

Deployment Of App In IBM Cloud

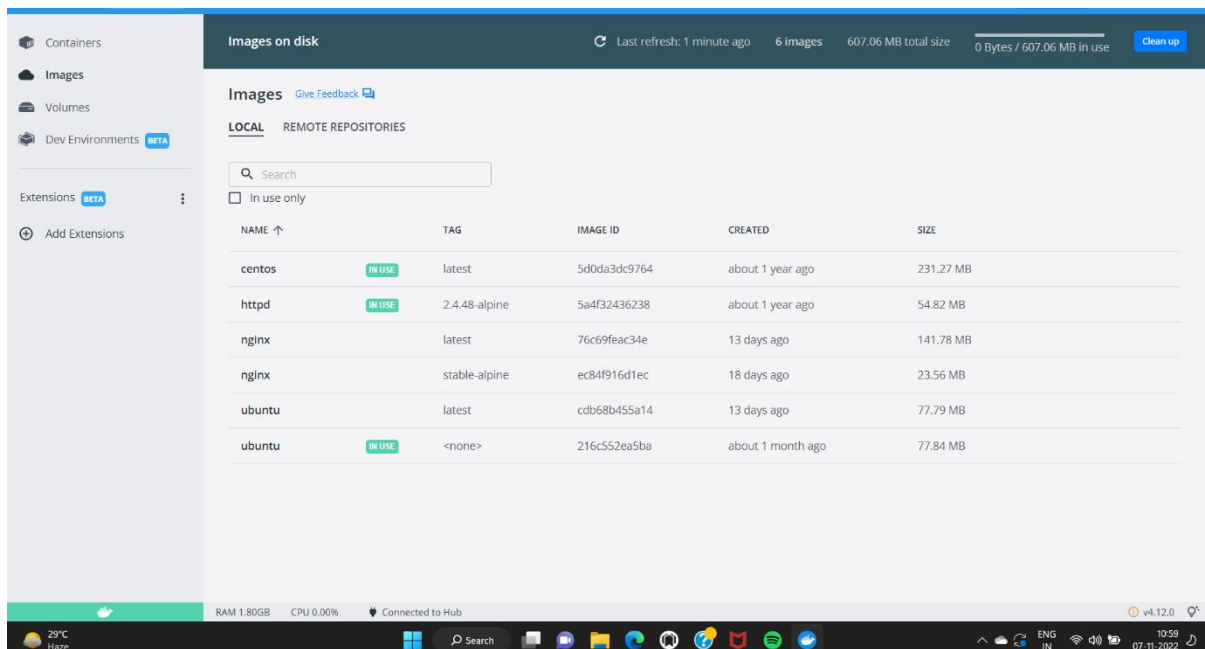
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| Team ID | PNT2022TMID43190 |
| Project Name | Inventory Management System for Retailers |

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' dashboard. The left sidebar contains navigation links: Overview, Worker nodes (selected), Worker pools, and DevOps (marked as 'New'). The main content area shows a table of worker nodes. The table has columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. A single node is listed with ID 000000c9, status 'Deployed', and version 1.24.7_1543. The top of the dashboard indicates the cluster is 'Preparing master, workers...' and 'Expires in 30 days'. A 'Kubernetes dashboard' link is visible in the top right.

| 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 |