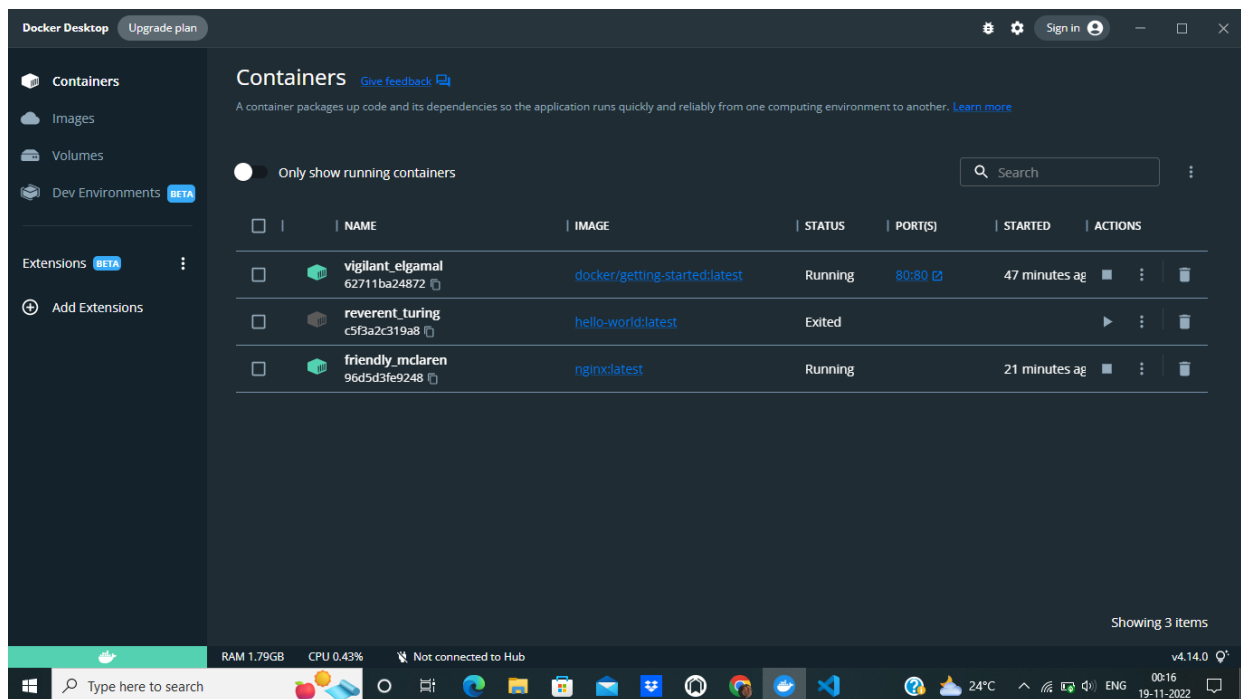


Assignment -4

TEAM ID	PNT2022TMID48385
PROJECT NAME	NEWS TRACKER
STUDENT NAME	Meenu sri

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

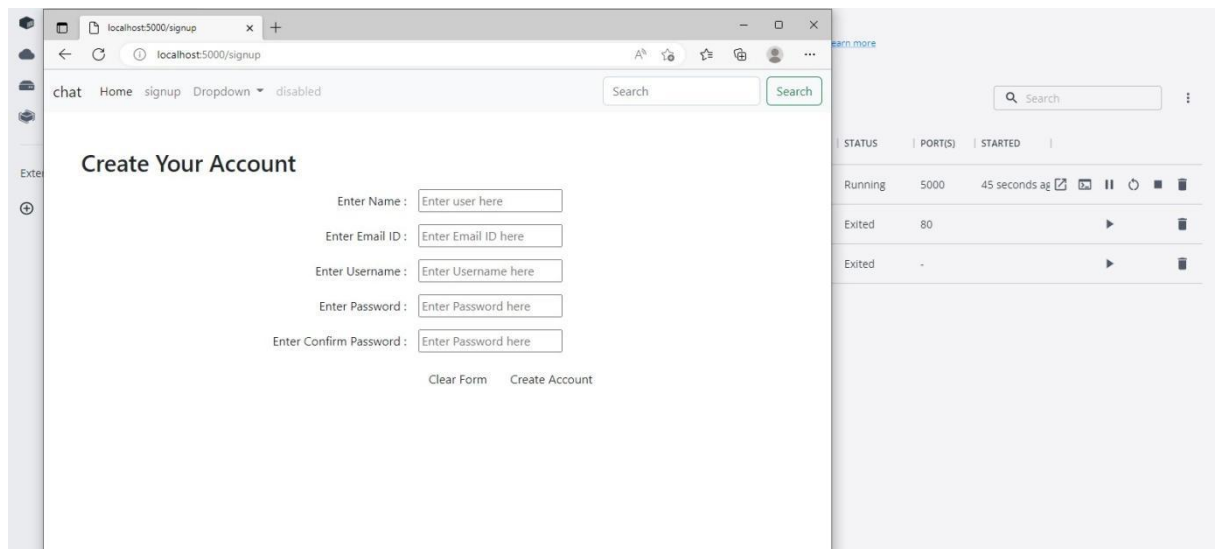
	Name	Image count	Namespace	Last updated
	nginx jp.icr.io/data/nginx	1	data	3 days ago

