

Deployment Of App In IBM Cloud

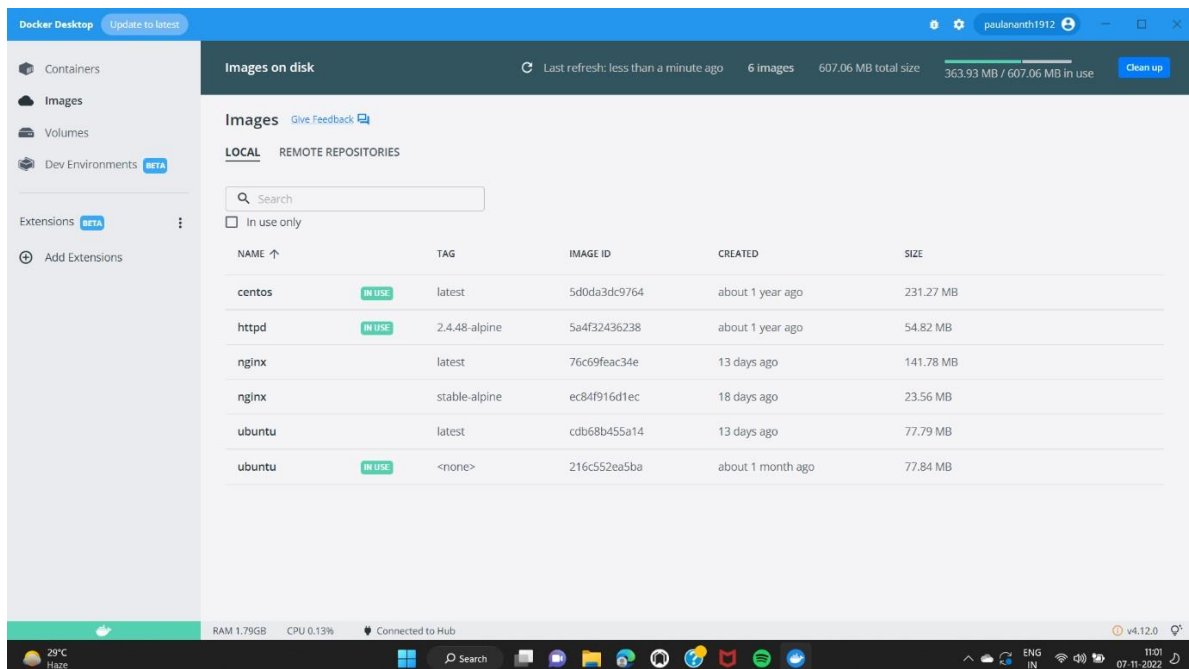
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|--------------|---|
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| Roll no | 737819CSR214 |
| Team ID | PNT2022TMID04517 |
| Project Name | Inventory Management System for Retailers |

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. The cluster 'mycluster-free' is in a 'Preparing master, workers...' state and expires in 30 days. The 'Worker nodes' section shows a table with one node:

| 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 |

The dashboard also includes a sidebar with 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps' (marked as 'New'). The bottom of the screen shows the Windows taskbar with the time 10:20 AM on 11-11-2022.