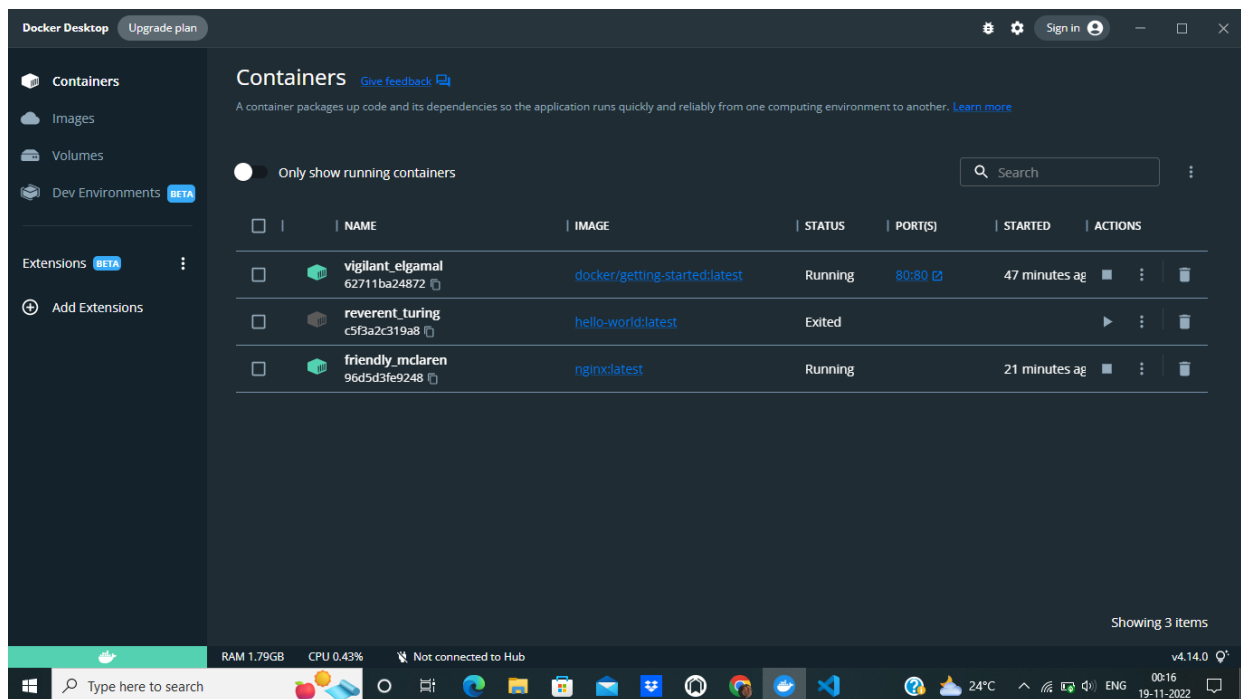


## Assignment -4

TEAM ID	PNT2022TMID48385
PROJECT NAME	NEWS TRACKER
STUDENT NAME	Keerthika R

1. Pull an Image from docker hub and run it in docker playground.
2. Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.



IBM mail × IBM × CAD-B1-1M3 × IBM-Project- × CAD-B1-1M3 × sendgrid-Py × IBM Cloud Co × cloud.ibm.co ×

cloud.ibm.com/registry/repos

cloud.ibm.com

IBM Cloud

Search resources and products...

Catalog Manage Mathumitha Muniyasa...

