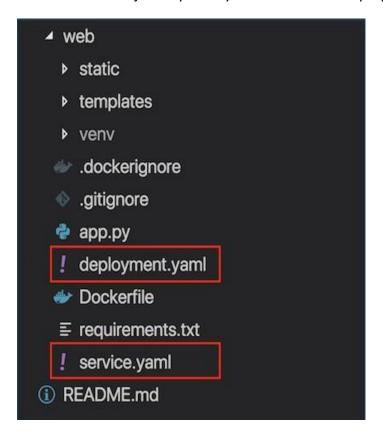
Deployment of App in IBM Cloud

Deploy On Kubernets

Date	18 November 2022
Team ID	PNT2022TMID42197
Project Name	Customer Care Registry
Team Members	Arrush N,Kanishkar R,Poojashree R,Pradap V

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.

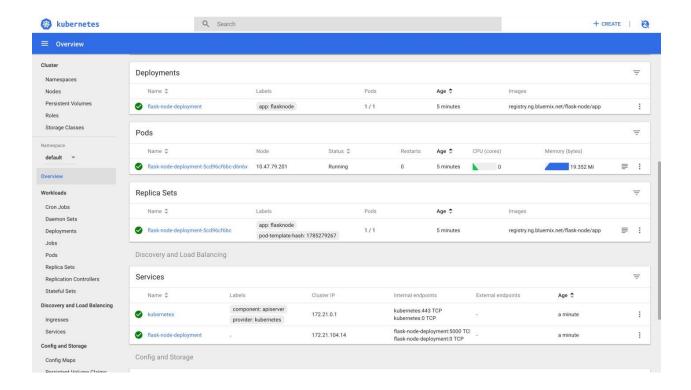
kubectl create -f deployment.yaml

5. Create the service.

kubectl create -f service.yaml

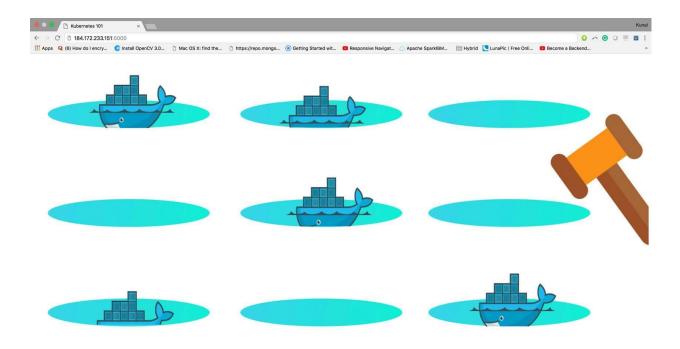
Step 5:

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.