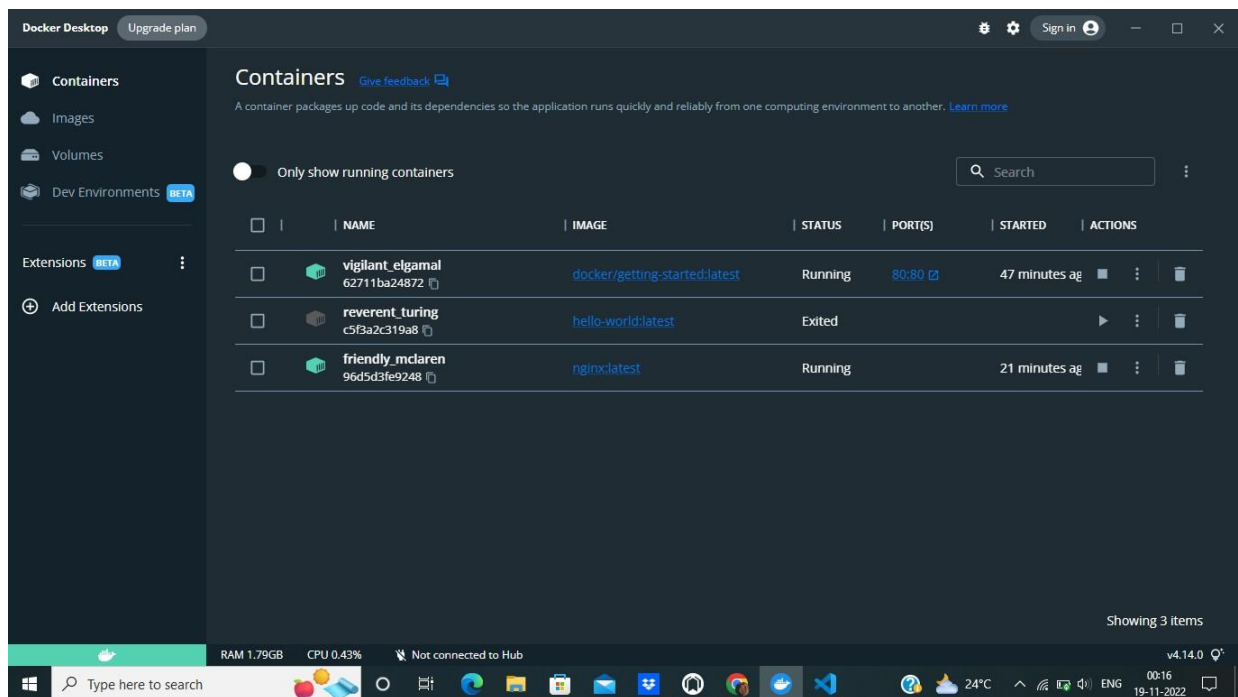


Assignment -4

TEAM ID	PNT2022TMID07083
PROJECT NAME	NEWS TRACKER
STUDENT NAME	NANDHA KUMAR M

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 - m... x IBM x CAD-B1-1M3 x IBM-Project x CAD-B1-1M3 x sendgrid - P... x IBM Cloud C... x cloud.ibm.co... x + -

cloud.ibm.com/registry/repos

cloud.ibm.com

IBM Cloud

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Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings

