

Deployment Of App In IBM Cloud

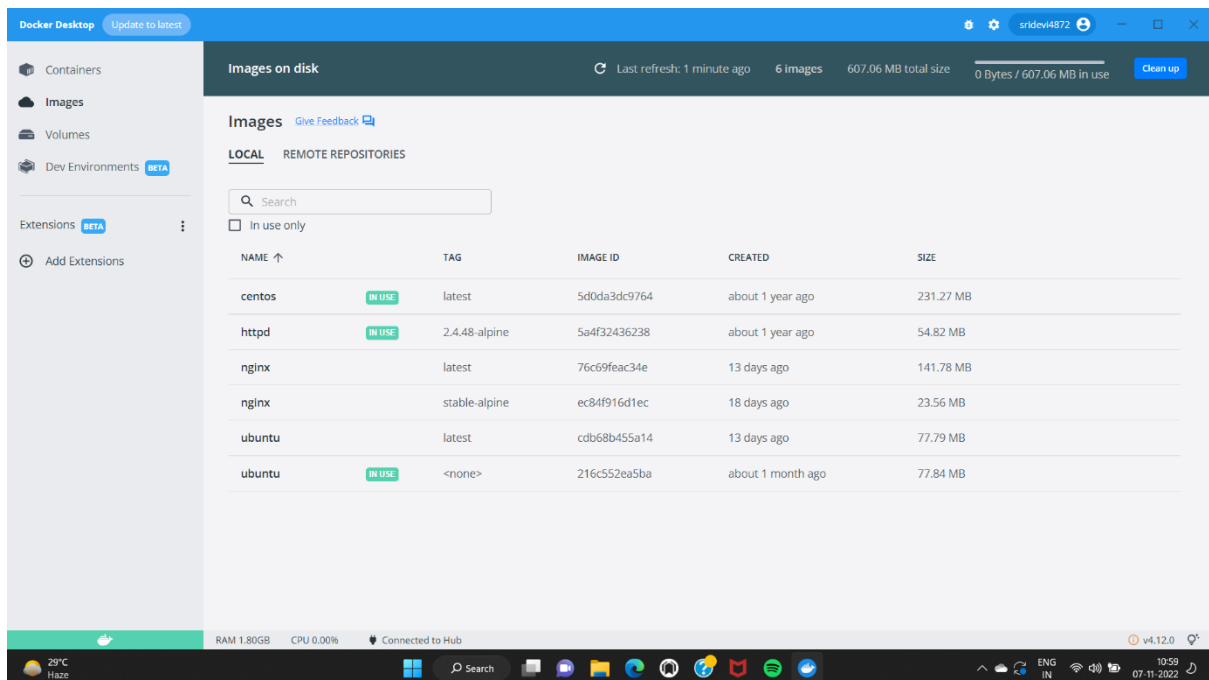
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Team ID	PNT2022TMID43190
Project Name	Inventory Management System for Retailers

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 displays the 'mycluster-free' Kubernetes dashboard. The top navigation bar includes a 'Kubernetes dashboard' link and an 'Actions...' dropdown. The left sidebar shows navigation options: Overview, Worker nodes (selected), Worker pools, and DevOps (marked as 'New'). The main content area shows a table of worker nodes. A single node is listed with the ID '000000c9', status 'Deployed', and version '1.24.7_1543'. The node is located in the 'Milan 01' zone with a private IP of '10.144.213.108' and a public IP of '169.51.206.6'. The dashboard also shows a progress indicator at the top: 'Preparing master, workers...' with a green bar and a red 'Expires in 30 days' warning. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 10:20 AM on 11-11-2022.

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