

Deployment Of App In IBM Cloud

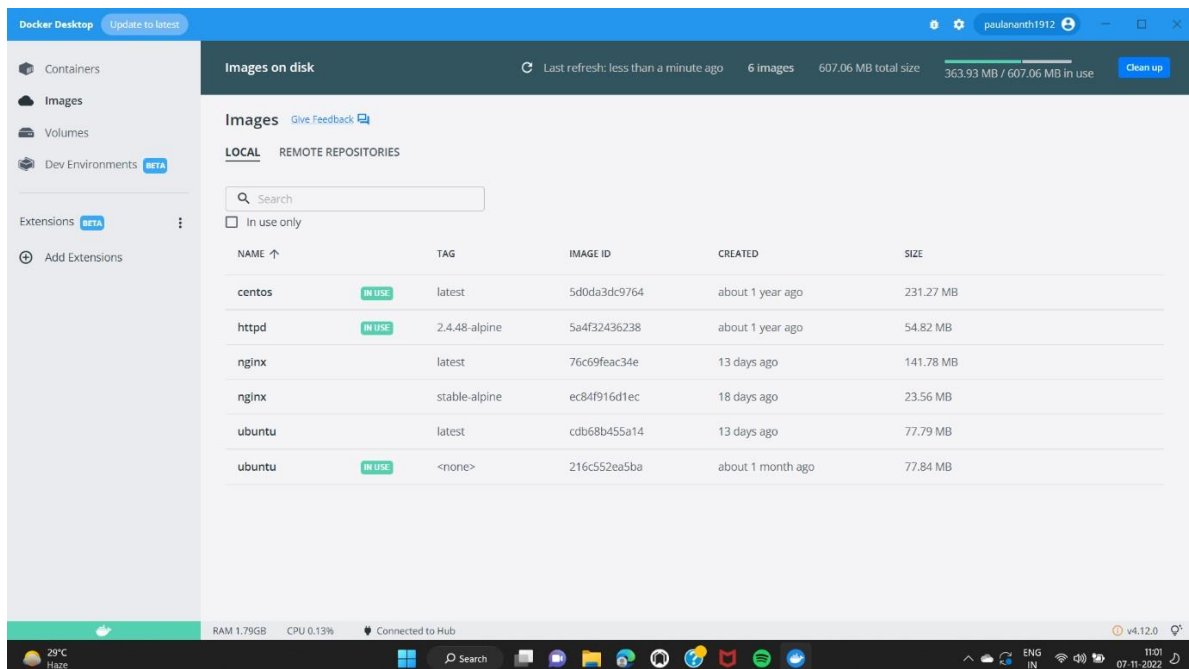
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Team ID	PNT2022TMID04517
Project Name	Inventory Management System for Retailers

TASK

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

Containerize the App

❖ Docker image creation

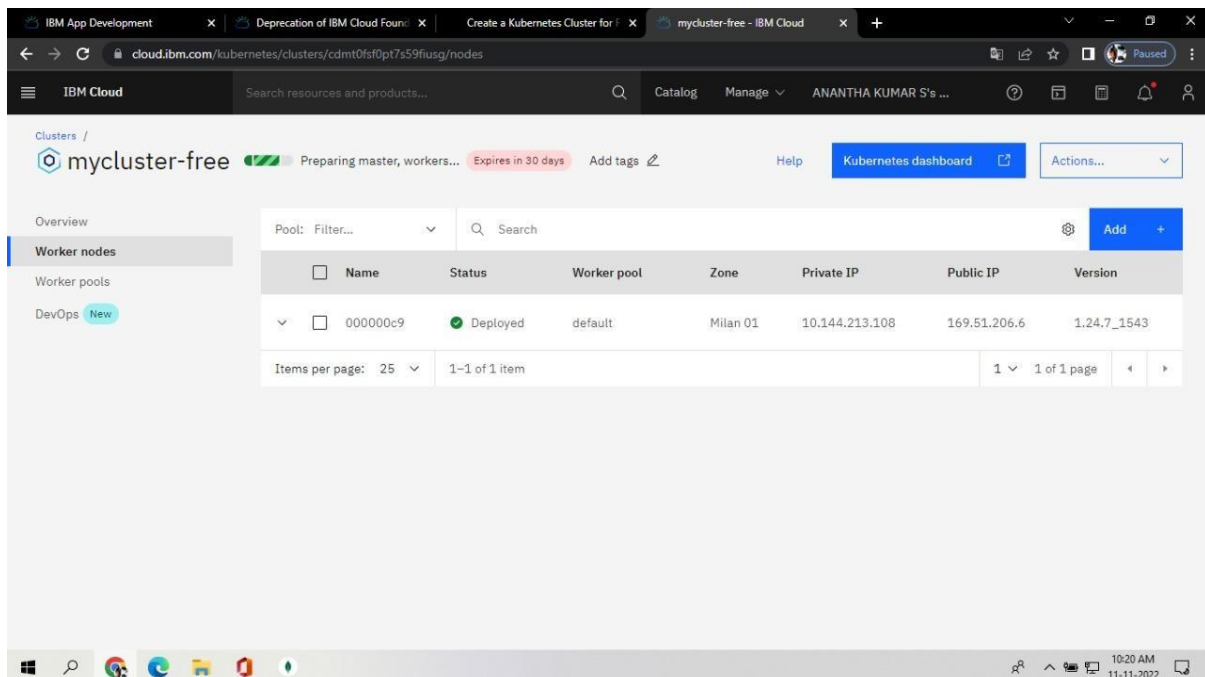


Upload image to IBM Container Registry

```
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 dashboard for a cluster named 'mycluster-free'. The cluster is in a 'Preparing master, workers...' state and expires in 30 days. The dashboard includes a sidebar with navigation options: Overview, Worker nodes, Worker pools, and DevOps (marked as 'New'). The main area displays a table of worker nodes. One node is listed with the 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 table has columns for Name, Status, Worker pool, Zone, Private IP, Public IP, and Version. The bottom of the dashboard shows a Windows taskbar with the time 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