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings


Repositories

Location

Tokyo

Search

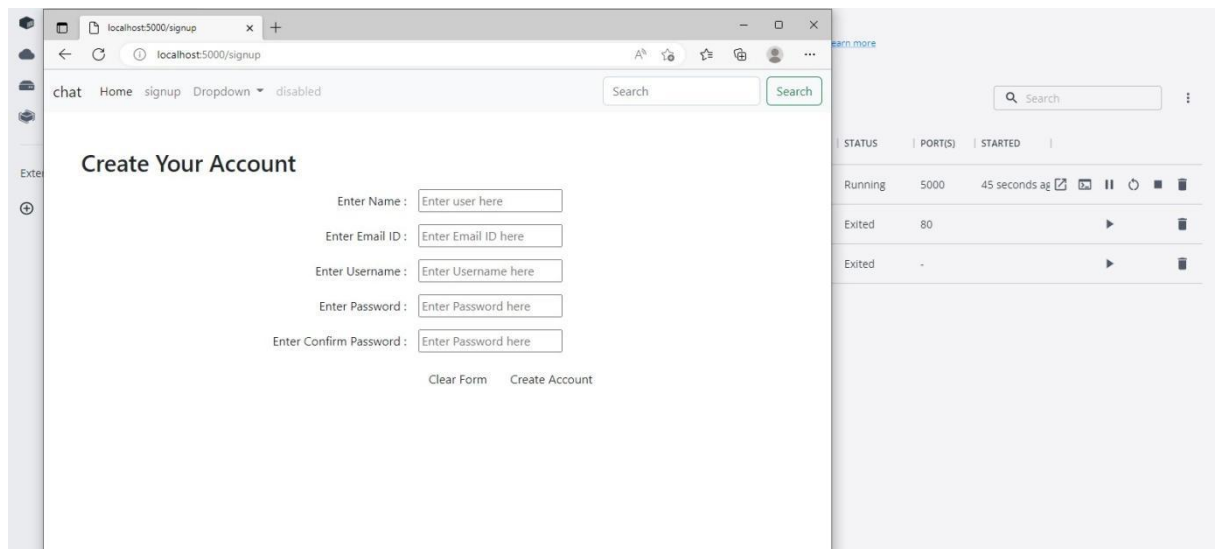
Create

	Name	Image count	Namespace	Last updated
▼	 nginx jp.icr.io/data/nginx	1	data	3 days ago

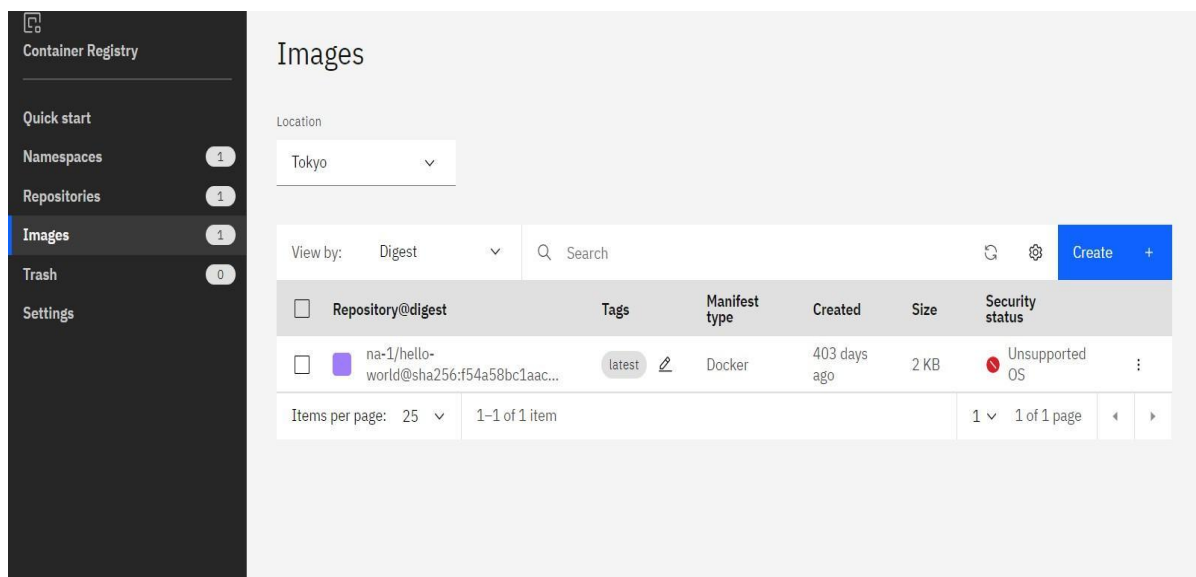
Items per page: 25 1-1 of 1 item 1 1 of 1 page

