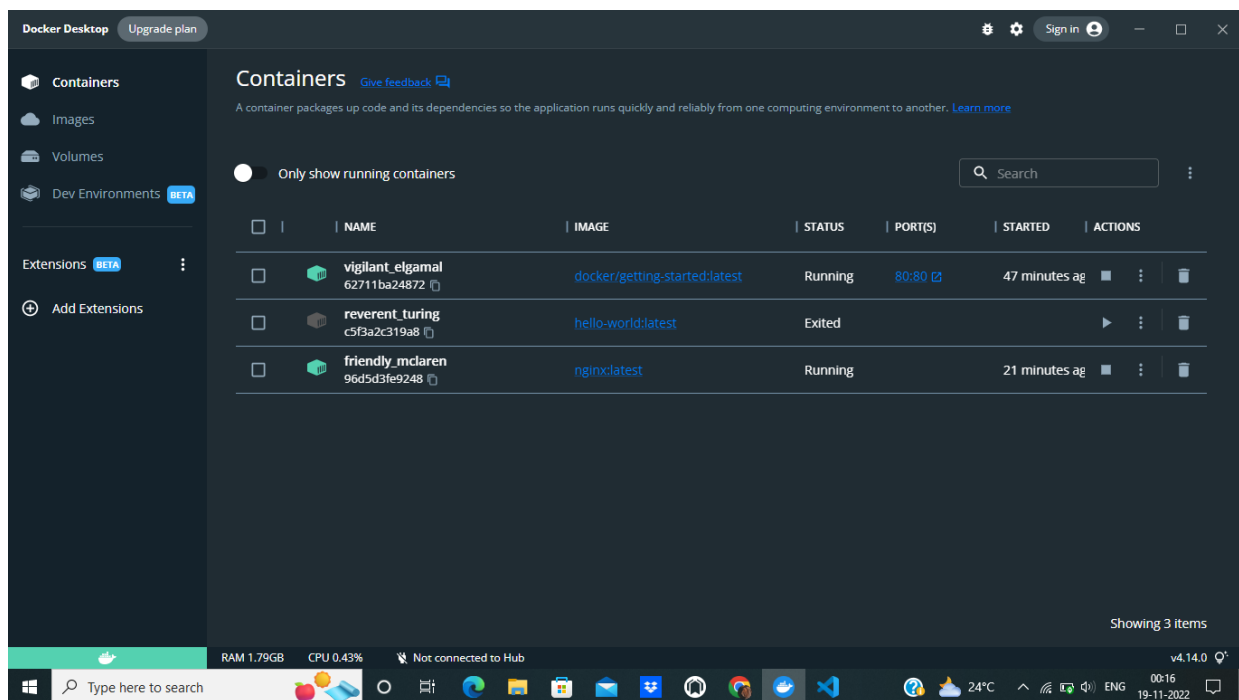


Assignment -4

TEAM ID	PNT2022TMID48406
PROJECT NAME	NUTRITION ASSISTANT APPLICATION
STUDENT NAME	SNEHA.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 - m x IBM x CAD-B1-1M3 x IBM-Project x CAD-B1-1M3 x sendgrid - Py x IBM Cloud Co x cloud.ibm.co x

cloud.ibm.com/registry/repos

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Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0


