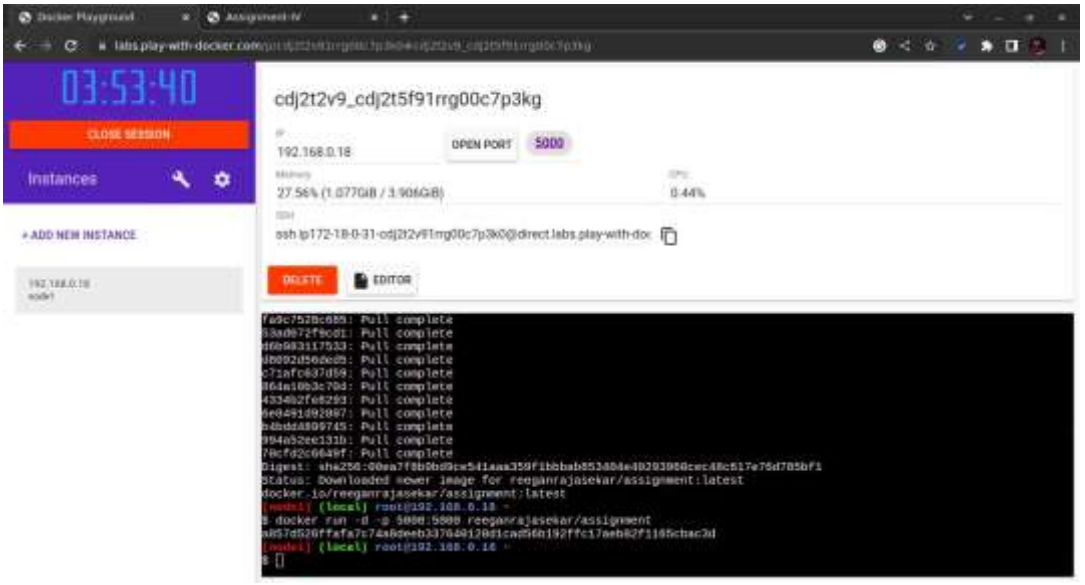
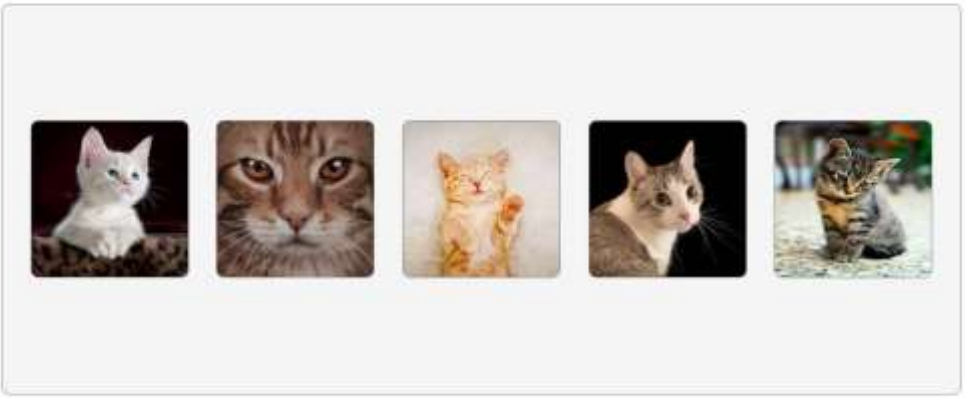
Assignment -4 IBM Cloud -
Docker - Kubernets

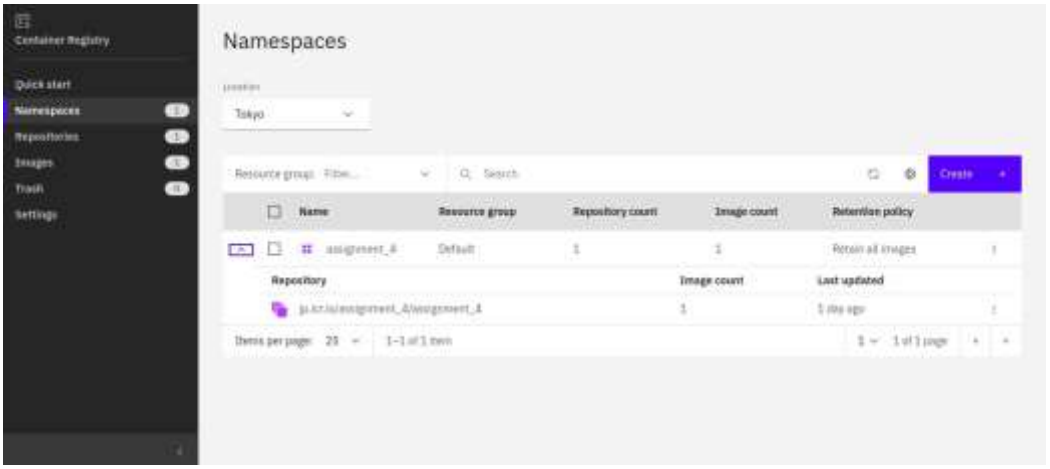
Assignment Date	21 October 2022
Student Name	Mr. A. Angelin Petrishiya
Student Roll Number	821919104003
Maximum Marks	2 Marks

