Deployment of App in IBM Cloud

Deploy On Kubernets

Date	19 NOV 2022
Team ID	PNT2022TMID03852
Project Name	Skill and Job Recommender
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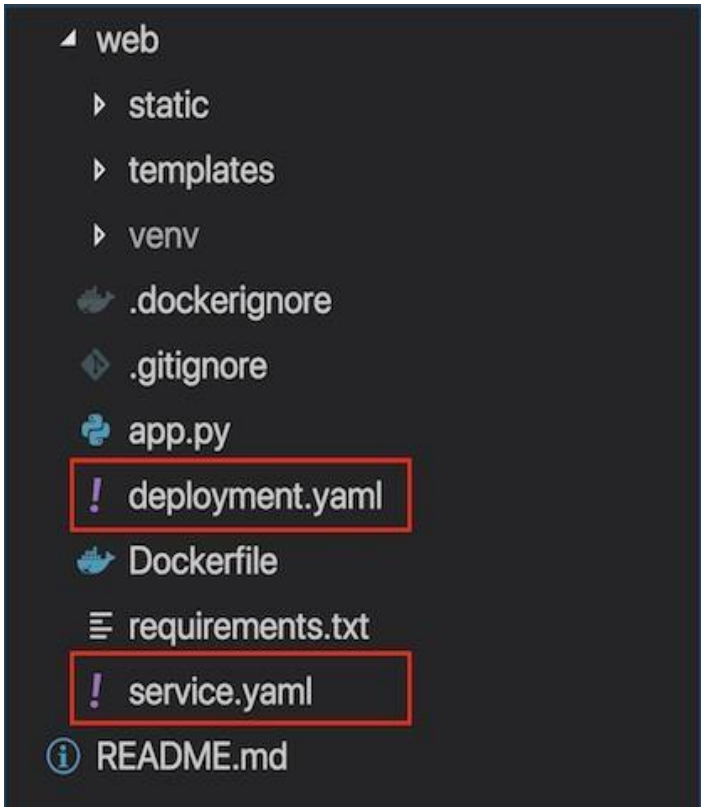
Step 1 :

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.

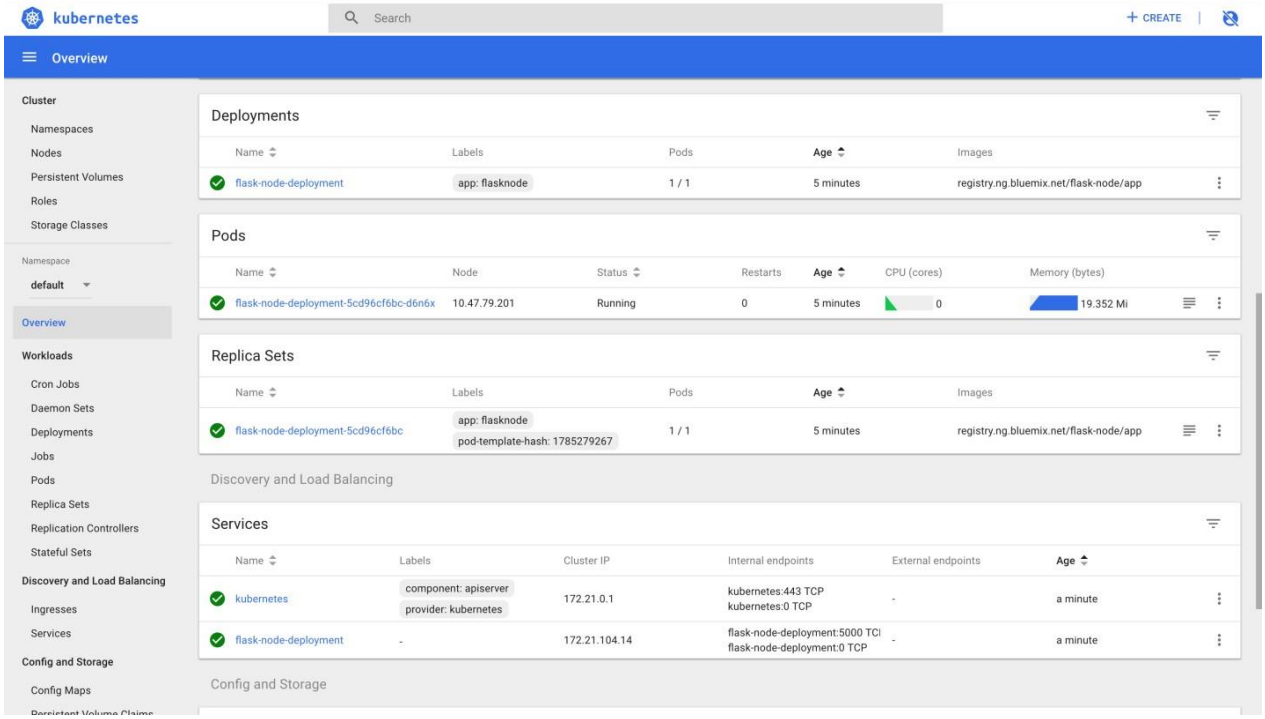
```
kubectl create -f deployment.yaml
```