Settings

Repositories

Location Tokyo

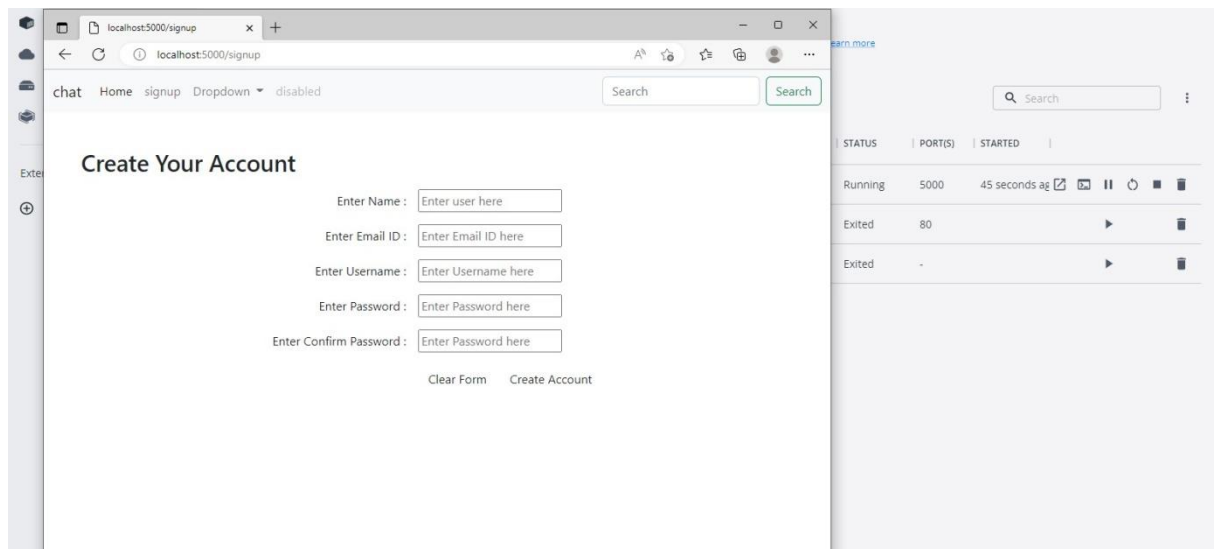
Search

Create

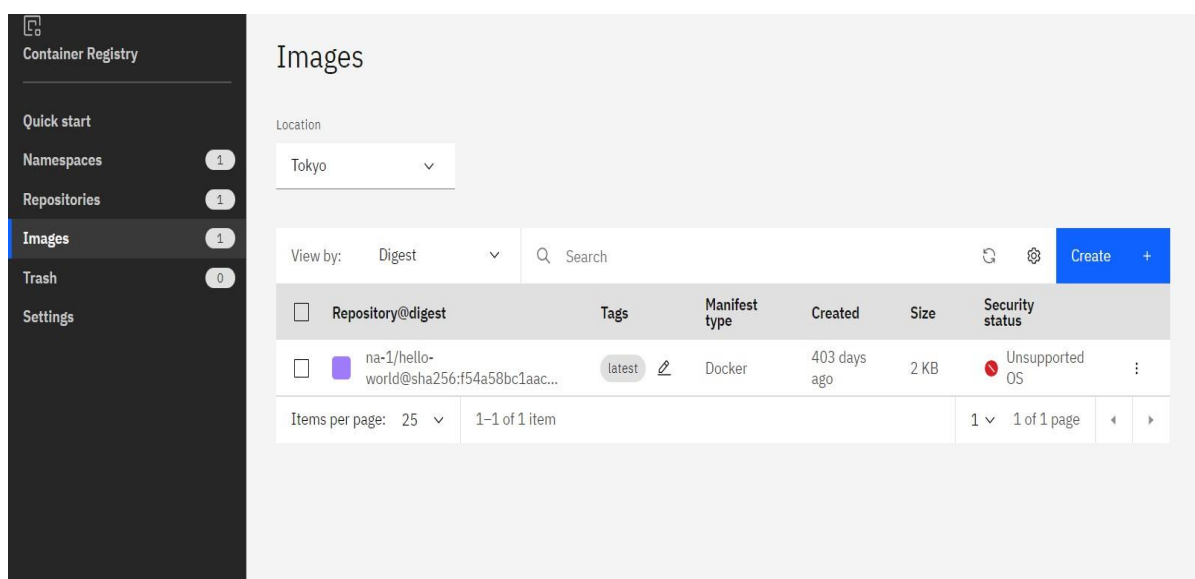
	Name	Image count	Namespace	Last updated	
▼	 nginx jp.icr.io/data/nginx	1	data	3 days ago	⋮

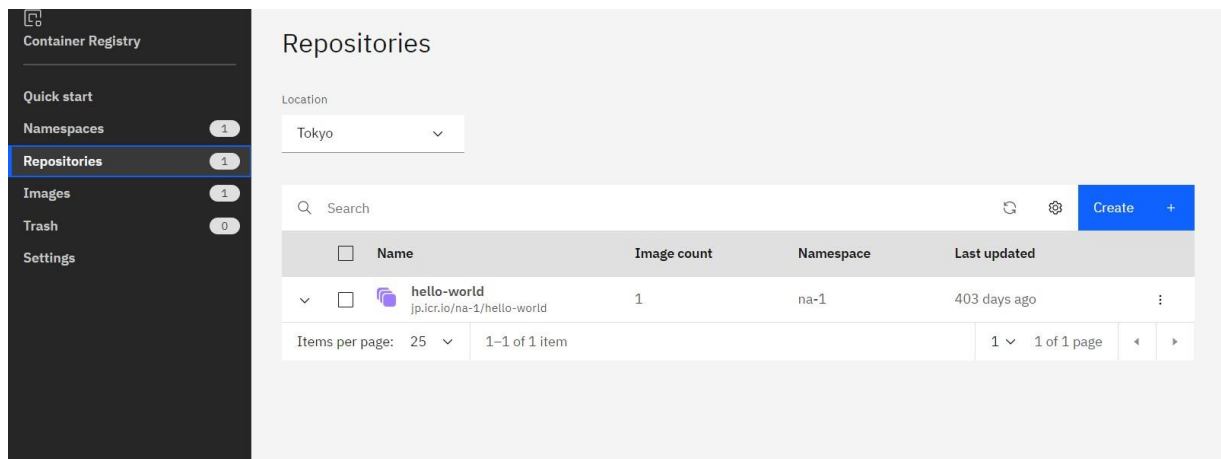
Items per page: 25 1-1 of 1 item 1 1 of 1 page

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3. Create a **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.

cloud.ibm.com/kubernetes/overview

IBM Cloud

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Kubernetes

Clusters

Reservations

Helm catalog

Container Registry

Deploy, scale, and manage your containerized application workloads

Deploy native Kubernetes clusters with the latest upstream versions on hardened master and worker nodes.

Create a cluster

Cluster capabilities

- Clusters**
Automate deployments and manage your containerized apps in a native way.
- Image registry**
Safely store and share your Docker images with users in your IBM Cloud.
- Vulnerability Advisor**
Use status reports to protect your workloads and stop non-secure images.

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cloud.ibm.com/kubernetes/catalog/create

IBM Cloud

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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

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mycluster-free Preparing master, workers... Expires in 30 days [Add tags](#) [Help](#) [Kubernetes dashboard](#) [Actions...](#)

Overview

Worker nodes

Worker pools

DevOps New

Pool: Filter... Search [Add](#)

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	000000b2	Provision pending	default	Milan 01			--> 1.24.7_1543

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mycluster-free Preparing master, workers... Expires in 30 days [Add tags](#) [Help](#) [Kubernetes dashboard](#) [Actions...](#)

Overview

Worker nodes

Worker pools

DevOps 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 status

Error

Unknown

[Details](#)

Add-on status

Error

Unknown

[Details](#)

Master status

Deploying

[Docs](#)

Ingress status

Pending

[Docs](#)

Details

Cluster ID	Version	Infrastructure	Zones
cds6fpaf0kjoai9oqio0	1.24.8_1544	Classic	Milan 01
Created	Resource group	Image security enforcement	

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