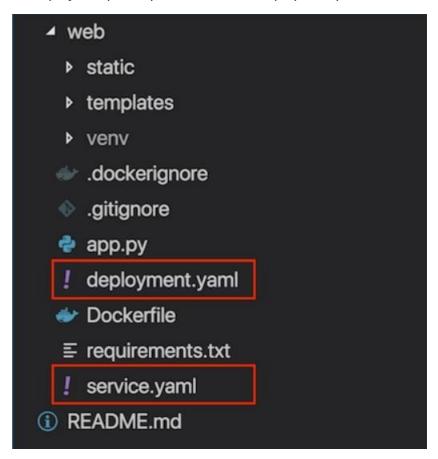
# **DEPLOY IN KUBERNETES CLUSTER**

Date	19 November 2022
Team ID	PNT2022TMID32723
Project Name	Plasma Donor application

## STEP 1:

Go to project repository, then create the Deployment.yaml and Service.yaml files.



## STEP 2:

In Deployment.yaml, 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:

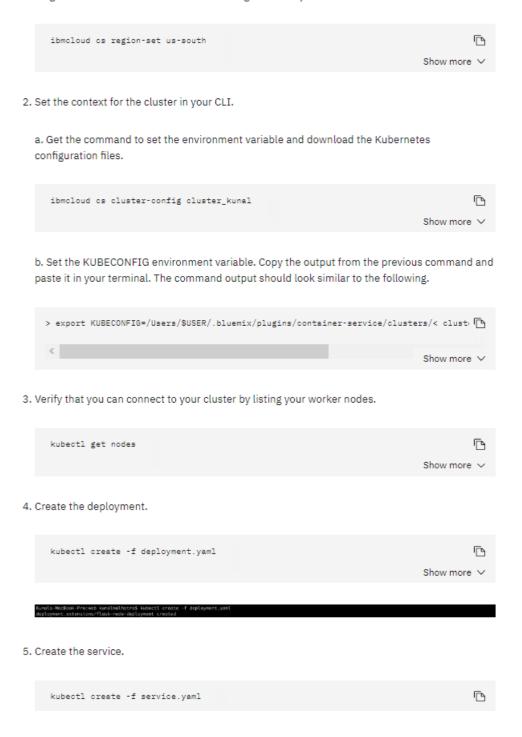
In Service.yaml, Type the following code.

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

## STEP 4:

Follow the below Instructions.

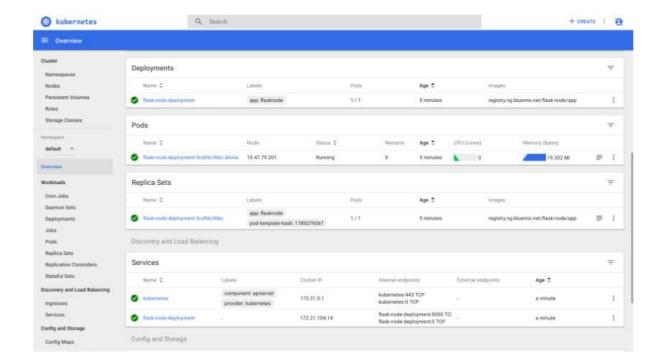
1. Target the IBM Cloud Kubernetes Service region where you want to work.



b. > export KUBECONFIG=/Users/\$USER/.bluemix/plugins/containerservice/clusters/< cluster name >/< cluster configuration file.yaml>

#### STEP 5:

Look at the Kubernetes dashboard from the IBM Kubernetes Service overview page.



## STEP 6:

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