DEPLOYMENT OF APP IN IBM CLOUD

DEPLOY IN KUBERNETES CLUSTER

Team ID	PNT2022TMID50559
Project Name	CONTAINMENT ZONE ALERTING APPLICATION
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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.

   a. Get the command to set the environment variable and download the Kubernetes configuration files.

   ```
   ibmcloud cs cluster-config cluster_kunal
   ```

   b. Set the KUBECONFIG environment variable. Copy the output from the previous command and paste it in your terminal. The command output should look similar to the following.

   ```
   > 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
```

```
Kunals-MacBook-Pro:web kunalmalhotra$ kubectl create -f deployment.yaml
deployment.extensions/flask-node-deployment created
```

5.   Create the service.

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

```
Kunals-MacBook-Pro:web kunalmalhotra$ kubectl create -f service.yaml

service/flask-node-deployment created
```

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

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