DEPLOYMENT OF APP IN IBM CLOUD

DEPLOY IN KUBERNETES

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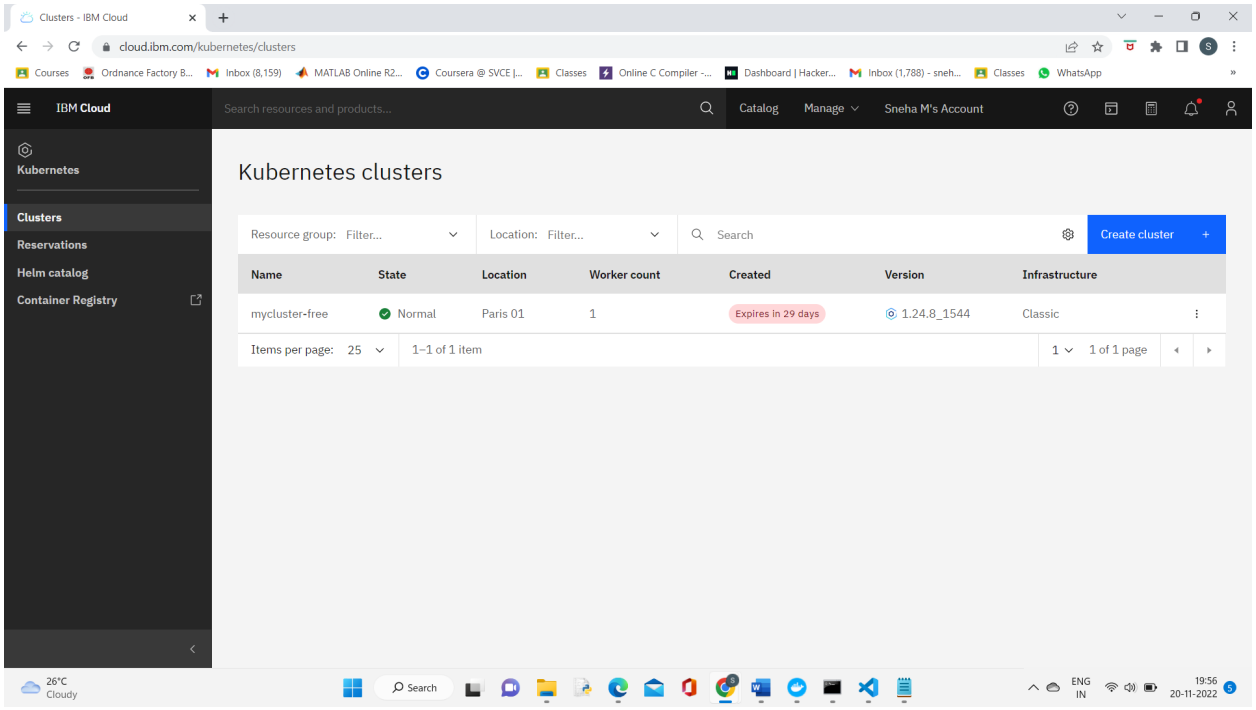
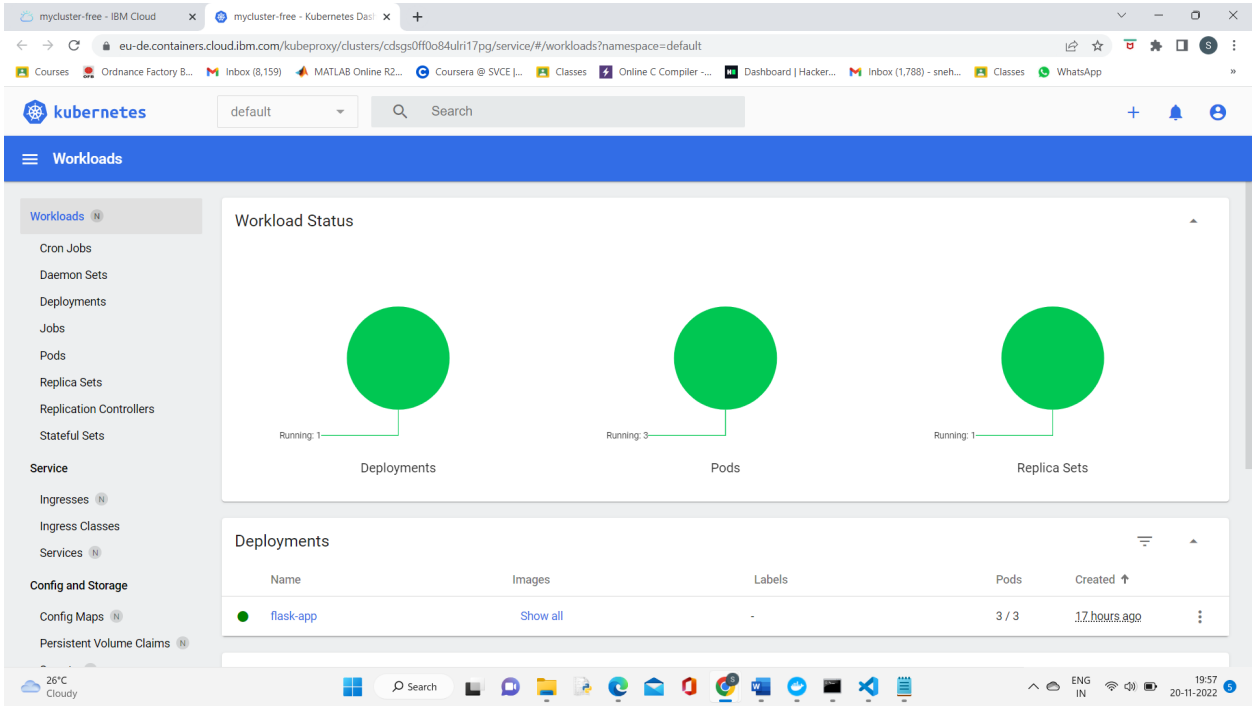
Project Name	Customer Care Registry