Items per page: 25 1-1 of 1 item

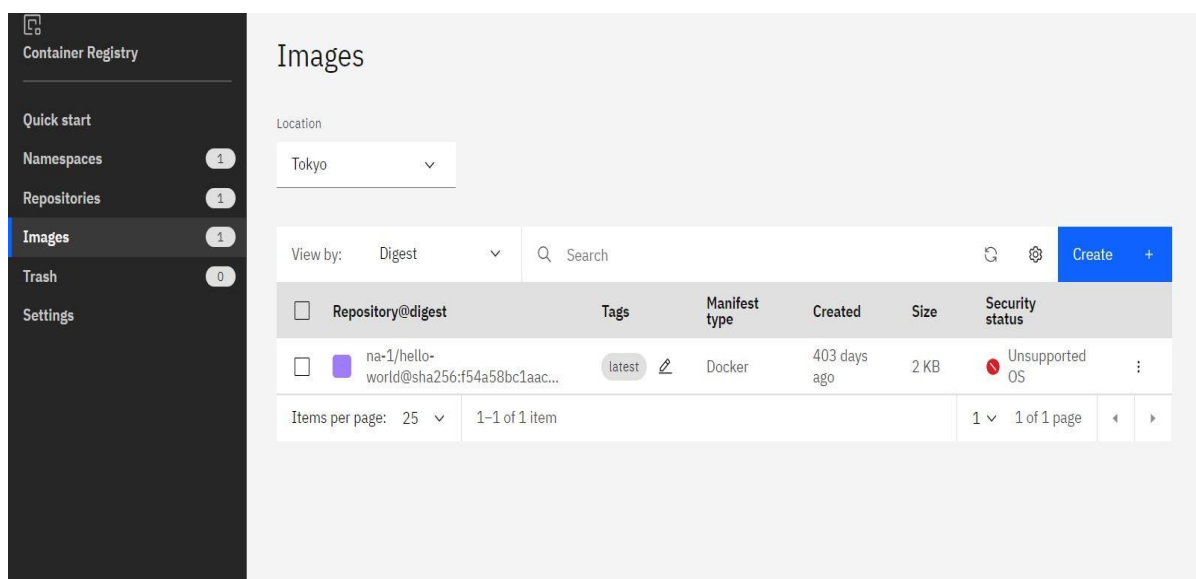
1 1 of 1 page

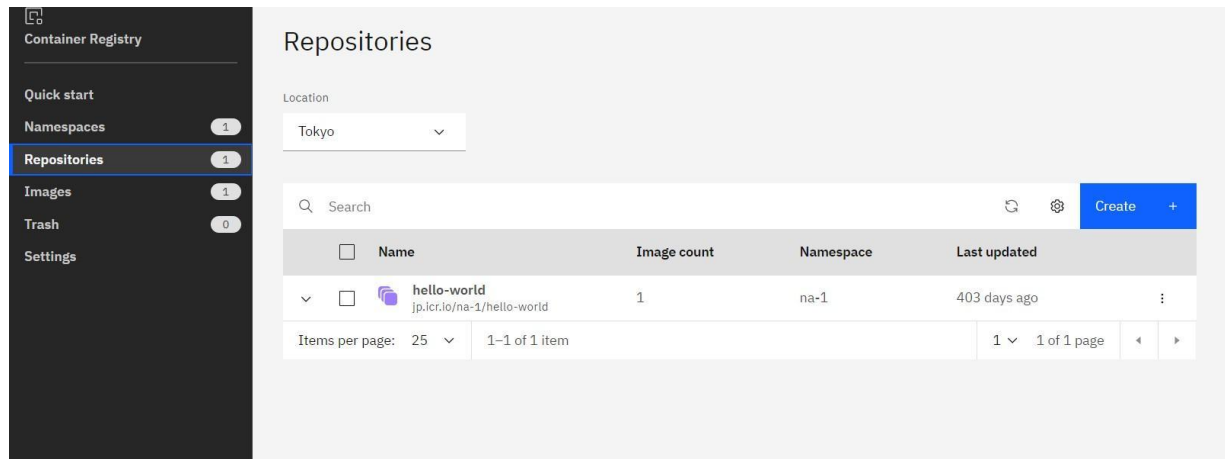
Type here to search

24°C 19-11-2022 00:57



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

Breadcrumbs: Kubernetes / Clusters /

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

United States

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

Welcome to Project! Delighted to...IBMIBM-EPBL/IBM-Project-41638-16mycluster-free - IBM Cloud

cloud.ibm.com/kubernetes/clusters/cds7ac5f0uhqlodac010/overview

GmailYouTubeMaps

IBM CloudSearch resources and products...CatalogManage▼keerthika R's Account

Clusters /mycluster-freeHelpKubernetes dashboardActions...Expires in 30 daysAdd tagsPreparing master, workers...

OverviewWorker nodesWorker poolsDevOps New

Expires in 30 days: Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a [standard cluster](#).

Node status1 of 1PendingDetails

Master statusUnknownDocs

Ingress statusPendingDocs

Details

Cluster ID	Version	Infrastructure	Zones
cds7ac5f0uhqlodac010	1.24.8_1544	Classic	Milan 01

Log in to your clusterDeploy your appExpose your appAdd storage to your appConnect integrationsInstall add-onsTroubleshoot

DOCKER CLI INSTA....pdfShow all

Type here to search27°C HazeENG IN11:48 AM11/19/2022