

DEPLOYMENT OF APP IN IBM CLOUD

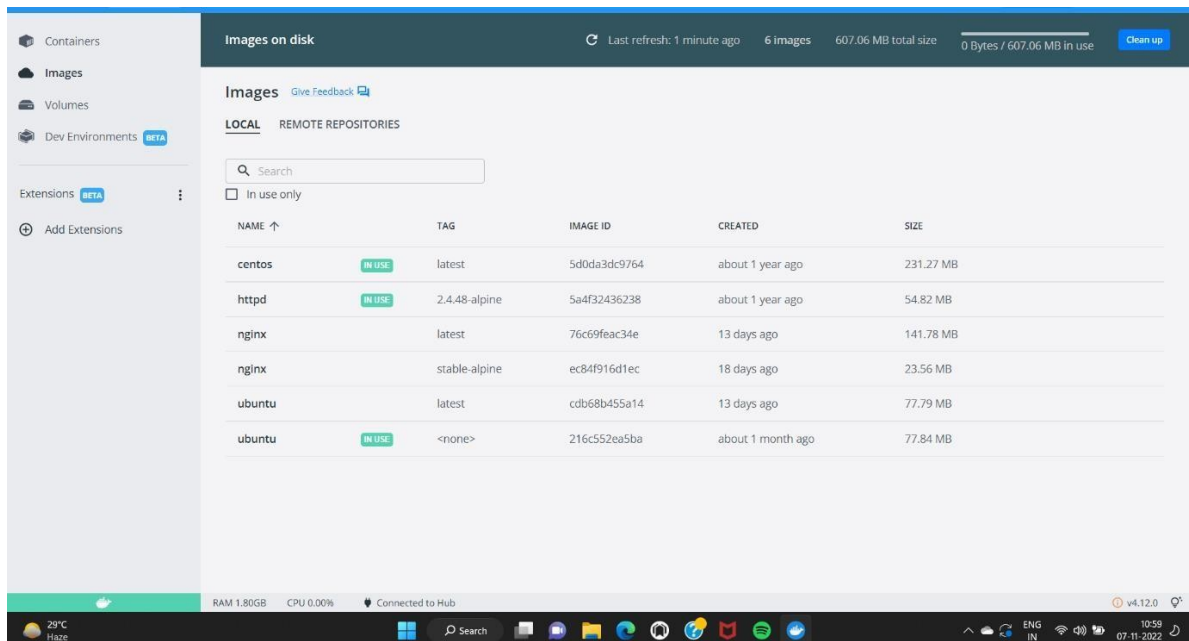
Date	11 NOVEMBER 2022
Name	DEEPAK R
Team ID	PTN2022TMID14771
Project Name	Inventory Management System for Retailers

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 left sidebar contains navigation links for 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps' (with a 'New' button). 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', worker pool 'default', zone 'Milan 01', private IP '10.144.213.108', public IP '169.51.206.6', and version '1.24.7_1543'. The dashboard also includes a top bar with 'Clusters / mycluster-free', a progress indicator 'Preparing master, workers...', an expiration notice 'Expires in 30 days', and buttons for 'Add tags', 'Help', 'Kubernetes dashboard', and 'Actions...'. The bottom of the image 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