

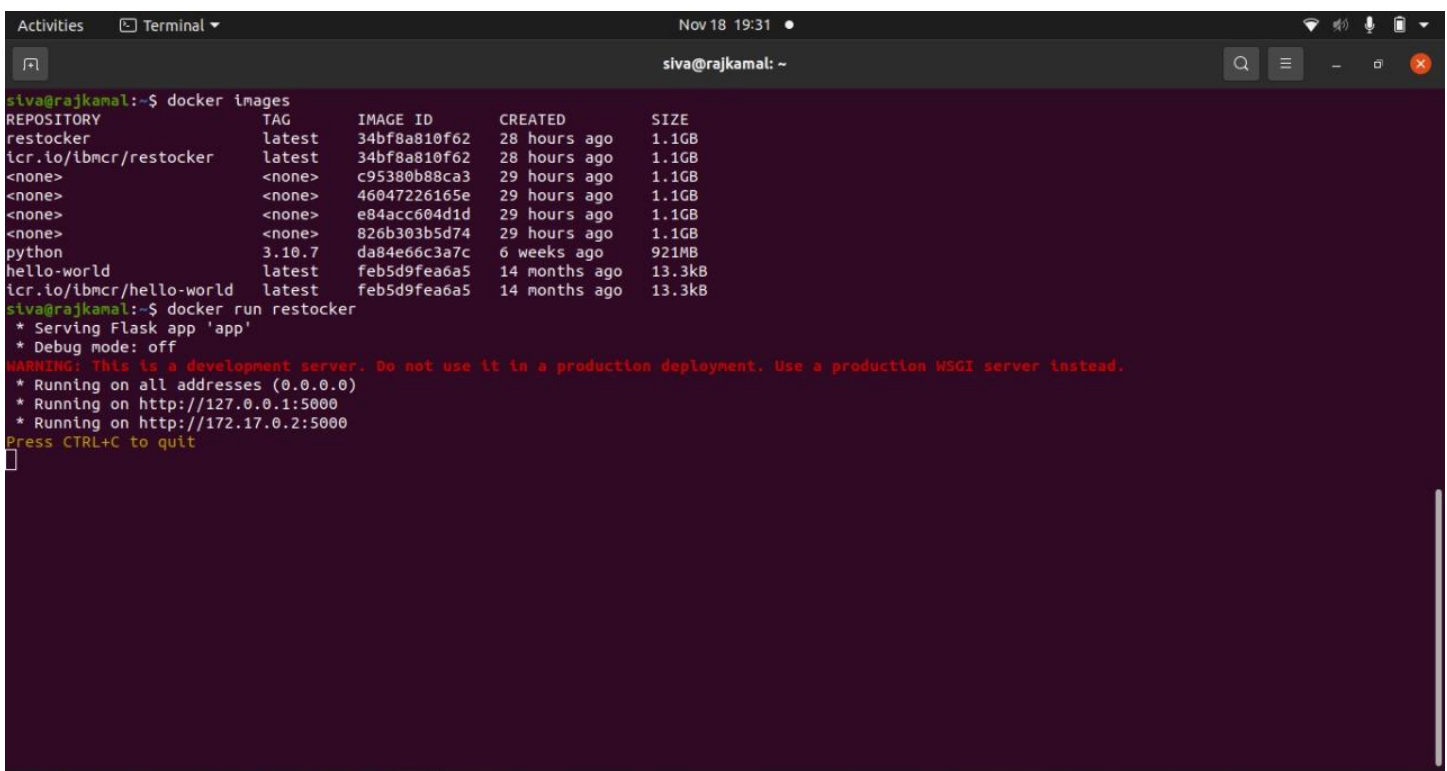
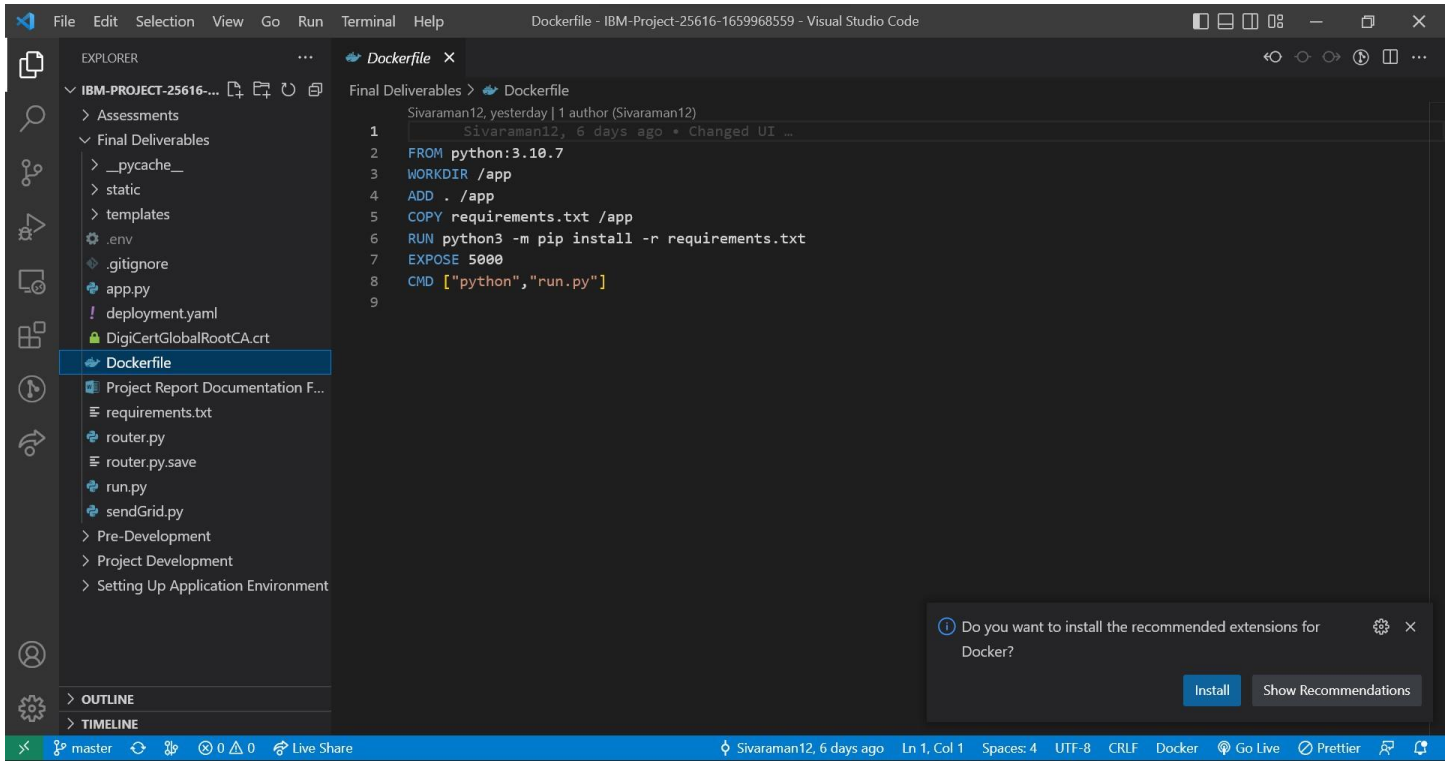
Github Repo: <https://github.com/IBM-EPBL/IBM-Project-25616-1659968559>