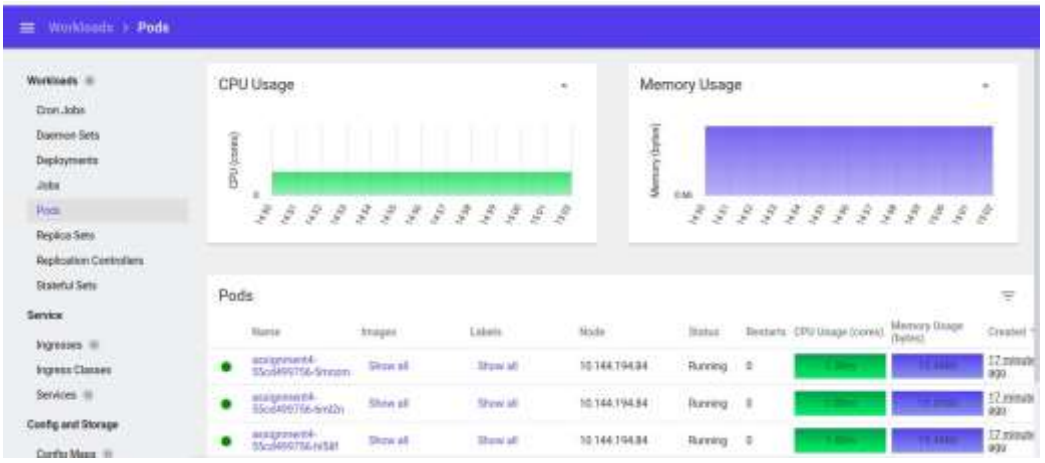
Question:

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.
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.






Container Registry
Quick start
Namespaces
Repositories
Images
Trash
Settings
Namespaces
Tokyo
Resource group
Search
Create
Name
Resource group
Repository count
Image count
Retention policy
assignment_4
Default
1
1
Retain all images
Repository
Image count
Last updated
Items per page: 20
1–1 of 1 item
1 of 1 page


Workloads
Pods
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Config and Storage
Config Maps
CPU Usage
Memory Usage
Pods
Name
Images
Labels
Node
Status
Restarts
CPU Usage (cores)
Memory Usage (bytes)
Created
Running
Show all


Workloads
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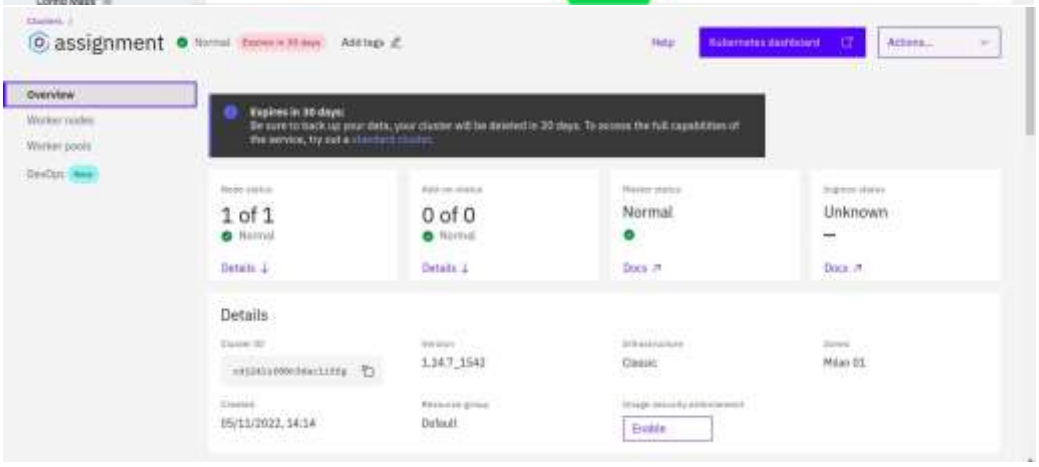
Pods


assignment
Normal
Add tags
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
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.
1 of 1
Normal
Details
0 of 0
Normal
Details
Normal
Docs
Unknown
Docs
Details
1.14.7_1543
Classic
Milan 01
05/11/2022, 14:14
Default
Enable