

## Deployment Of App in IBM Cloud

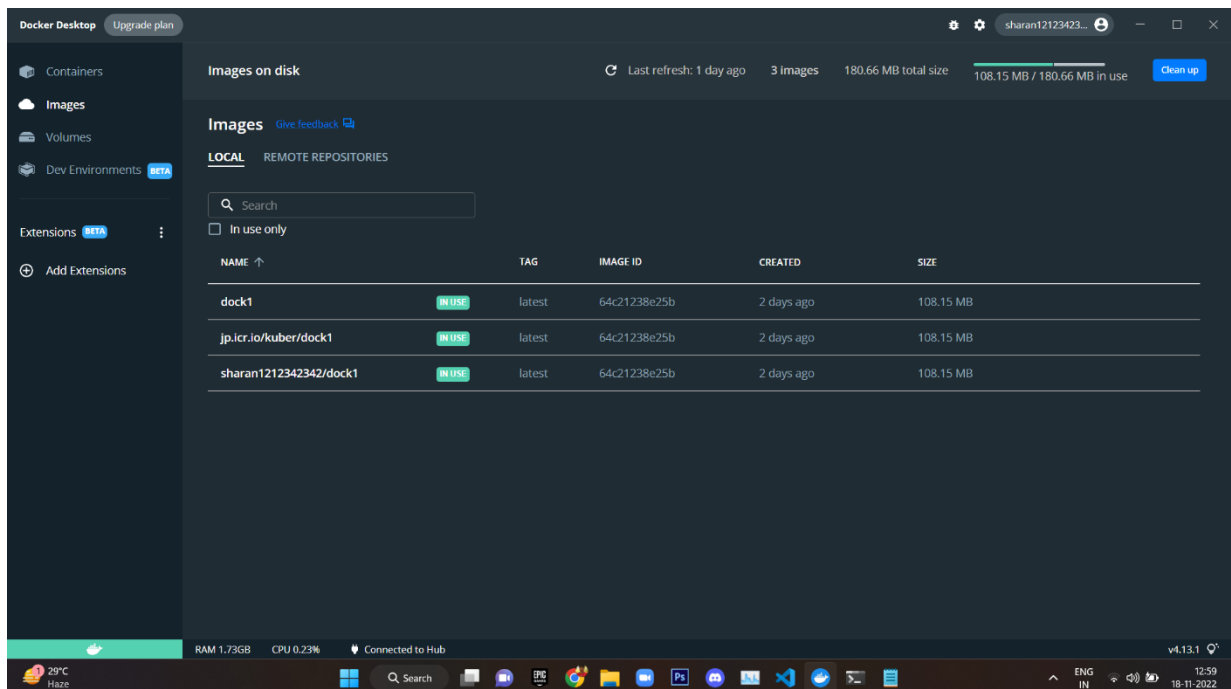
|              |   |
|--------------|---|
| Team ID      | PNT2022TMID43303                          |
| Project Name | Inventory Management System for Retailers |

