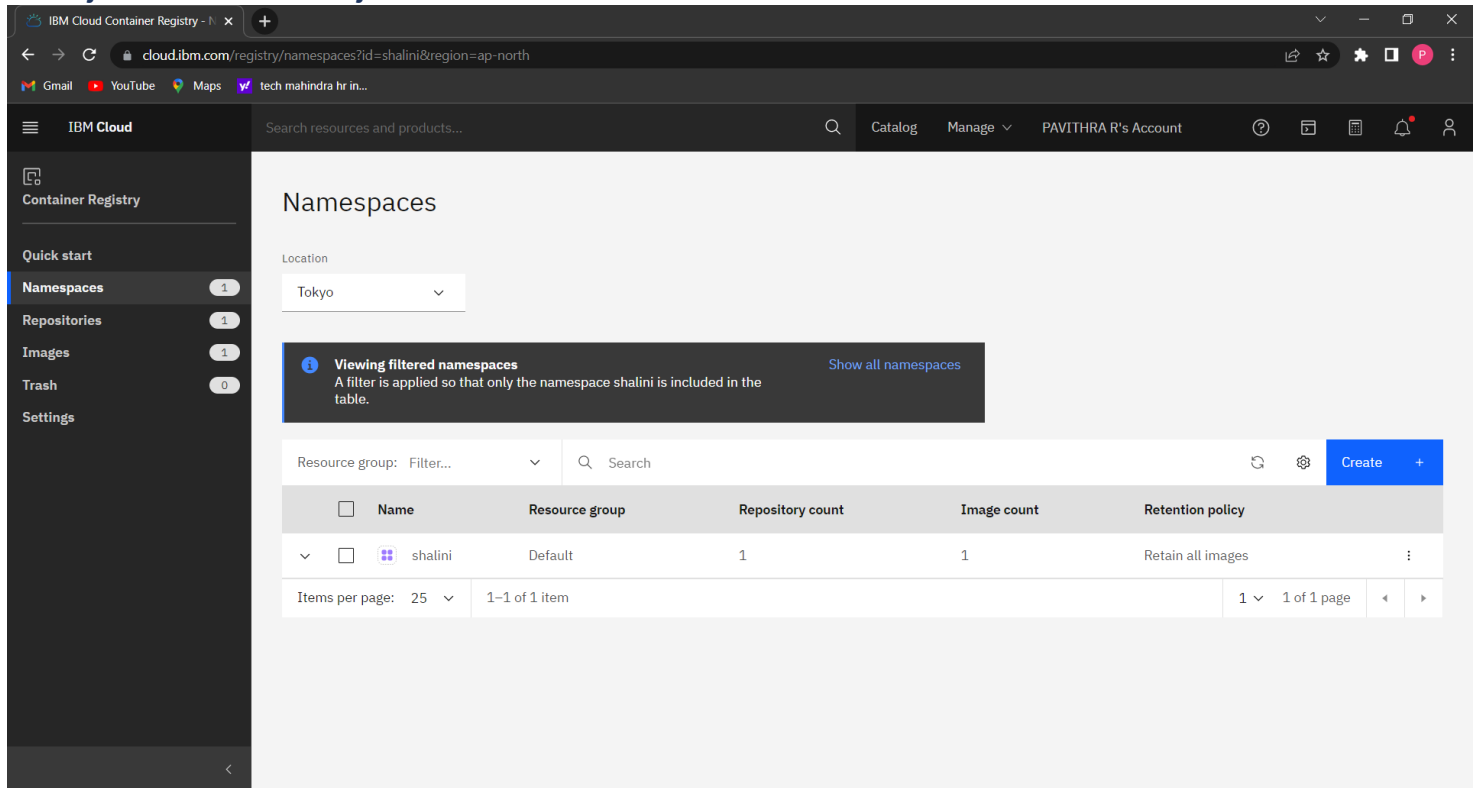


Upload Image To IBM Container Registry

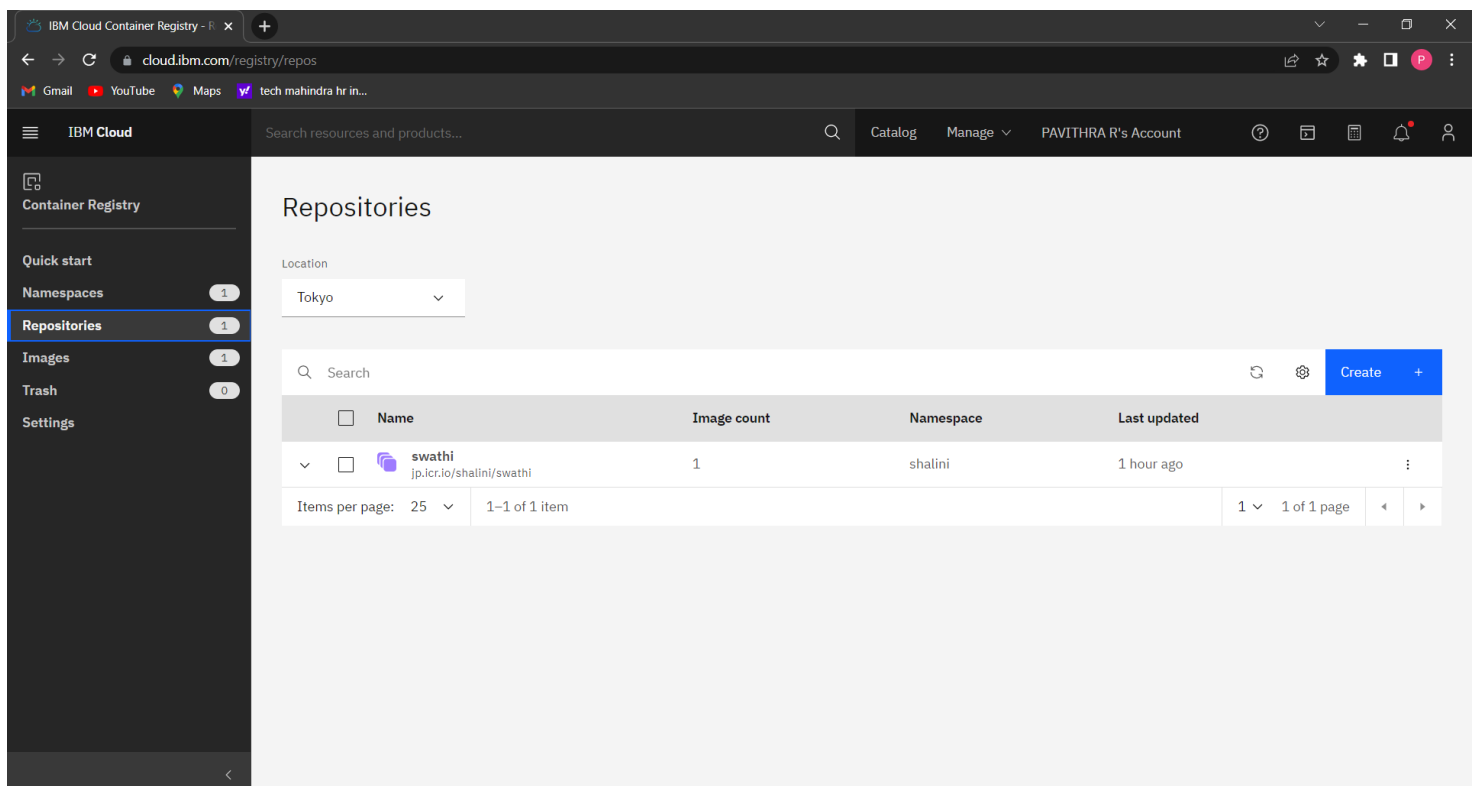
Team ID: PNT2022TMID26969

Project Name Project – PLASMA DONOR APPLICATION



The screenshot shows the IBM Cloud Container Registry interface. The left sidebar has a 'Namespaces' tab selected. The main content area is titled 'Namespaces' and shows a table with one namespace named 'shalini'. A notification banner at the top of the table states: 'Viewing filtered namespaces. A filter is applied so that only the namespace shalini is included in the table. Show all namespaces'. The table has columns for Name, Resource group, Repository count, Image count, and Retention policy.

Name	Resource group	Repository count	Image count	Retention policy
shalini	Default	1	1	Retain all images



The screenshot shows the IBM Cloud Container Registry interface with the 'Repositories' tab selected. The main content area is titled 'Repositories' and shows a table with one repository named 'swathi'. The table has columns for Name, Image count, Namespace, and Last updated. The repository 'swathi' is located under the 'shalini' namespace and was updated 1 hour ago.

Name	Image count	Namespace	Last updated
swathi jp.icr.io/shalini/swathi	1	shalini	1 hour ago

```

Administrator: Command Prompt

C:\Users\Pavi>ibmcloud plugin show container-service
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\Pavi\bluemix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show its details.

C:\Users\Pavi\OneDrive\Desktop\Final>ibmcloud ks cluster config --cluster cdtlapqf012hjtooukg
The configuration for cdtlapqf012hjtooukg was downloaded successfully.

Added context for cdtlapqf012hjtooukg to the current kubeconfig file.
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
If you are accessing the cluster for the first time, 'kubectl' commands might fail for a few seconds while RBAC synchronizes.

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl config current-context
mycluster-free/cdtlapqf012hjtooukg

