

Deployment Of App In IBM Cloud

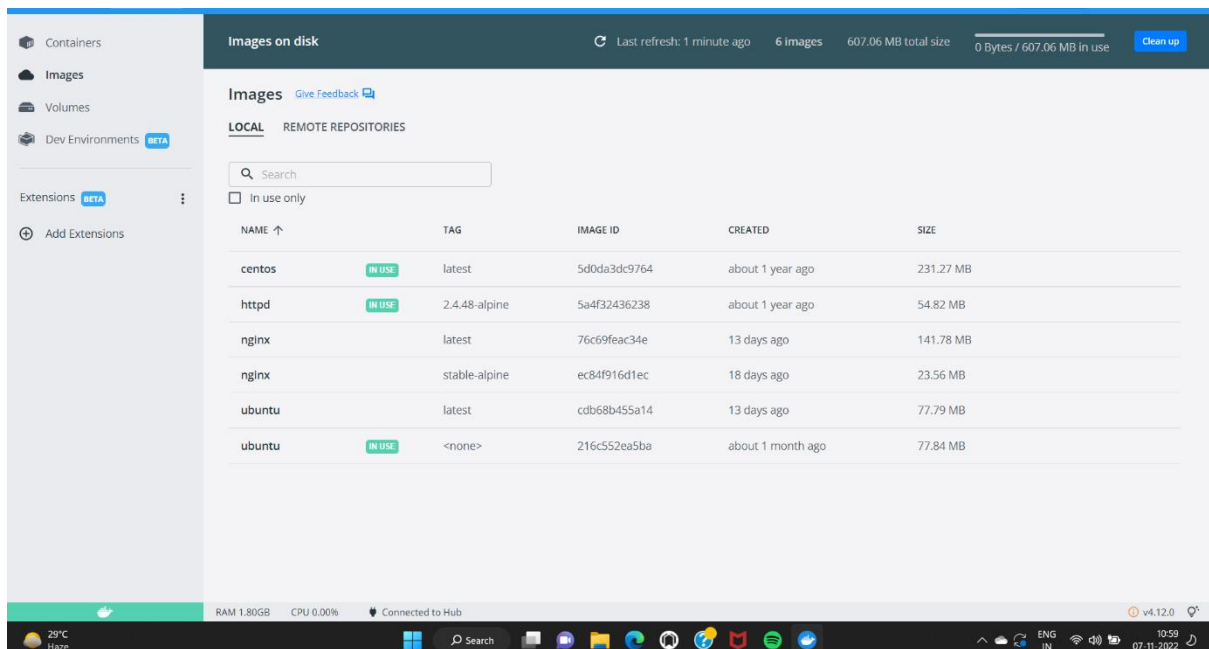
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Team ID	PNT2022TMID53537
Project Name	Inventory Management System for Retailers

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 interface. The top navigation bar includes a 'Clusters /' breadcrumb, the 'mycluster-free' logo, a status indicator 'Preparing master, workers...' with a green progress bar, an 'Expires in 30 days' warning, and an 'Add tags' link. A 'Help' button and a 'Kubernetes dashboard' link are also present. On the left sidebar, the 'Worker nodes' section is selected, showing a 'New' button. The main content area features 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 table includes a search bar, a filter dropdown, and pagination controls at the bottom.

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