Deployment of App in IBM Cloud

Deploy On Kubernets

Date	19 NOV 2022
Team ID	PNT2022TMID47584
Project Name	Skill and Job Recommender
Team Members:	Samyappan(leader),varunkumar.murugan,naveen

Step 1 :

Go to the Project Repository then Create the Deployment.yaml and Service.yaml files.

Step 2 :

In deployment.yaml file Type the Following Code.

```
apiVersion: extensions/v1beta1
 kind: Deployment
 metadata:
   name:  flask-node-deployment
 spec:
   replicas: 1
   selector:
     matchLabels:
       app:  flasknode
   template:
     metadata:
       labels:
         app:  flasknode
     spec:
       containers:
       - name: flasknode
         image: registry.ng.bluemix.net/flask-node/app
         imagePullPolicy: Always
         ports:
         - containerPort: 5000
```

Step 3 :

In service.yaml file Type the Following Code.

```
apiVersion:  v1
 kind:  Service
 metadata:
   name:  flask-node-deployment
 spec:
   ports:
   - port: 5000
     targetPort: 5000
   selector:
     app:  flasknode
```

Step 4 :

Then follow the steps to deploy.

1. Target the IBM Cloud Kubernetes Service region where you want to work.

    ibmcloud cs region-set us-south

2. Set the context for the cluster in your CLI.

    ibmcloud cs cluster-config cluster_kunal> export
KUBECONFIG=/Users/$USER/.bluemix/plugins/container-service/clusters/< cluster_name
>/< cluster_configuration_file.yaml>

3. Verify that you can connect to your cluster by listing your worker nodes.
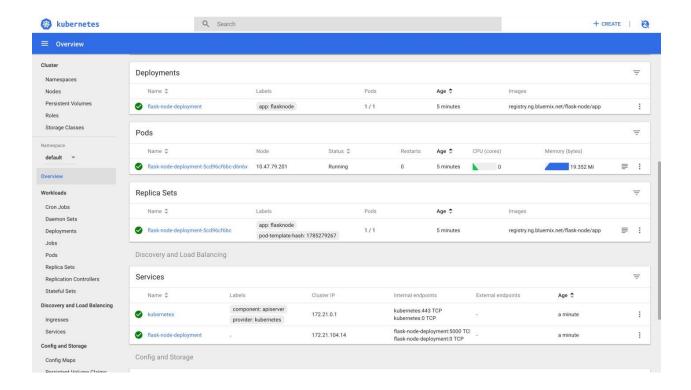
    kubectl get nodes

4. Create the deployment.

    kubectl create -f deployment.yaml

5. Create the service.
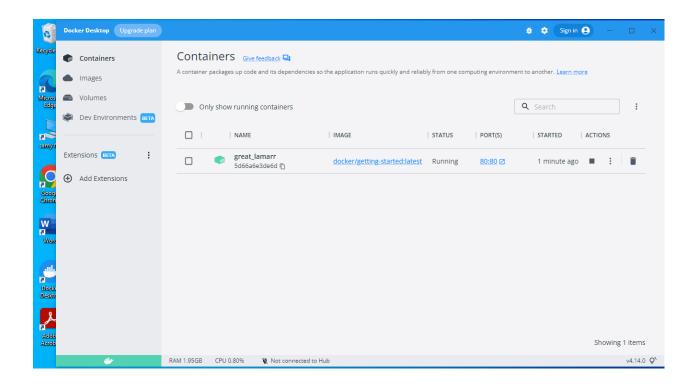
    kubectl create -f service.yaml

Step 5 :

Look the Kubernet Page.

Step 6 :

Finally, go to the browser and ping the Public IP of your worker node.

Step 7 :

Finally deploy the image on kubernet Successfully.