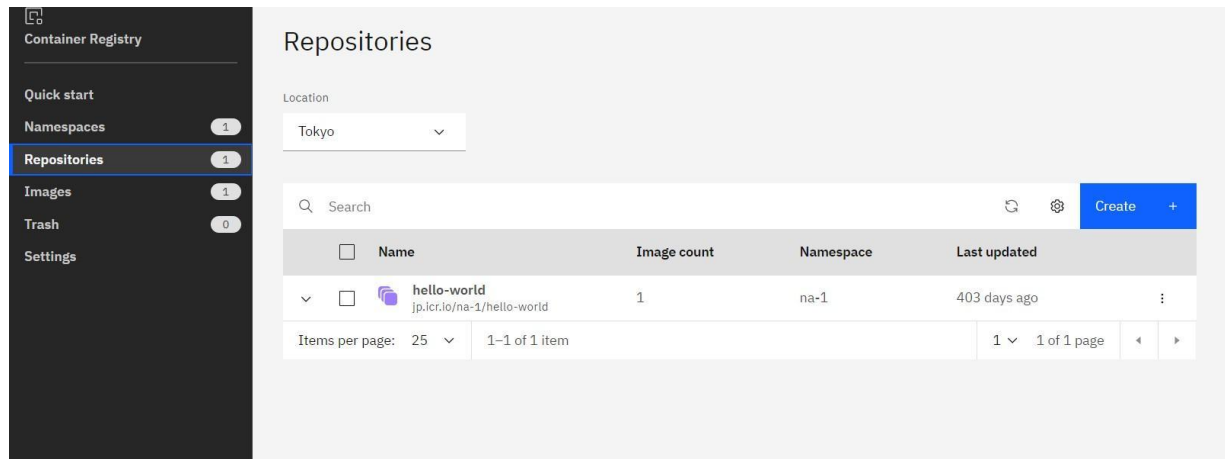
Type here to search

24°C ENG 00:57 19-11-2022



### 3. Create an IBM **container registry** and **push docker image** of flask application or job portal app.





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

Browser tabs: Welcome to Project! Delighted to... IBM IBM-EPBL/IBM-Project-41638-16 Clusters - IBM Cloud

Address bar: cloud.ibm.com/kubernetes/clusters

Navigation: Gmail YouTube Maps


IBM Cloud Header: Search resources and products... Catalog Manage keerthika R's Account

Left Sidebar: Kubernetes Clusters Reservations Helm catalog Container Registry

### Kubernetes clusters

Resource group: Filter... Location: Filter... Search [Create cluster](#)

Name	State	Location	Worker count	Created	Version	Infrastructure
------	-------	----------	--------------	---------	---------	----------------



### Clusters

Start by creating a cluster that is just right to run your workloads.

[Create cluster](#)

Taskbar: DOCKER CLI INSTA...pdf 27°C Haze 11:48 AM 11/19/2022

Browser tabs: Welcome to Project! Delighted to... IBM IBM-EPBL/IBM-Project-41638-16 Create a Cluster - IBM Cloud

Address bar: cloud.ibm.com/kubernetes/catalog/create

Navigation: Gmail YouTube Maps

IBM Cloud Header: Search resources and products... Catalog Manage keerthika R's Account

### Kubernetes cluster

Author: IBM • [Docs](#) • [API docs](#)

[Create](#) [About](#)

Deliver your apps quicker across clouds with [Red Hat OpenShift](#)

#### Plan details

Learn more about the differences between plans in our [docs](#).

Pricing plan: Free

#### Summary

**Kubernetes cluster**

**Worker node** Free

Free - 2 vCPUs 4GB RAM  
Virtual - shared  
Ubuntu 18

**Total estimated cost** Free/mo

*Additional charges for networking and bandwidth might apply.  
Actual monthly total will vary with tiered pricing.  
Estimate does not include costs for integrations.*

[Create](#)

[Add to estimate](#)

Taskbar: DOCKER CLI INSTA...pdf 27°C Haze 11:48 AM 11/19/2022

The screenshot displays the IBM Cloud console interface for a Kubernetes cluster named 'mycluster-free'. The top navigation bar includes the IBM Cloud logo, a search bar, and user account information. The left sidebar shows the 'Clusters' section with 'mycluster-free' selected, and sub-tabs for 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps'. The main content area features a warning banner indicating the cluster will expire in 30 days. Below this, a table provides details about the cluster's components:

Node status	Master status	Ingress status	Details								
1 of 1 Pending	Unknown	Pending	<table border="1"> <thead> <tr> <th>Cluster ID</th> <th>Version</th> <th>Infrastructure</th> <th>Zones</th> </tr> </thead> <tbody> <tr> <td>ede7ac5f6b0a3e...</td> <td>1.24.8-1544</td> <td>Classic</td> <td>Milan 01</td> </tr> </tbody> </table>	Cluster ID	Version	Infrastructure	Zones	ede7ac5f6b0a3e...	1.24.8-1544	Classic	Milan 01
Cluster ID	Version	Infrastructure	Zones								
ede7ac5f6b0a3e...	1.24.8-1544	Classic	Milan 01								

A right-hand sidebar titled 'Help' offers various actions like 'Log in to your cluster', 'Deploy your app', and 'Troubleshoot'.