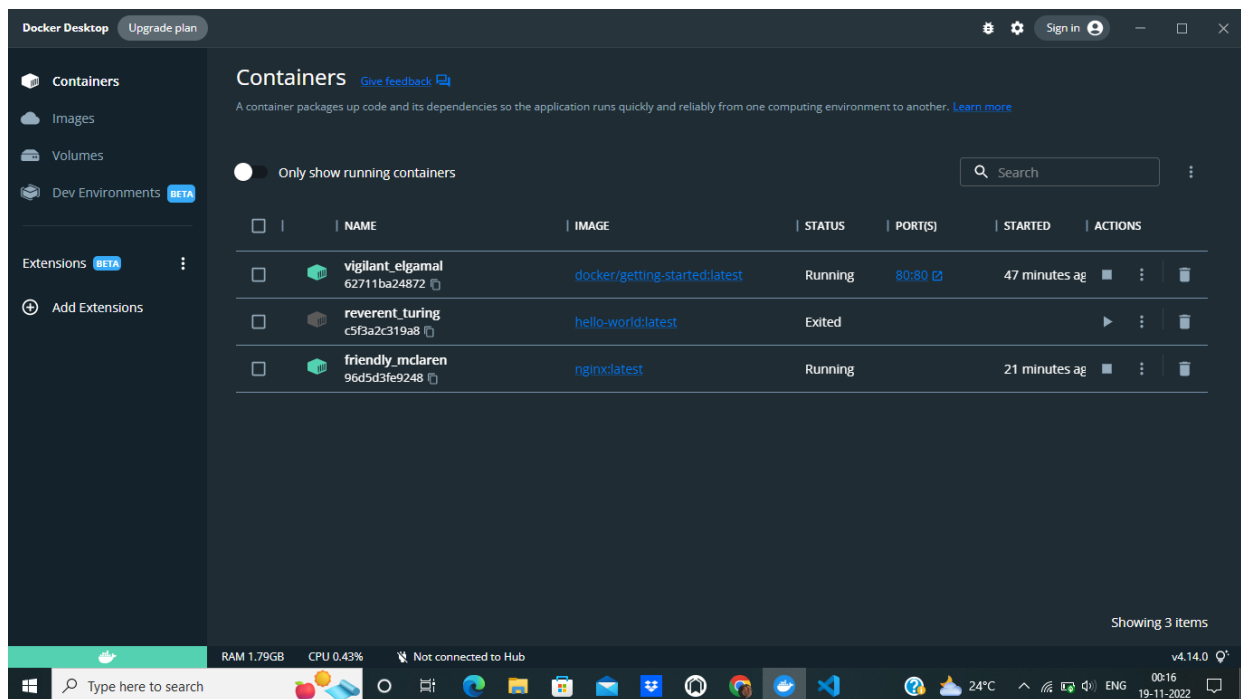


## Assignment -4

TEAM ID	PNT2022TMID48385
PROJECT NAME	NEWS TRACKER
STUDENT NAME	Sivarathinam.C

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 Cloud

Search resources and products...

Catalog

Manage

Mathumitha Muniyasa...