Team ID: PNT2022TMID21310

Team members:

- ❖ M1 Lead(Sethuram)
- ❖ M2 Lead(Sivaraman)
- ❖ M3 Lead(Dhinesh)
- ❖ Team Lead(Venkatesha Prabhu)

1. Containerize the app:



2. Upload image to container registry:

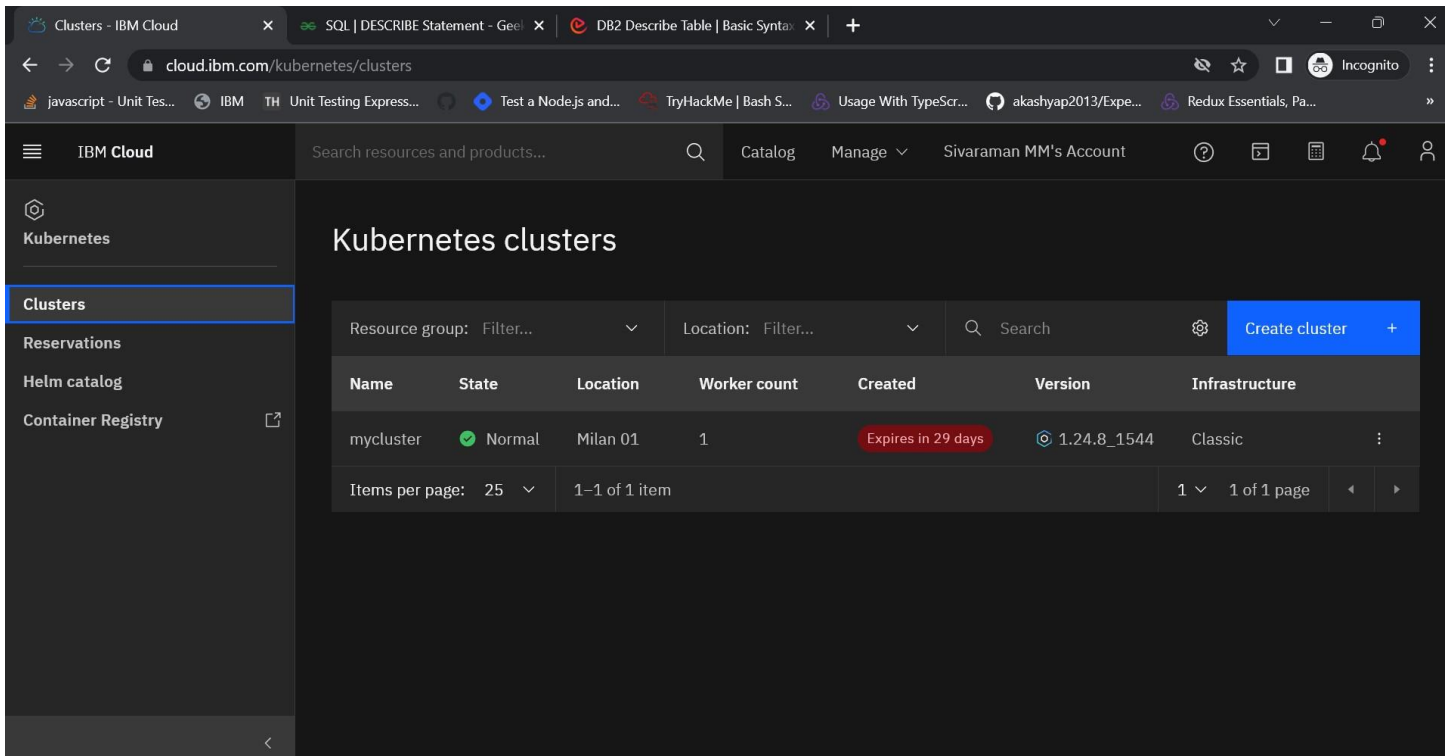
The screenshot shows the IBM Cloud Container Registry interface. The left sidebar has a 'Repositories' link highlighted. The main area is titled 'Repositories' and shows a list of repositories under the 'Global' location. The table lists two repositories: 'restocker' and 'hello-world', both in the 'ibmcr' namespace. The 'restocker' repository was updated 1 day ago, and 'hello-world' was updated 421 days ago. A 'Create' button is visible in the top right corner of the repository list.

Name	Image count	Namespace	Last updated
restocker icr.io/ibmcr/restocker	1	ibmcr	1 day ago
hello-world icr.io/ibmcr/hello-world	1	ibmcr	421 days ago

The screenshot shows the IBM Cloud Container Registry interface with the 'Images' link highlighted in the sidebar. The main area is titled 'Images' and shows a list of images under the 'Global' location. The table lists two images: 'ibmcr/restocker@sha256:cc14024365de...' and 'ibmcr/hello-world@sha256:f54a58bc1aac...'. The first image was created 1 day ago and has 23 security issues. The second image was created 421 days ago and has an 'Unsupported OS' security status. A 'Create' button is visible in the top right corner of the image list.

