

# Deployment Of App In IBM Cloud

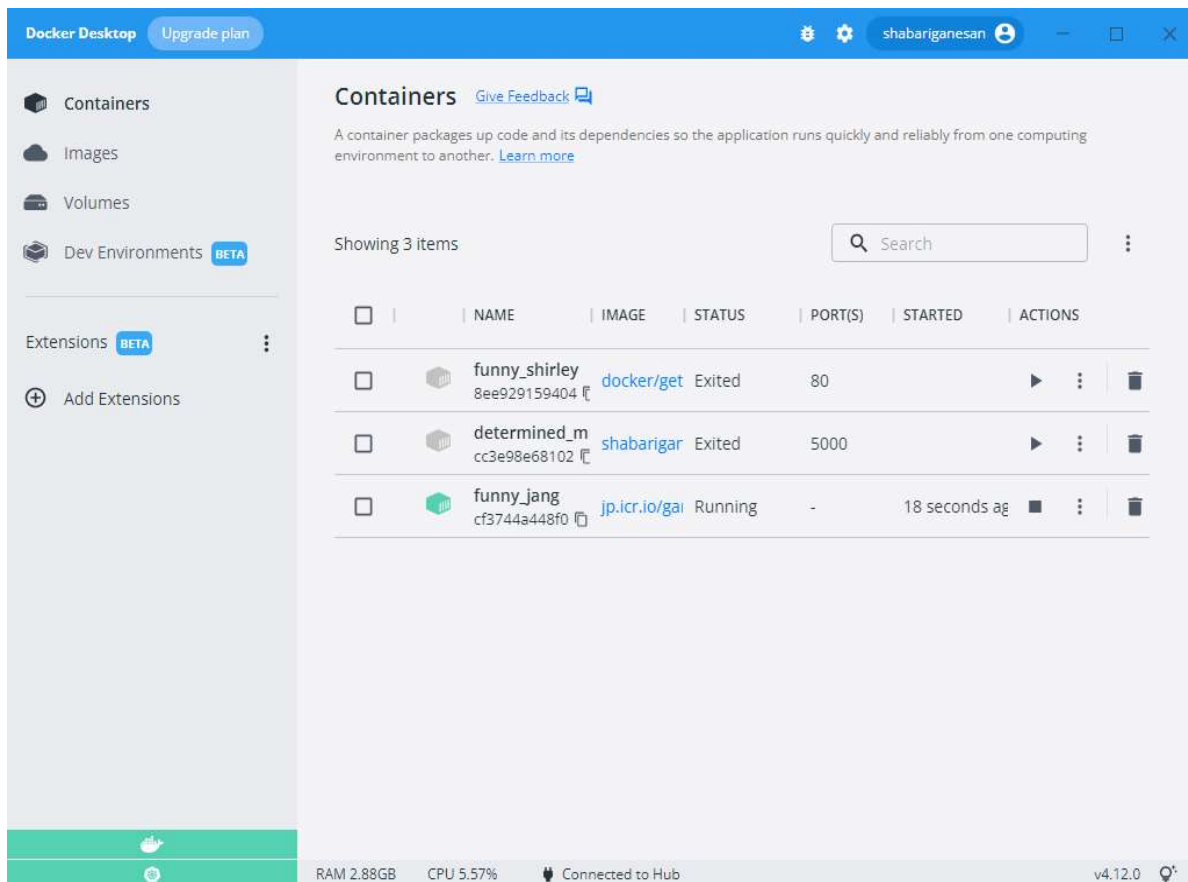
Date	963319104001
Team ID	PNT2022TMID41025
Project Name	Inventory Management System for Retailers

## TASK

- Containerize the App
- Upload image to IBM Container Registry
- Deploy in Kubernetes Cluster

## Containerize the App

- ☐ Docker image creation



## Upload image to IBM Container Registry

```
CA: Command Prompt
6e0cea8226df: Preparing
9fda40ddc568: Preparing
428e1f341db7: Waiting
9ea8d200cd5d: Waiting
13b045a1dfd2: Waiting
2fbabeba902e: Waiting
ee509ed6e976: Waiting
9177197c67d0: Waiting
7dbadf2b9bd8: Waiting
e7597c345c2e: Waiting
unauthorized: The login credentials are not valid, or your IBM Cloud account is not active.

C:\Users\ADMIN>docker tag ibmpro jp.icr.io/ibmtrainingg/ibmpro:latest

C:\Users\ADMIN>docker push jp.icr.io/ibmtrainingg/ibmpro
Using default tag: latest
The push refers to repository [jp.icr.io/ibmtrainingg/ibmpro]
30f751f46e5f: Preparing
b2e53ffa0841: Preparing
30a2ba701b1b: Preparing
6e0cea8226df: Preparing
9fda40ddc568: Waiting
428e1f341db7: Waiting
9ea8d200cd5d: Waiting
13b045a1dfd2: Waiting
2fbabeba902e: Waiting
ee509ed6e976: Waiting
9177197c67d0: Waiting
7dbadf2b9bd8: Waiting
e7597c345c2e: Waiting
```

The screenshot shows the IBM Cloud Container Registry console. The left sidebar contains navigation links: Container Registry, Quick start, Namespaces (8), Repositories (8), Images (3), Trash (0), and Settings. The main content area is titled 'Namespaces' and shows a location filter set to 'Tokyo'. A message states: 'Viewing filtered namespaces. A filter is applied so that only the namespace ganeshapp is included in the table.' Below this is a table with columns: Name, Resource group, Repository count, Image count, and Retention policy. The table contains one entry: 'ganeshapp' under the 'Default' resource group, with 0 repositories and 0 images. The retention policy is 'Retain all images'. At the bottom, it shows 'Items per page: 25' and '1-1 of 1 item'.

Name	Resource group	Repository count	Image count	Retention policy
ganeshapp	Default	0	0	Retain all images

# Deploy in Kubernetes Cluster

## Deploy on kubernets

The screenshot displays the Kubernetes dashboard interface. The top navigation bar includes the 'kubernetes' logo, a dropdown menu set to 'default', and a search bar. The left sidebar contains a menu with categories: Workloads, Service, Config and Storage, and Cluster. The main content area is divided into three sections: Deployments, Pods, and Replica Sets.

**Deployments**

Name	Images	Labels	Pods	Created ↑
jobportal	Show all	-	0 / 1	25 days ago
flask-app	Show all	-	3 / 3	25 days ago

**Pods**

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
jobportal-769df9bc47-pzx	Show all	Show all	10.144.214.76	ImagePullBackOff	0	-	-	25 days ago
flask-app-79447b5c8c-4d8ww	Show all	Show all	10.144.214.76	Running	0	2.00m	38.77Mi	25 days ago
flask-app-79447b5c8c-dpmn3	Show all	Show all	10.144.214.76	Running	0	2.05m	38.71Mi	25 days ago
flask-app-79447b5c8c-vzyjx	Show all	Show all	10.144.214.76	Running	0	2.00m	38.73Mi	25 days ago

**Replica Sets**

Name	Images	Labels	Pods	Created ↑
jobportal-769df9bc47	Show all	Show all	0 / 1	25 days ago
flask-app-79447b5c8c	Show all	Show all	3 / 3	25 days ago