

Deployment Of App In IBM Cloud

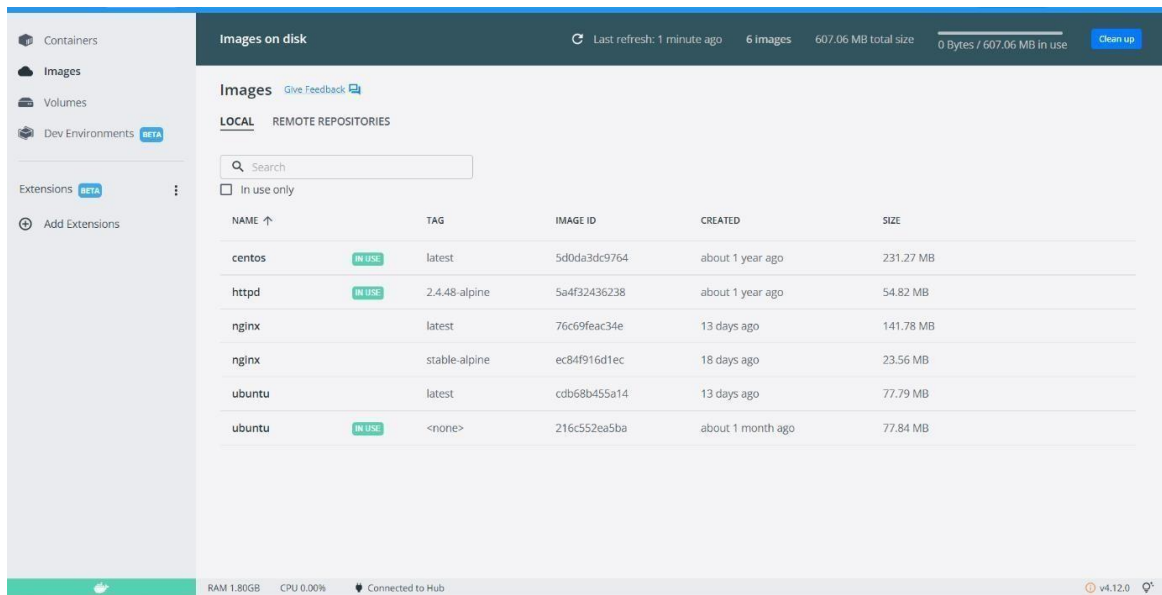
Team ID	PNT2022TMID11899
Project Name	Inventory Management System for Retailers

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 sidebar on the left contains navigation links: 'Overview', 'Worker nodes' (selected), 'Worker pools', and 'DevOps' with a 'New' button. The main content area displays a table of worker nodes. The table has columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. One node is listed with ID '000000c9', status 'Deployed', and version '1.24.7_1543'. At the bottom of the table, there are controls for 'Items per page' (set to 25) and pagination (showing '1 of 1 item').

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input checked="" type="checkbox"/>	000000c9	Deployed	default	Milan 01	10.144.213.108	169.51.206.6	1.24.7_1543