

Deployment Of App in IBM Cloud

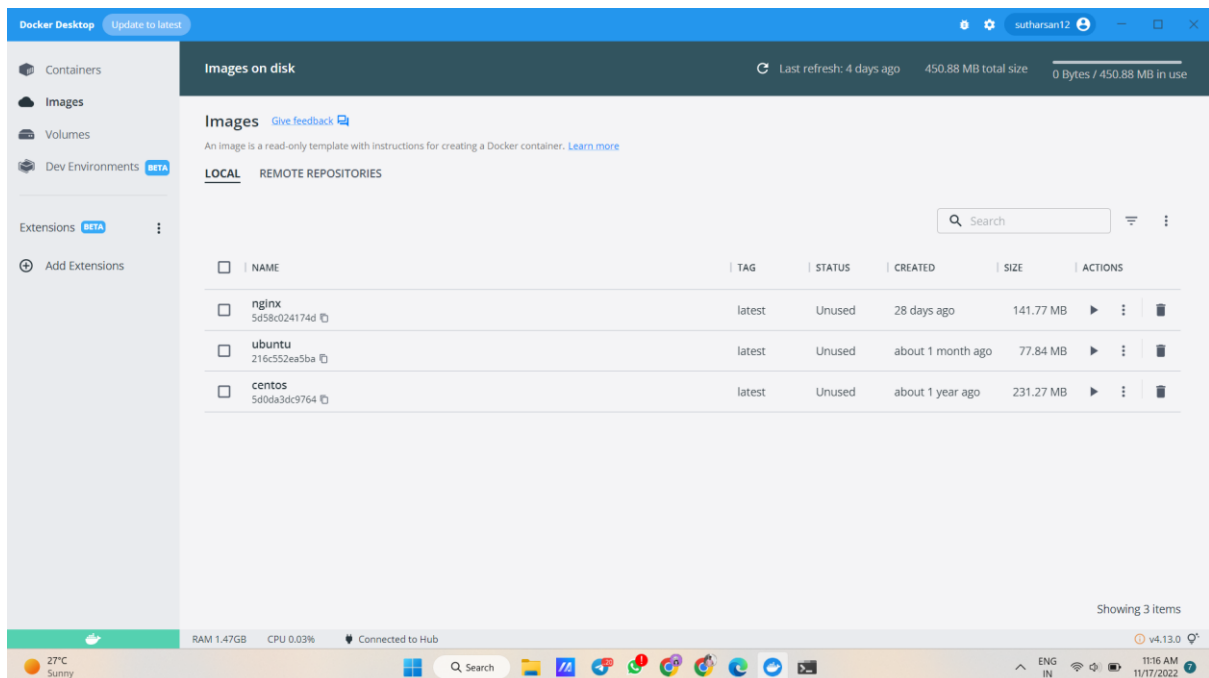
Team ID	PNT2022TMID14132
Project Name	Inventory Management System for Retailers

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

```
PS C:\Users\HP> docker tag hello-world icr.io/0034ns/helloworld
PS C:\Users\HP> docker push icr.io/0034ns/helloworld
Using default tag: latest
The push refers to repository [icr.io/0034ns/helloworld]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
```

Deploy in Kubernetes Cluster

Deploy on kubernets

The screenshot shows the IBM Cloud Kubernetes Dashboard for a cluster named 'mycluster-free'. The cluster is in a 'Preparing master, workers...' state and expires in 30 days. The 'Worker nodes' tab is selected, showing a single worker node with the ID '000000c9', status 'Deployed', and version '1.24.7_1543'. The node is part of the 'default' worker pool in the 'Milan 01' zone. The dashboard also includes a sidebar with 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps' (marked as 'New').

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000c9	Deployed	default	Milan 01	10.144.213.108	169.51.206.6	1.24.7_1543