

## Deployment Of App In IBM Cloud

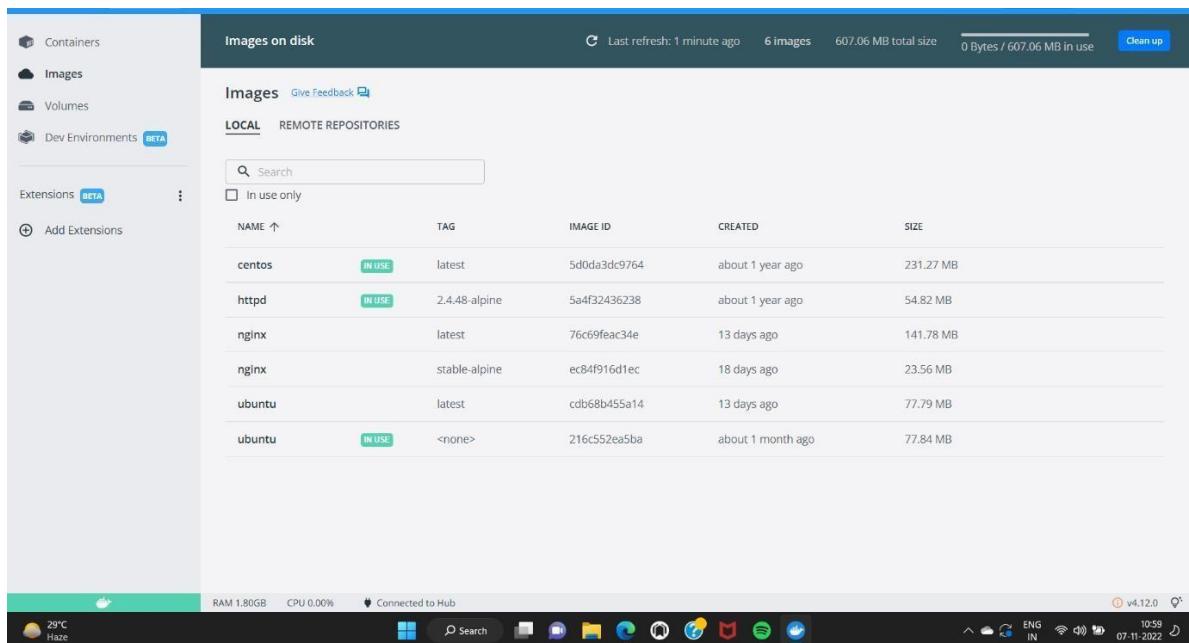
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Team ID	PNT2022TMID23162
Project Name	Inventory Management System for Retailers

### TASK

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

### Containerize the App

✚ Docker image creation

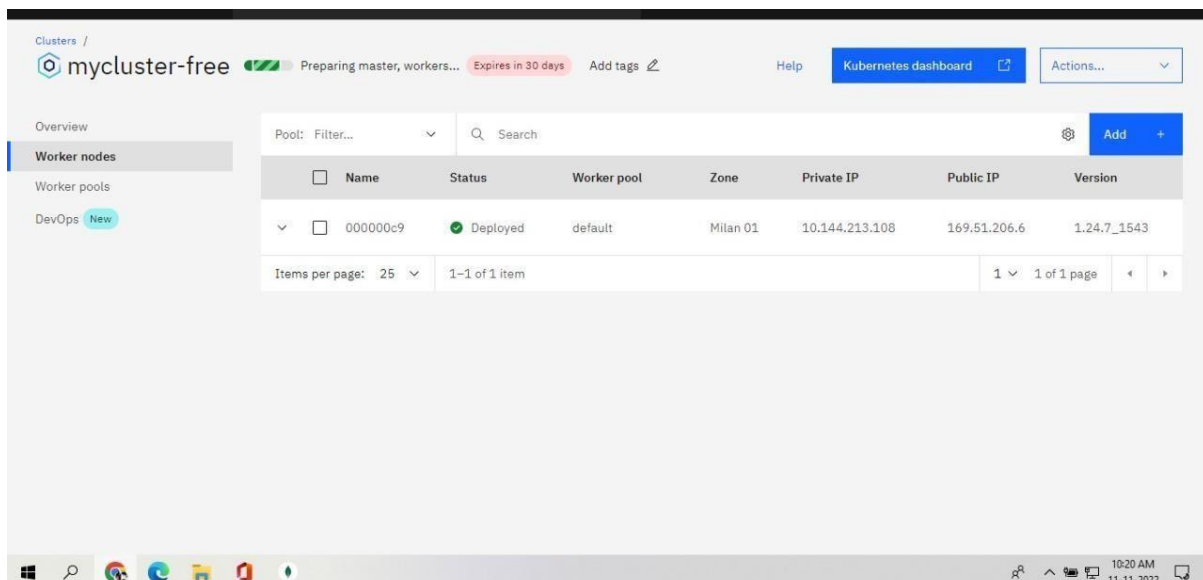


## Upload image to IBM Container Registry

```
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 has a menu with 'Overview', 'Worker nodes' (selected), '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'. One 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'. Below the table, there are controls for 'Items per page' (set to 25) and '1-1 of 1 item'. 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