5. Create the service.

```
kubectl create -f service.yaml
```

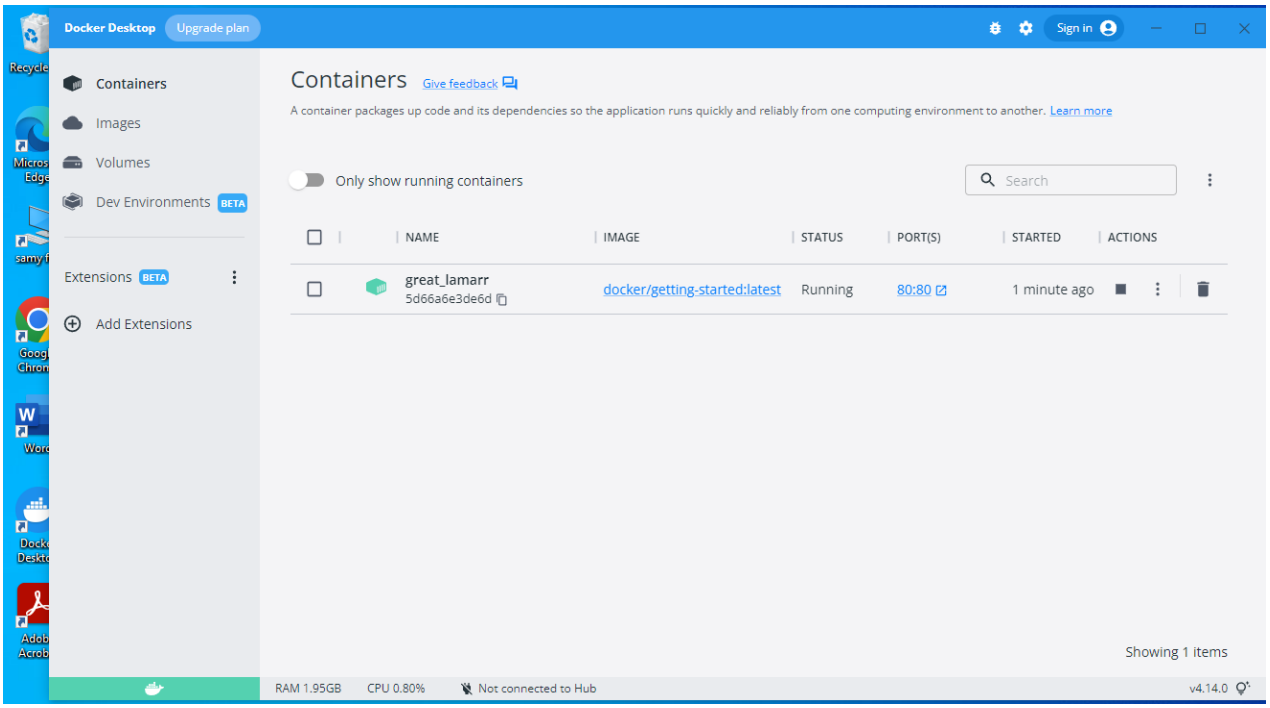
Step 5 :

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.