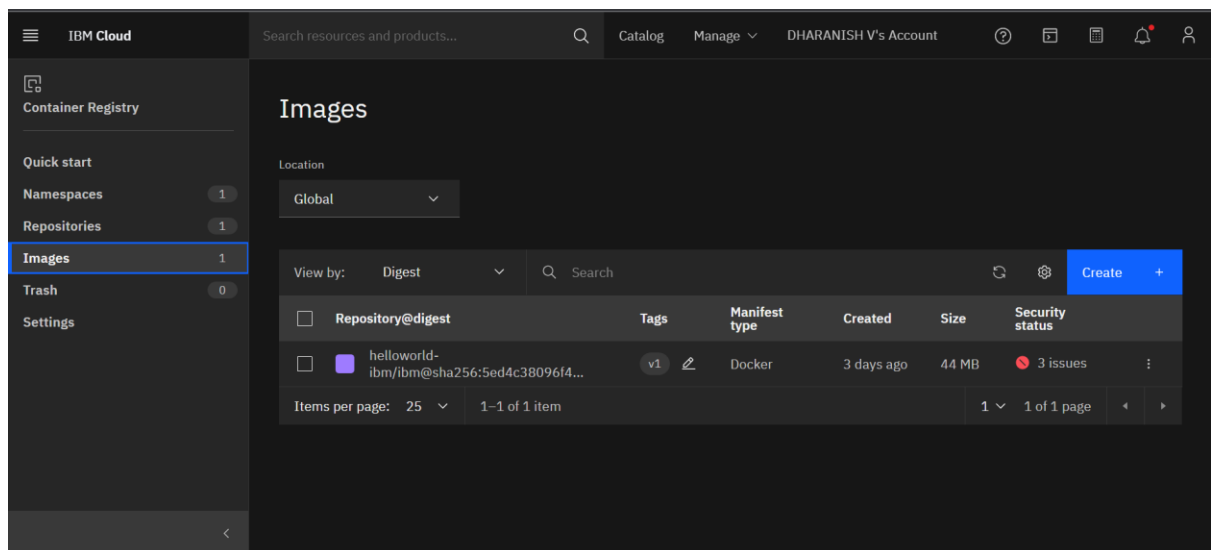


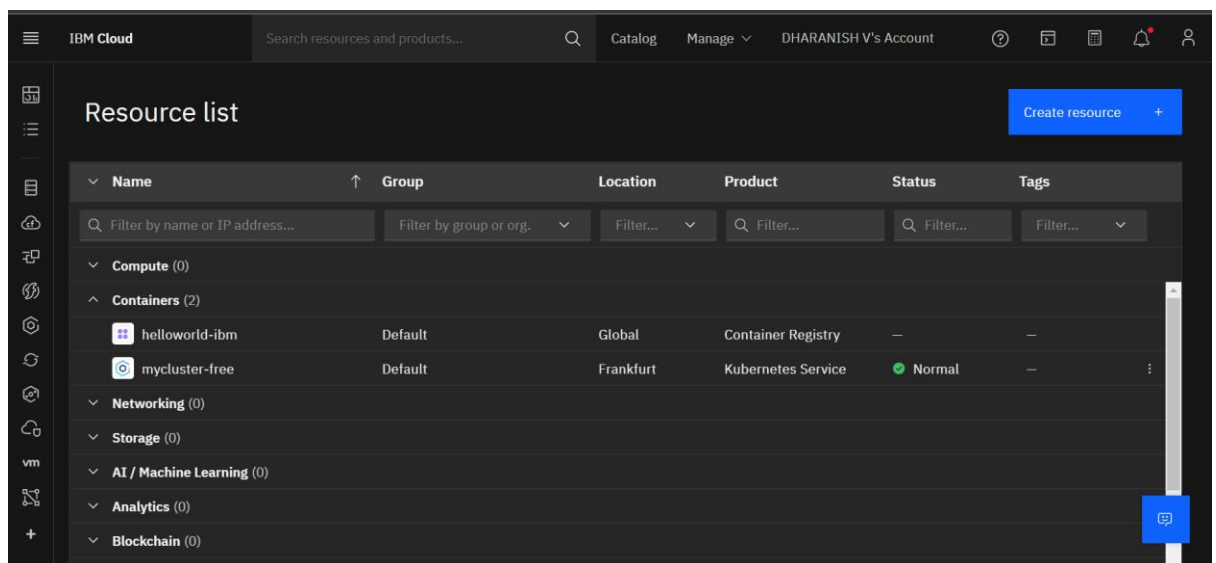
ASSIGNMENT - 4

Team ID	PNT2022TMID24580
Project Name	Plasma Donor Application

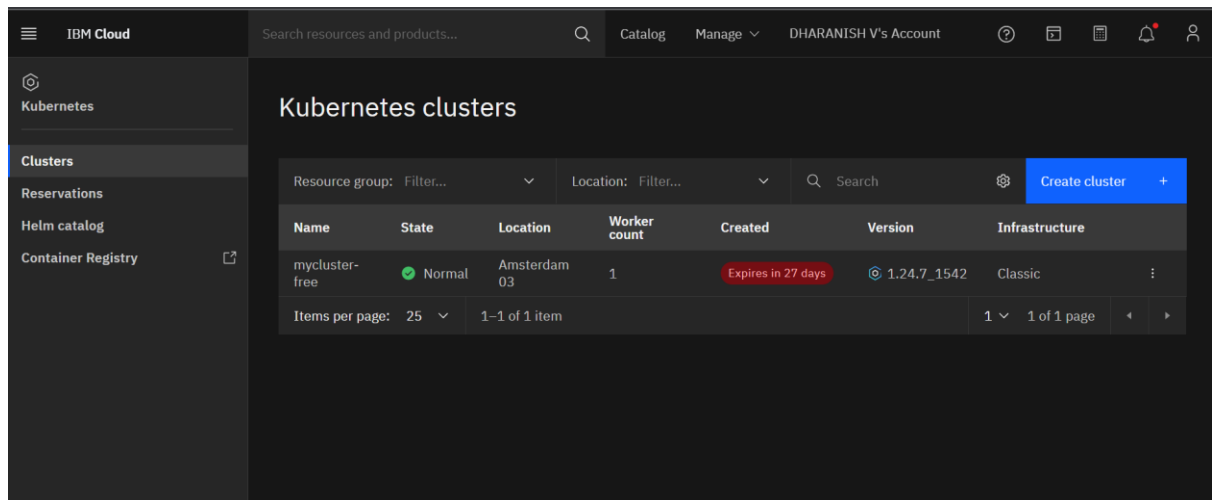
1. Creating and Uploading Docker Image of Flask Application in IBM Container Registry.



2. Resource List



3. Kubernetes Cluster



4 . Clusters

```
dhara@INCHEL-CTF6BH2:/mnt/c/Users/c-dhavan/Desktop/as-4$ ibmcloud ks cluster ls
OK
Name           ID              State   Created      Workers  Location  Version   Resource Group Name
mycluster-free cdjrmk4f0v81tlimd17g normal   20 hours ago 1         ams03     1.24.7_1542 Default
classic
dhara@INCHEL-CTF6BH2:/mnt/c/Users/c-dhavan/Desktop/as-4$ ibmcloud ks cluster config --cluster mycluster-free
OK
The configuration for mycluster-free was downloaded successfully.
```

5 . Cluster IP

```
dhara@INCHEL-CTF6BH2:/mnt/c/Users/c-dhavan/Desktop/as-4$ kubectl get nodes
NAME                STATUS    ROLES    AGE   VERSION
10.144.215.223      Ready    <none>    20h   v1.24.6+IKS
```

6 . Deployment.

```
dhara@INCHEL-CTF6BH2:/mnt/c/Users/c-dhavan/Desktop/as-4$ kubectl apply -f deployment.yaml
deployment.apps/helloworld created
```

7 . Final Output After Port forwarding.

