

DEPLOYMENT OF APP IN IBM CLOUD

DEPLOY IN KUBERNETES CLUSTER

Date	24 th October 2022
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Project Name	News Tracker Application

The screenshot shows the IBM Cloud Clusters overview page for a cluster named 'mycluster-free'. The cluster is in a 'Normal' state and expires in 29 days. The page displays various status metrics and details.

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

Details:

Property	Value
Cluster ID	cdqbm83f0kco0bunjdrjg
Version	1.24.7_1542
Infrastructure	Classic
Zones	Milan 01
Created	11/16/2022, 3:57 PM
Resource group	Default
Image security enforcement	Enable

The screenshot shows the IBM Cloud Resource list page. It displays a table of resources categorized by type, with filters for name, group, location, product, status, and tags.

Name	Group	Location	Product	Status	Tags
Containers (2)					
mycluster-free	Default	Frankfurt	Kubernetes Service	Normal	-
shobsassgn	Default	Tokyo	Container Registry	-	-
Networking (0)					
Storage (1+)					
AI / Machine Learning (1+)					
Analytics (0)					
Blockchain (0)					
Databases (1+)					
Developer tools (0)					

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Org:
Space:
PS D:\IBM\Assignment_4> kubectl config get-contexts
CURRENT   NAME           NAMESPACE           CLUSTER           AUTHINFO
*          docker-desktop docker-desktop        docker-desktop    docker-desktop
           mycluster-free/cdqbm83f0kco0bunjdr9 mycluster-free/cdqbm83f0kco0bunjdr9 shobikavenkat02@gmail.com/22ae167894ad4cd189a37bc305b251b8/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>

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