Container Registry

Quick start

Namespaces1

Repositories1

Images1

Trash0

Settings

cloud.ibm.com/registry/repos

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: 251-1 of 1 item

11 of 1 page

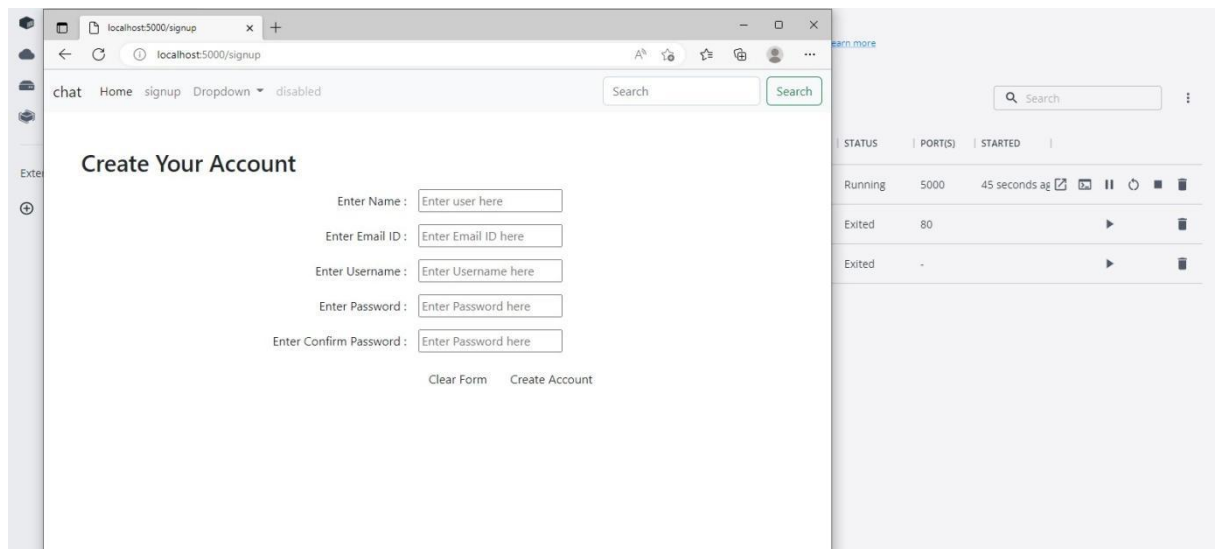
Type here to search

24°C

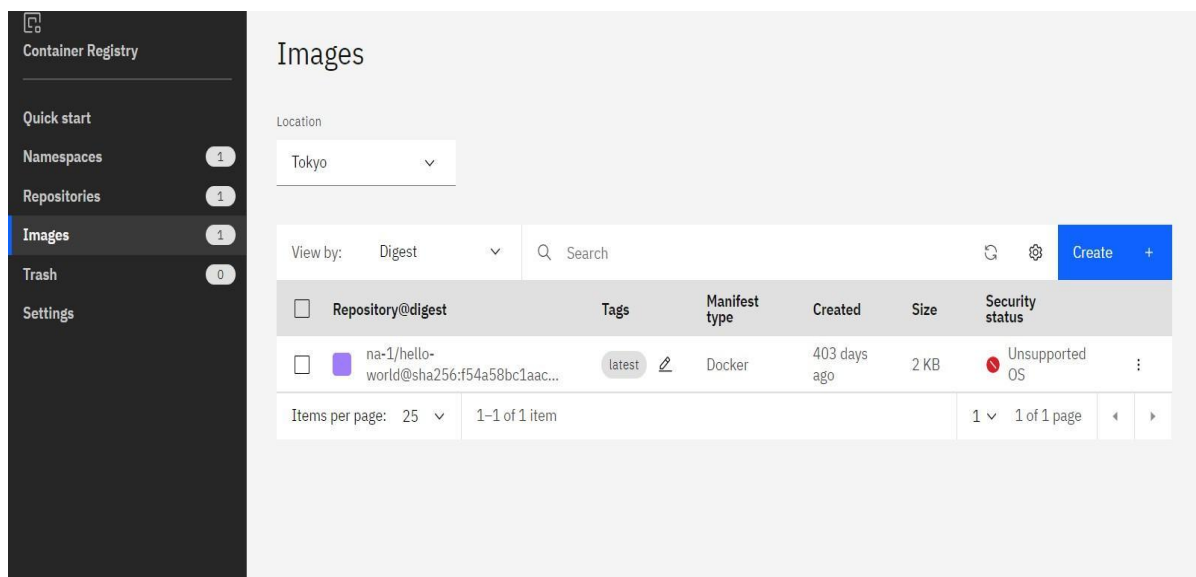
ENG

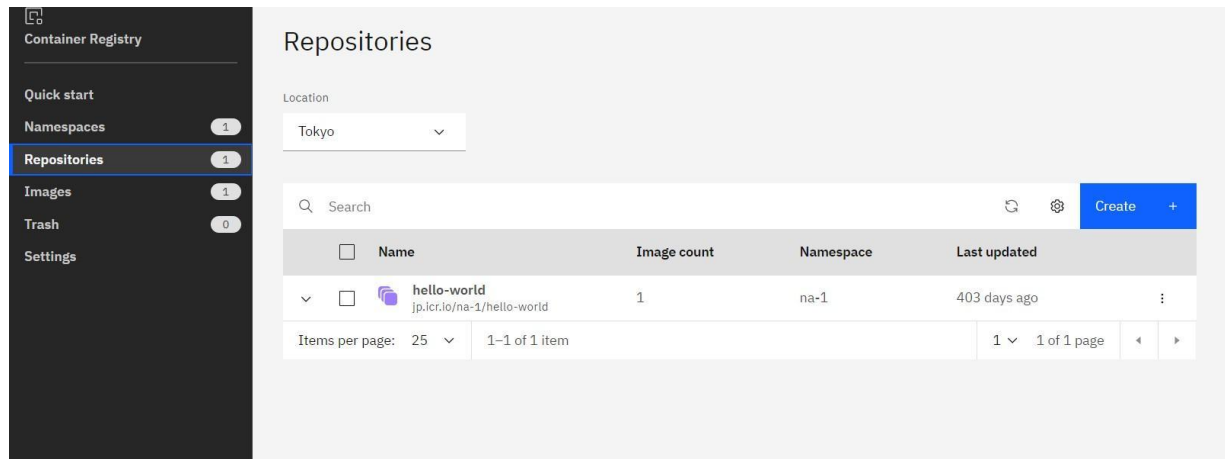
00:57

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: IBM Cloud 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 Show all 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: IBM Cloud 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

1 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 Show all 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

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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

DOCKERS CLI INSTA...pdfShow all

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