

Deployment Of App In IBM Cloud

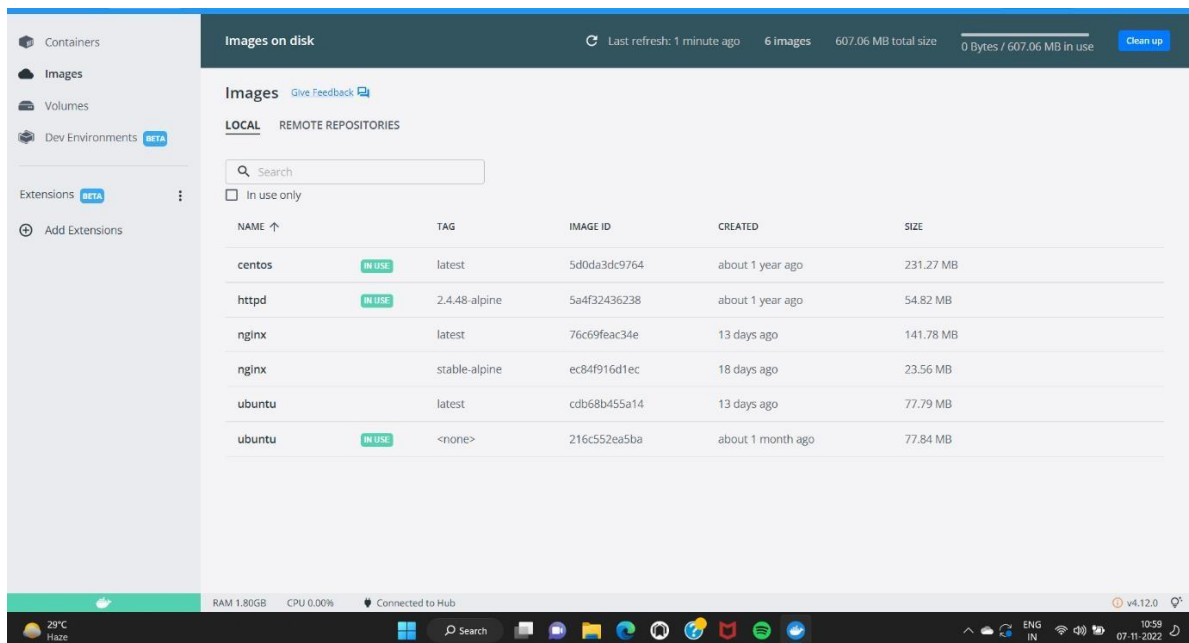
Name	Dwaraka kavyasudha
Roll no	111419104028
Team ID	PNT2022TMID24071
Project Name	Inventory Management System for Retailers

TASK

- Containerize the App
- Upload image to IBM Container Registry
- Deploy in Kubernetes Cluster

Containerize the App

❖ Docker image creation

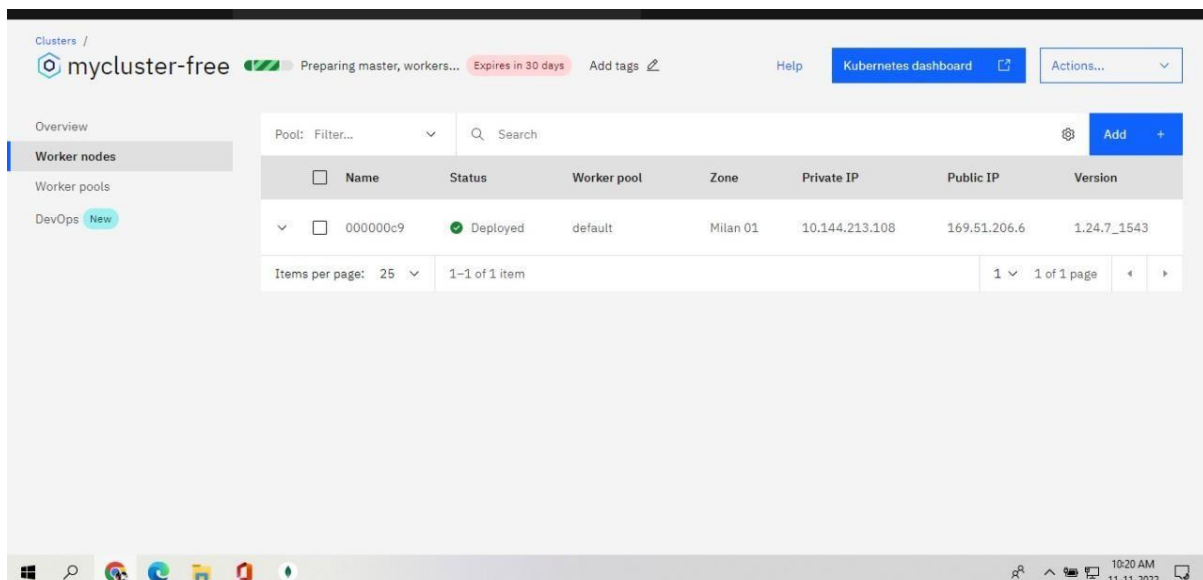


Upload image to IBM Container Registry

```
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 Service console. The top navigation bar includes '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 left sidebar contains navigation links for 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps' (marked as 'New'). 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'. A single node is listed with ID '000000c9', status 'Deployed', pool 'default', zone 'Milan 01', private IP '10.144.213.108', public IP '169.51.206.6', and version '1.24.7_1543'. Below the table, there are controls for 'Items per page' (set to 25) and pagination (showing '1 of 1 item').

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