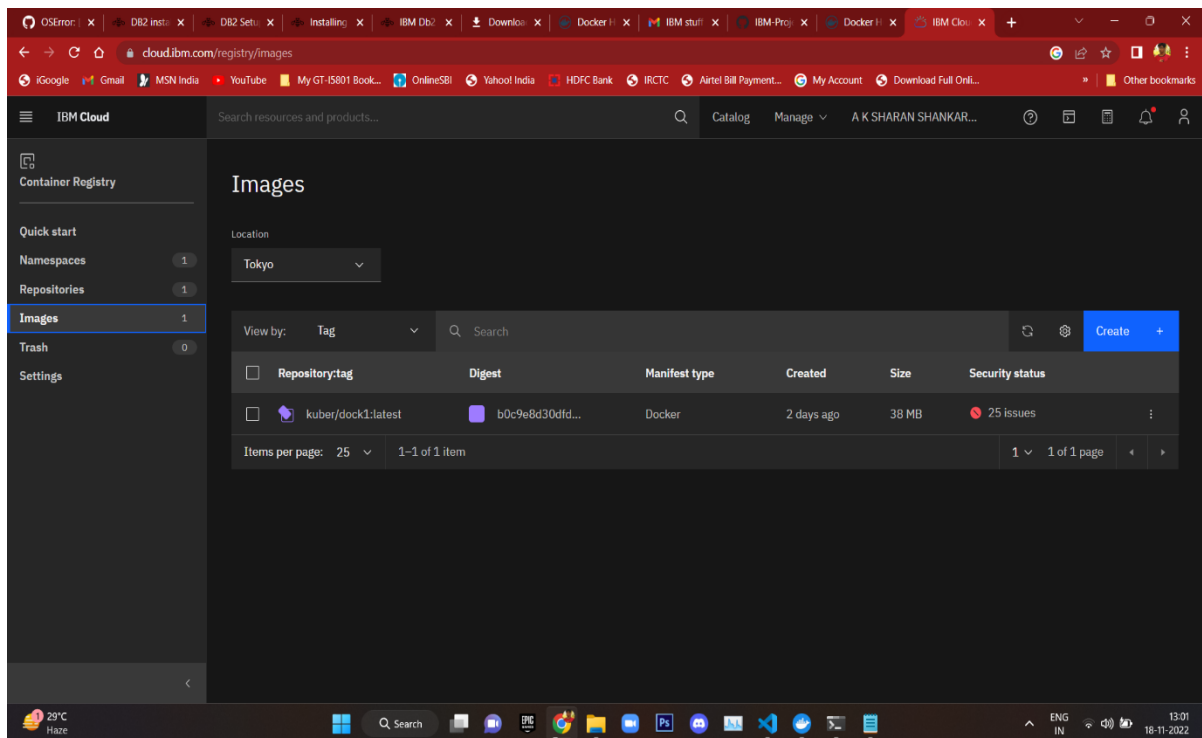
### TASK

- ☐ 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

```
Command Prompt
58c71ea40fb0: Waiting
2b0fb280b60d: Waiting
unauthorized: The login credentials are not valid, or your IBM Cloud account is not active.

C:\Users\shara>docker tag dockertest:latest jp2.icr.io/test1/dt_repo:1

C:\Users\shara>ibmcloud cr login --client docker
Logging 'docker' in to 'jp2.icr.io'...
Logged in to 'jp2.icr.io'.

OK

C:\Users\shara>
C:\Users\shara>docker push jp2.icr.io/test1/dt_repo:1
The push refers to repository [jp2.icr.io/test1/dt_repo]
30b0919f1dc1: Pushed
01c46d8867f1: Pushed
d025656eeee1: Pushed
f77b44634820: Pushed
5f354b8b5dc0: Pushed
f61107386c17: Pushed
db49993833a0: Pushed
58c71ea40fb0: Pushed
2b0fb280b60d: Pushed
1: digest: sha256:9b08f7f7584f684ce86c2dc6749fd331fb3585a2b37d5fbbef05a382049a1a4b size: 2204

C:\Users\shara>ibmcloud cr image-list
Listing images...

Repository      Tag  Digest          Namespace  Created      Size  Security status
jp2.icr.io/test1/dt_repo  1    9b08f7f7584f    test1      18 hours ago  38 MB  Scanning...

OK

C:\Users\shara>
```

## Deploy in Kubernetes Cluster:

The screenshot displays the Kubernetes dashboard interface. The top navigation bar shows the 'Workloads' section selected. The left sidebar lists various Kubernetes resources: Workloads, Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Replication Controllers, Stateful Sets, Service, Ingresses, Ingress Classes, Services, Config and Storage, Config Maps, and Persistent Volume Claims.

The main content area is divided into two sections. The top section, titled 'Workload Status', shows three large green circles representing the status of Deployments, Pods, and Replica Sets. Below each circle, it indicates the number of running instances: 'Running: 1' for Deployments, 'Running: 1' for Pods, and 'Running: 2' for Replica Sets.

The bottom section, titled 'Deployments', displays a table with the following columns: Name, Images, Labels, Pods, and Created. The table contains one entry for the deployment named 'dockerkuber'.

| Name        | Images   | Labels   | Pods  | Created   |
|-------------|----------|----------|-------|-----------|
| dockerkuber | Show all | Show all | 1 / 1 | a day ago |

The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 13:01 on 18-11-2022.