DEPLOYMENT OF APP IN IBM CLOUD

DEPLOY IN KUBERNETES CLUSTER

Team ID	PNT2022TMID00768
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
```

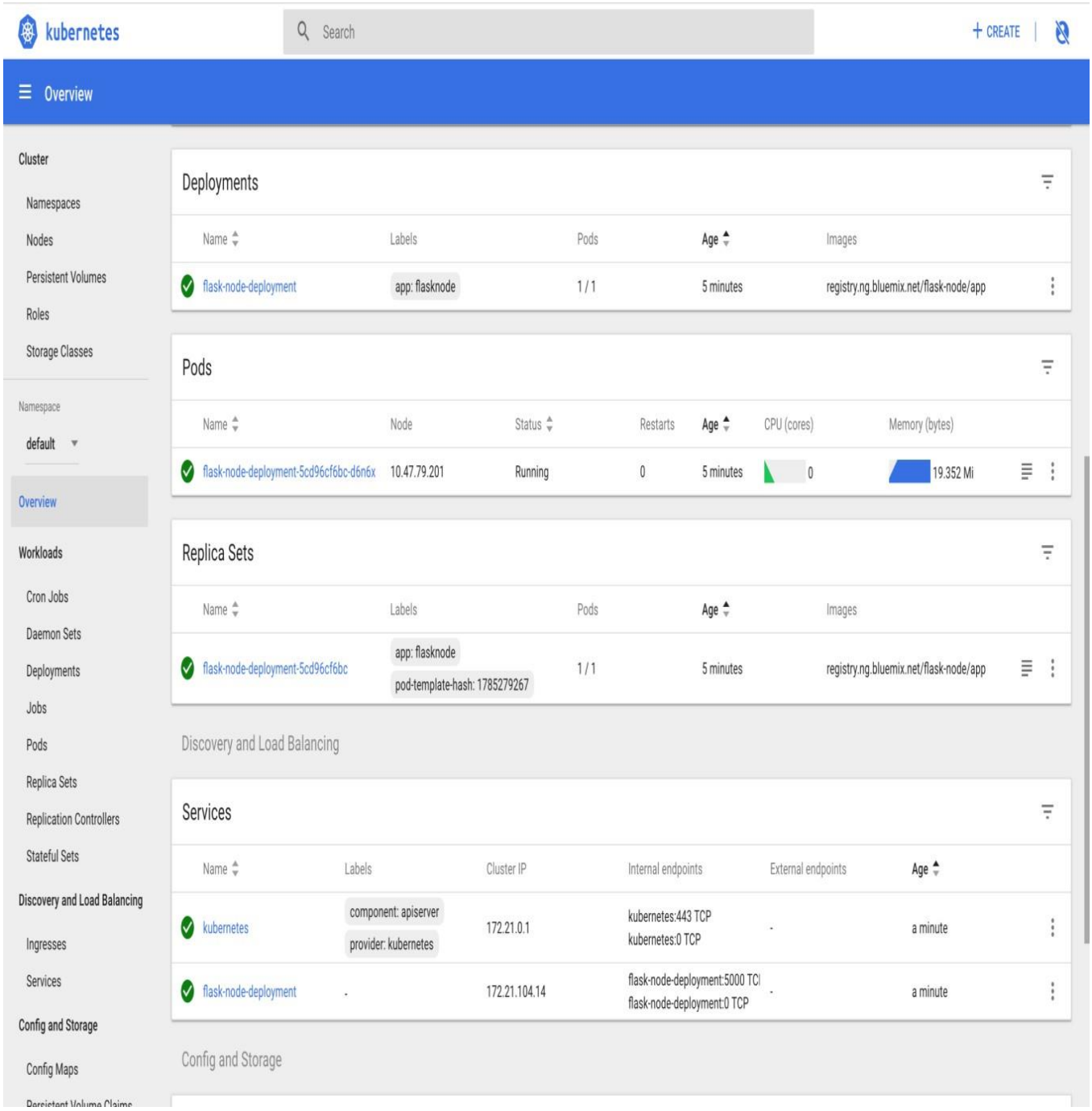
4. **Create the deployment.**

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

5. **Create the service.**

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

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.**