

Deployment of App in IBM Cloud

Upload image to IBM Container Registry

Team ID	PNT2022TMID45809
Project Name	Plasma Donor Application

Push the image to the IBM Cloud Registry



Code

```
ibmcloud plugin install container-registry -r "IBM Cloud"
```

```
ibmcloud login -a <cloud_foundry_end_point_for_the_region>
```

```
ibmcloud cr namespace-add <namespace>
```

```
ibmcloud cr namespace-add <namespace>
```

```
docker tag <image_name> <region_url>/<namespace>/<image_name>:<tag>
```

`docker push <region_url>/<namespace>/<image_name>:<tag>`

`ibmcloud cr image-list`

```
kunali-nbp:web kunali@ctrl:~$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
c985418b27c1: Pushed
f956e958721: Pushed
437e8db6a234: Pushed
ba884c50644: Pushed
f989a2f3739: Layer already exists
7bac9a9c283: Layer already exists
3172bcd1177: Layer already exists
8a04c3e8a64: Layer already exists
17a8774b779: Layer already exists
7a8c3f92c8d: Layer already exists
ce6466f43b1: Layer already exists
713a4508b63: Layer already exists
301051a499a: Layer already exists
latest: digest: sha256:581525421152b5a08166782b74da1783e97e8699b9187afa2a8433b9d2a size: 3061
kunali-nbp:web kunali@ctrl:~$
```

```
kunali-nbp:web kunali@ctrl:~$ ibmcloud cr image-list
Listing images...
IMAGE NAME                                TAG          IMAGE SIZE    NAMESPACE    CREATOR    SIZE    SECURITY STATUS
registry.ng.bluemix.net/flask-node/app    latest       372447081B    flask-node    1 day ago  306 MB  2 Issues
kunali-nbp:web kunali@ctrl:~$
```

deployment.yaml 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/flas

k-node/app

imagePullPolicy: Always

ports:

- containerPort: 5000

service.yaml apiVersion:

v1 kind: Service metadata:

name: flask-node-

deployment

spec:

ports:

- port: 5000 targetPort: 5000

selector: app:

flasknode

Deploy your application to Kubernetes