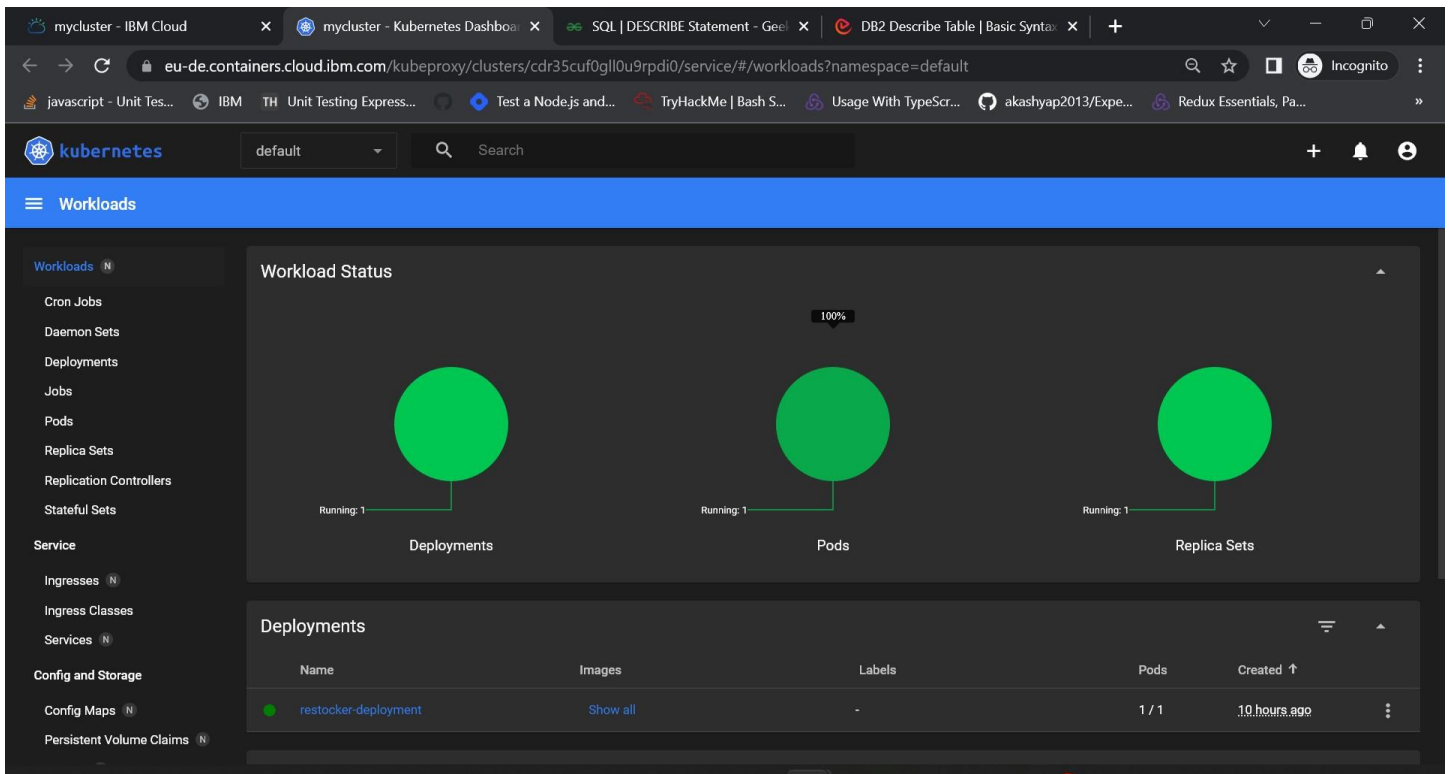
Repository@digest	Tags	Manifest type	Created	Size	Security status
ibmcr/restocker@sha256:cc14024365de...	latest	Docker	1 day ago	444 MB	23 issues
ibmcr/hello-world@sha256:f54a58bc1aac...	latest	Docker	421 days ago	2 KB	Unsupported OS

3. Deploy in kubernetes cluster:



The screenshot shows the IBM Cloud Kubernetes Clusters page. The left sidebar contains navigation links: Clusters, Reservations, Helm catalog, and Container Registry. The main content area is titled "Kubernetes clusters" and features a table of clusters. A "Create cluster" button is visible in the top right. The table lists a cluster named "mycluster" with a state of "Normal", location "Milan 01", and a worker count of 1. It also shows the cluster's expiration date and version.

Name	State	Location	Worker count	Created	Version	Infrastructure
mycluster	Normal	Milan 01	1	Expires in 29 days	1.24.8_1544	Classic



The screenshot shows the Kubernetes Dashboard Workloads page. The left sidebar contains navigation links: 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 titled "Workload Status" and displays three green circles representing the status of Deployments, Pods, and Replica Sets. Below this, a table lists the Deployments, showing a deployment named "restocker-deployment" with 1 pod and a creation time of 10 hours ago.

Name	Images	Labels	Pods	Created
restocker-deployment	Show all	-	1 / 1	10 hours ago

mycluster - IBM Cloud

mycluster - Kubernetes Dashboard

SQL | DESCRIBE Statement - Geel

DB2 Describe Table | Basic Synta

eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdr35cuf0gl0u9rpd0/service/#/workloads?namespace=default

javascript - Unit Tes...IBMTH Unit Testing Express...Test a Node.js and...TryHackMe | Bash S...Usage With TypeScr...akashyap2013/Expe...Redux Essentials, Pa...

kubernetes

default

Search

Workloads

Workloads N

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses N

Ingress Classes

Services N

Config and Storage

Config Maps N

Persistent Volume Claims N

Deployments

Pods

Replica Sets

Deployments

Name	Images	Labels	Pods	Created ↑
<div>restocker-deployment</div>	Show all	-	1 / 1	10 hours ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created ↑
<div>restocker-deployment-6574c8756c-vwm8l</div>	Show all	Show all	10.144.51.86	Running	0	1.00m	31.98Mi	10 hours ago

Replica Sets

Name	Images	Labels	Pods	Created ↑
<div>restocker-deployment-6574c8756c</div>	Show all	Show all	1 / 1	10 hours ago