Step 1: Create a Kubernetes cluster in https://cloud.ibm.com/kubernetes/catalog/create



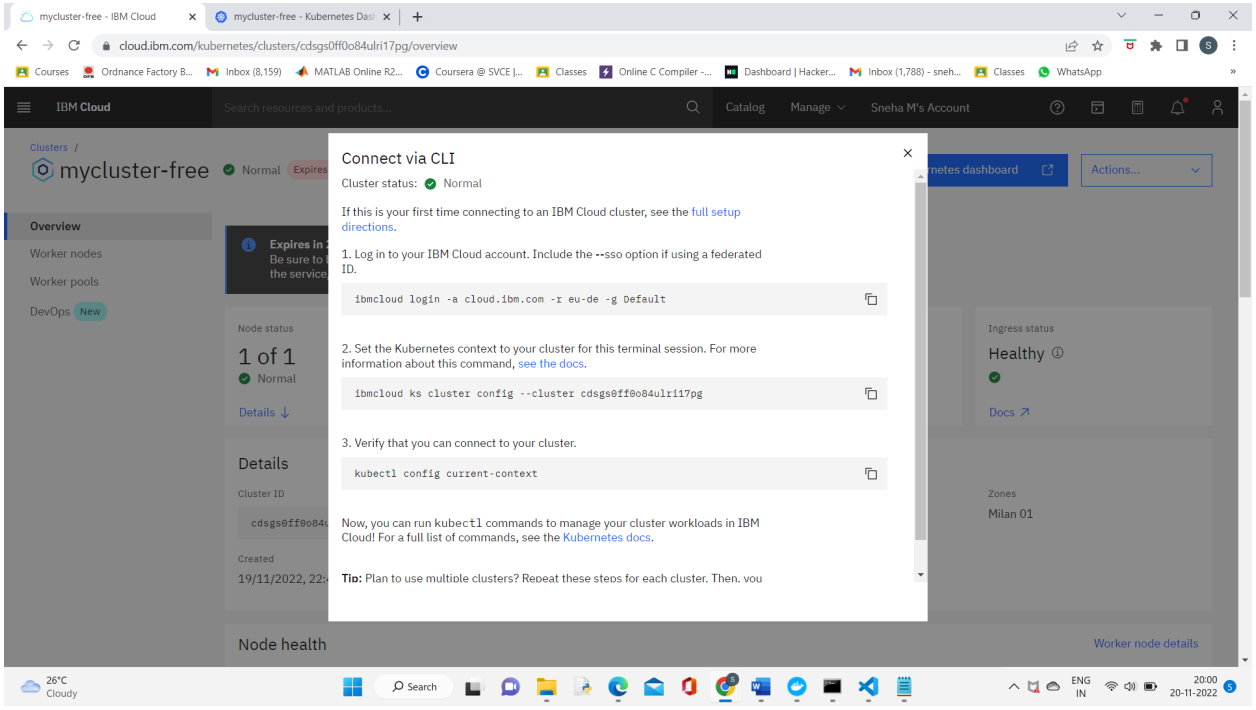
Step 2: Open the Kubernetes Dashboard



Step 3: Install IBM Cloud CLI (ibmcloud)
IBM Cloud Kubernetes Service plug-in (ibmcloud ks)
IBM Cloud Container Registry plug-in (ibmcloud cr)
IBM Cloud Kubernetes Service observability plug-in (ibmcloud ob)

https://cloud.ibm.com/docs/containers?topic=containers-cs_cli_install

Step 4: Follw the steps to connect via CLI



Step 5: Create files ibm_deployment.yaml, flask_service.yaml, flask_ingress.yaml files.

Step 6: Mention the name of the image from IBM container registry in ibm_deployment.yaml

Step 7: Execute the commands

kubectl config get-contexts
kubectl config use-context docker-desktop
kubectl apply -f kubernetes/ibm_deployment.yaml

kubectl apply -f kubernetes/flask_service.yaml

kubectl apply -f kubernetes/flask_ingress.yaml

kubectl get ing
kubectl get svc
kubectl get nodes -o wide

kubectl expose deployment flask-app --type=NodePort --name=flask-app

kubectl expose deployment flask_app **--type=NodePort --name=flask-app-service**

kubectl describe svc **flask-app-service**

kubectl describe svc flask-app-

Step 8: Get the cluster IP and the nodeport.

Step 9: Flask app is deployed in the below address.

http://<cluster-ip>:<port>