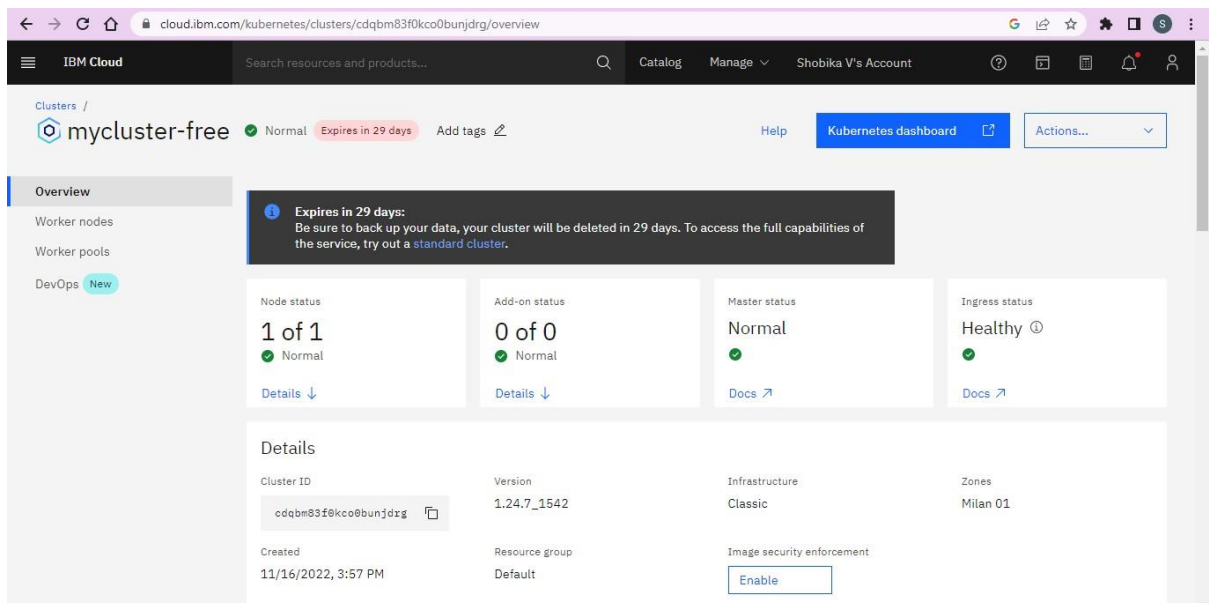


DEPLOYMENT OF APP IN IBM CLOUD

DEPLOY IN KUBERNETES CLUSTER

Date	24 th October 2022
Team ID	PNT2022TMID22186
Project Name	News Tracker Application