Repositories

Location

Tokyo

Search

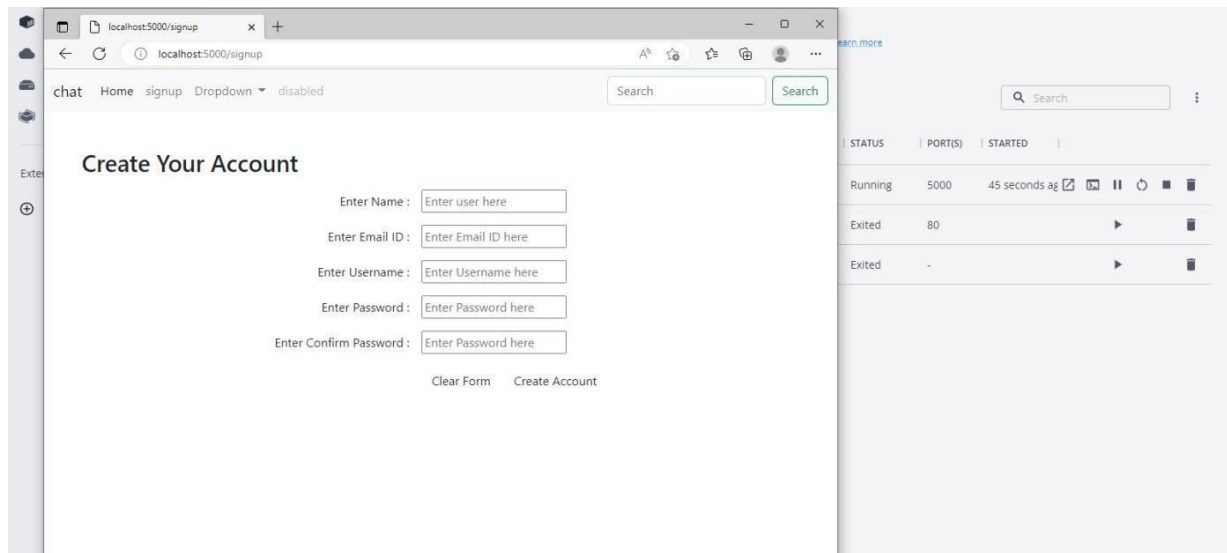
Create +

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

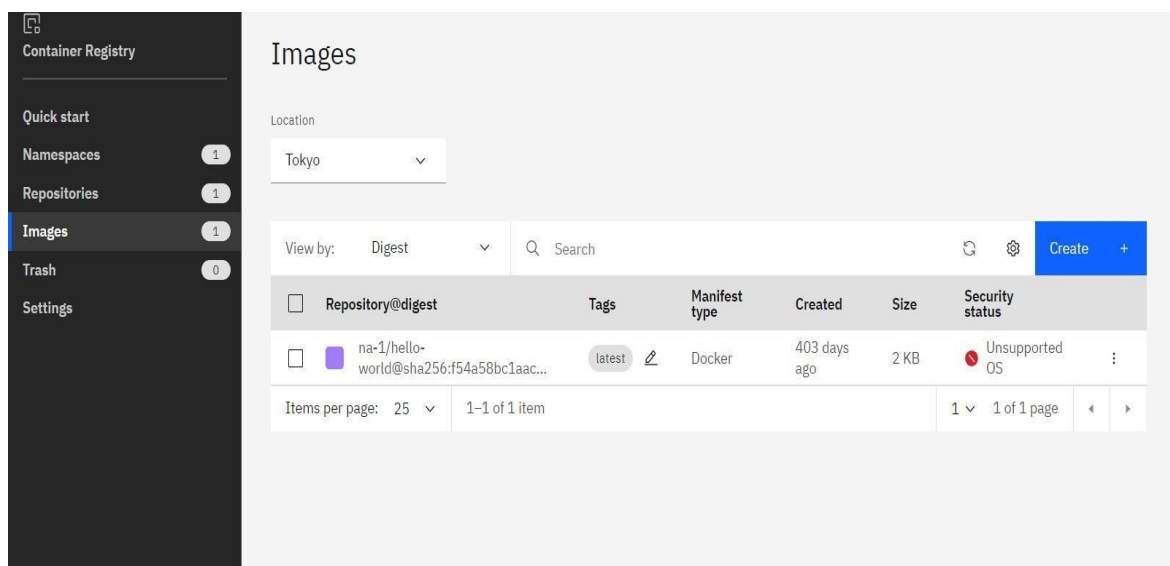
Items per page: 25 1-1 of 1 item 1 1 of 1 page

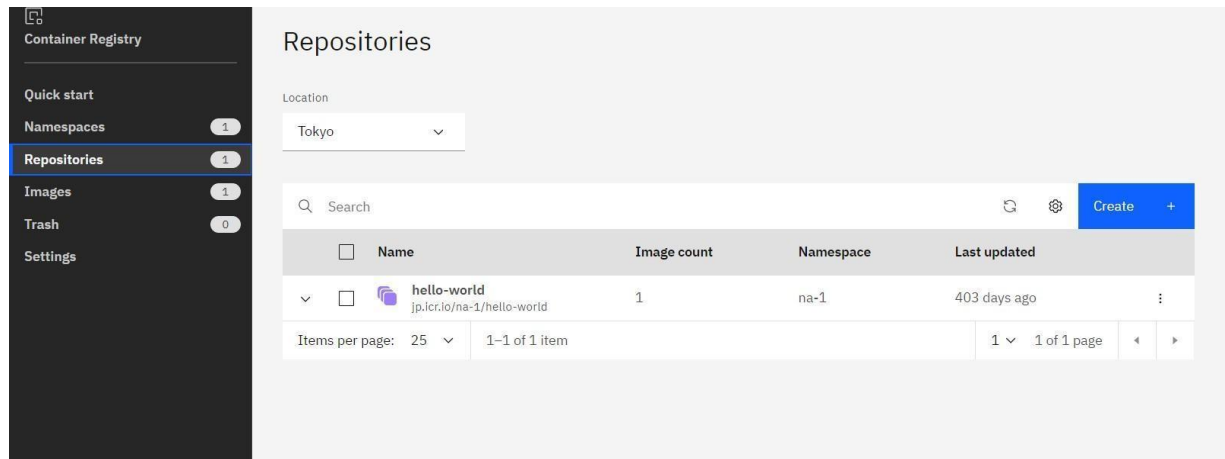
Type here to search

24°C ENG 00:57 19-11-2022



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





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.

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
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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

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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 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	1.24.0-1.54.4	Classic	Milan 01

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

DOCKERShow all

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