

## Deployment Of App In IBM Cloud

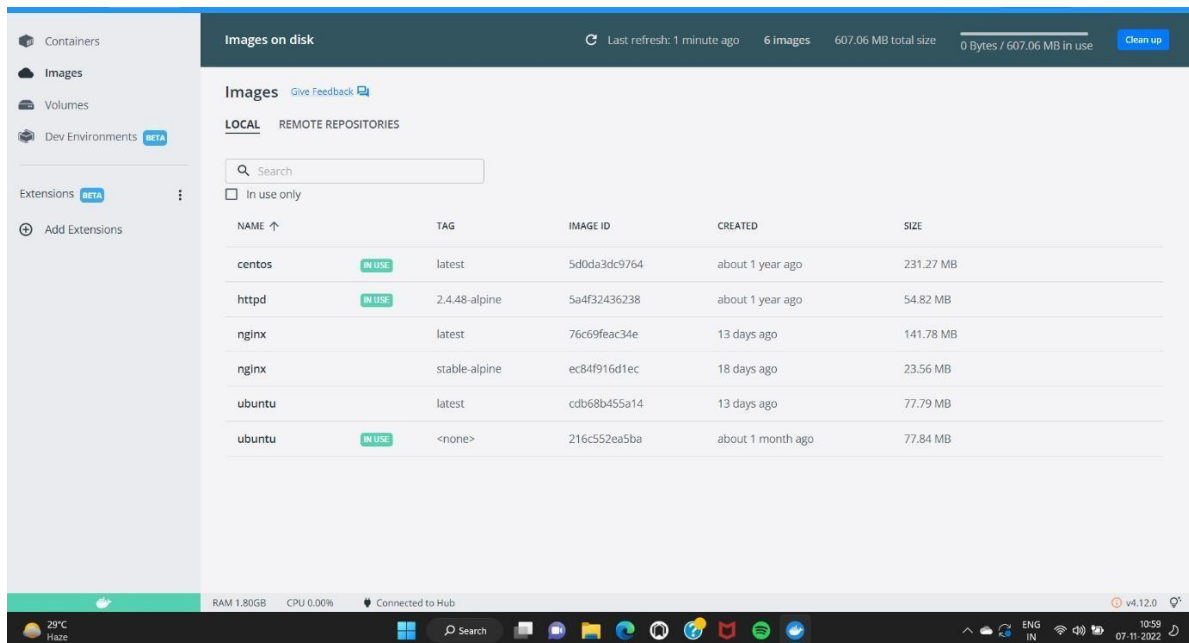
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Project Name	Inventory Management System for Retailers

### TASK

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

### Containerize the App

✚ Docker image creation

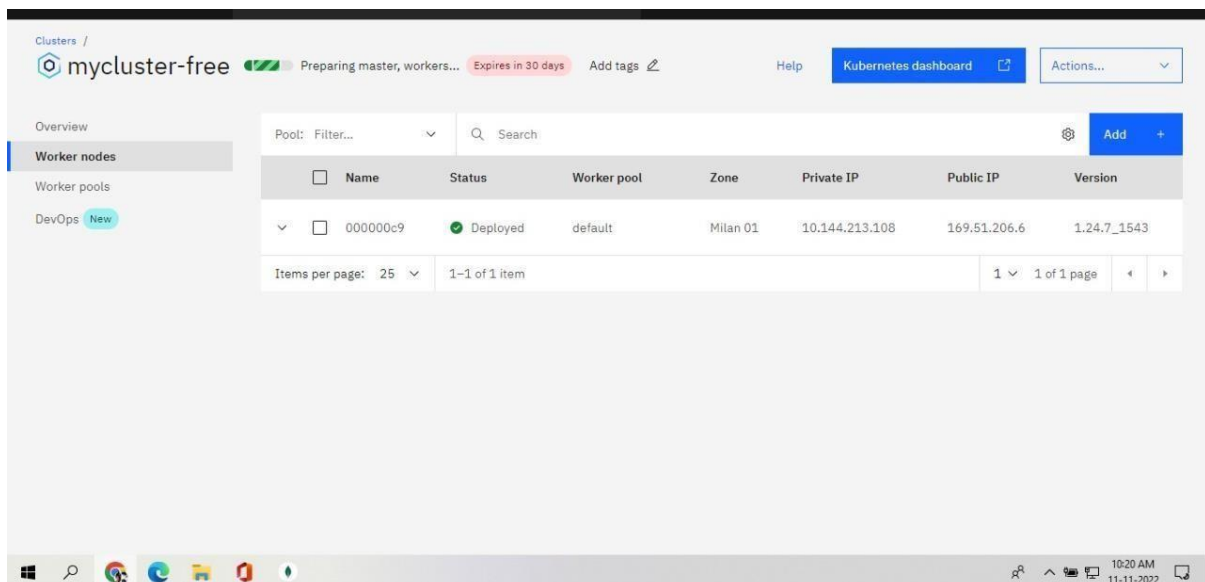


## Upload image to IBM Container Registry

```
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 IBM Cloud Kubernetes Dashboard for a cluster named 'mycluster-free'. The cluster is in a 'Preparing master, workers...' state and will expire in 30 days. The 'Worker nodes' tab is selected, showing a single worker node with the ID '000000c9'. This node is in a 'Deployed' state, part of the 'default' worker pool, located in the 'Milan 01' zone. Its private IP is 10.144.213.108 and its public IP is 169.51.206.6. The node is running Kubernetes version 1.24.7\_1543. The dashboard includes a search bar, a filter dropdown, and an 'Add' button. The bottom of the screen 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