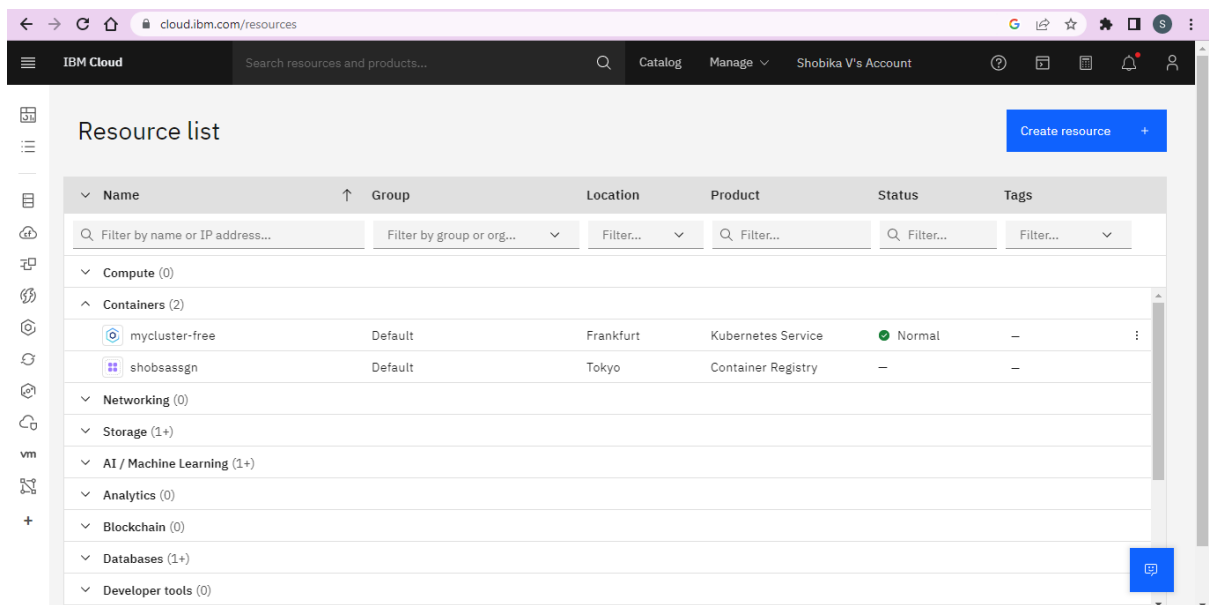


The screenshot shows the IBM Cloud Kubernetes cluster overview page. The cluster is named 'mycluster-free' and is in a 'Normal' state, with a warning that it expires in 29 days. The overview includes four status cards: Node status (1 of 1 Normal), Add-on status (0 of 0 Normal), Master status (Normal), and Ingress status (Healthy). Below these is a 'Details' section with fields for Cluster ID, Version, Infrastructure, Zones, Created, Resource group, and Image security enforcement.

Node status	Add-on status	Master status	Ingress status
1 of 1 Normal	0 of 0 Normal	Normal	Healthy

Cluster ID	Version	Infrastructure	Zones
cdqbm83f0kco0bunjdrjg	1.24.7_1542	Classic	Milan 01

Created	Resource group	Image security enforcement
11/16/2022, 3:57 PM	Default	Enable



The screenshot shows the IBM Cloud Resource list page. It features a table with columns for Name, Group, Location, Product, Status, and Tags. The table lists resources under various categories like Compute, Containers, Networking, Storage, AI / Machine Learning, Analytics, Blockchain, Databases, and Developer tools. The 'Containers' category is expanded, showing 'mycluster-free' and 'shobsassgn'.

Name	Group	Location	Product	Status	Tags
mycluster-free	Default	Frankfurt	Kubernetes Service	Normal	-
shobsassgn	Default	Tokyo	Container Registry	-	-

```

Org:
Space:
PS D:\IBM\Assignment_4> kubectl config get-contexts
CURRENT   NAME           NAMESPACE           CLUSTER               AUTHINFO
*         docker-desktop                docker-desktop        docker-desktop
          mycluster-free/cdqbm83f0kco0bunjdrj  mycluster-free/cdqbm83f0kco0bunjdrj  shobikavenkat02@gmail.com/22ae167894ad4cd189a37bc385b251b8/iam
.cloud.ibm.com-identity  default
PS D:\IBM\Assignment_4> kubectl config use-context docker-desktop
Switched to context "docker-desktop".
PS D:\IBM\Assignment_4> kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/flask-app unchanged
PS D:\IBM\Assignment_4> kubectl apply -f kubernetes/flask_service.yaml
service/flask-app-service unchanged
PS D:\IBM\Assignment_4> kubectl apply -f kubernetes/flask_ingress.yaml
ingress.networking.k8s.io/flask-app-ingress unchanged
PS D:\IBM\Assignment_4> kubectl get ing
NAME          CLASS  HOSTS  ADDRESS  PORTS  AGE
flask-app-ingress  <none>  *      80      18h
PS D:\IBM\Assignment_4> kubectl get svc
NAME          TYPE          CLUSTER-IP    EXTERNAL-IP    PORT(S)    AGE
flask-app-service  ClusterIP    10.106.89.63  <none>         5000/TCP   18h
kubernetes       ClusterIP    10.96.0.1     <none>         443/TCP    19h
PS D:\IBM\Assignment_4> kubectl get nodes -o wide
NAME          STATUS    ROLES    AGE    VERSION    INTERNAL-IP    EXTERNAL-IP    OS-IMAGE          KERNEL-VERSION    CONTAINER-RUNTIME
docker-desktop  Ready    control-plane  19h    v1.25.2    192.168.65.4   <none>         Docker Desktop    5.10.16.3-microsoft-standard-WSL2  docker://20.10.20
PS D:\IBM\Assignment_4>

```