

## Deployment Of App In IBM Cloud

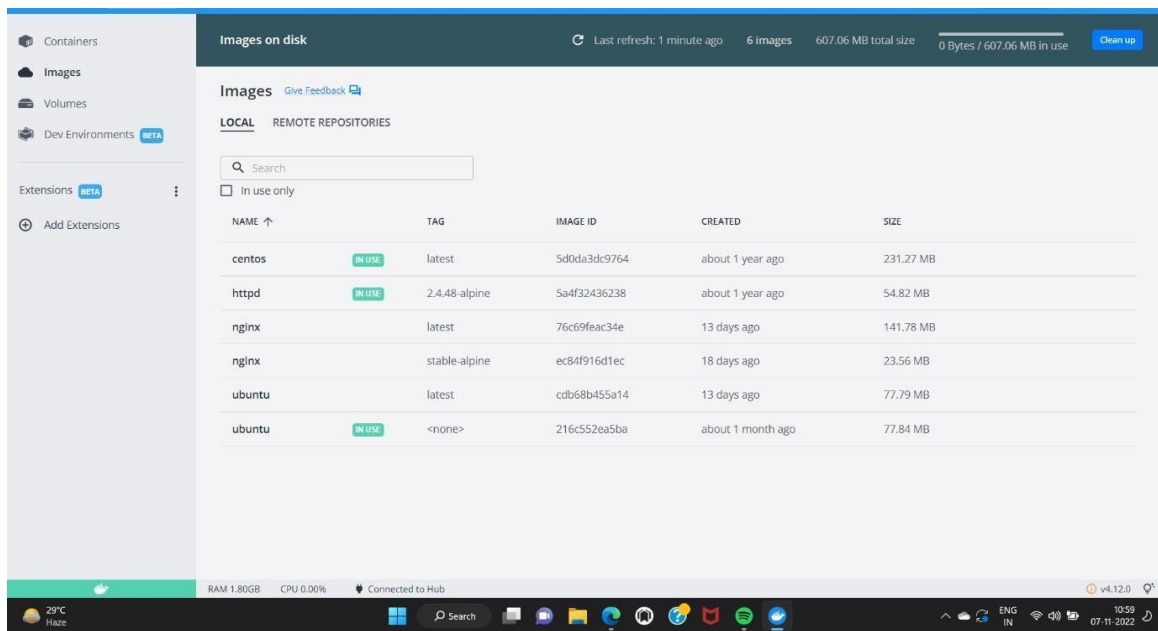
Team ID	PNT2022TMID36906
Project Name	Inventory Management System for Retailers

### 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. At the top, a cluster named 'mycluster-free' is shown with a status of 'Preparing master, workers...' and a red banner indicating it 'Expires in 30 days'. Below this, a table lists the worker nodes. There is one node with ID '000000c9', status 'Deployed', in the 'default' worker pool, located in the 'Milan 01' zone. The node has a private IP of '10.144.213.108' and a public IP of '169.51.206.6', running Kubernetes version '1.24.7\_1543'. The dashboard includes a sidebar with navigation options like 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps'. At the bottom, a Windows taskbar is visible with the time '10:20 AM' and date '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