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl apply -f kubernetess/ibm_deployment.yaml
deployment.apps/flask-app created

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl apply -f kubernetess/flask_service.yaml
service/flask-app-service created

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl apply -f kubernetess/flask_ingress.yaml
ingress.networking.k8s.io/flask-app-ingress created

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl get ing
NAME          CLASS    HOSTS      ADDRESS      PORTS      AGE
flask-app-ingress  <none>   *          80           23s

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl get svc
NAME          TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)      AGE
flask-app-service  ClusterIP     172.21.17.158    <none>           5000/TCP     53s
kubernetes        ClusterIP     172.21.0.1       <none>           443/TCP      5h27m

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl get nodes -o wide
NAME          STATUS    ROLES    AGE      VERSION    INTERNAL-IP    EXTERNAL-IP    OS-IMAGE             KERNEL-VERSION      CONTAINER-RUNTIME
10.144.222.182 Ready    <none>    5h20m    v1.24.7+IKS  10.144.222.182  159.122.186.47  Ubuntu 18.04.6 LTS   4.15.0-194-generic  containerd://1.6.8

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl expose deployment flask-app --type=NodePort --name=flask-app
service/flask-app exposed

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl expose deployment flask-app --type=NodePort --name=testingpage1
service/testingpage1 exposed

C:\Users\Pavi\OneDrive\Desktop\Final>kubectl get svc
NAME          TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)      AGE
flask-app      NodePort      172.21.35.223    <none>           5000:31233/TCP 70s
flask-app-service  ClusterIP     172.21.17.158    <none>           5000/TCP      3m31s
kubernetes        ClusterIP     172.21.0.1       <none>           443/TCP      5h30m
testingpage1     NodePort      172.21.42.193    <none>           5000:32519/TCP 15s

```

