

Deploymnet of App in IBM Cloud
Upload image to IBM Container Registry

Date	08 November 2022
Team ID	PNT2022TMID21428
Project Name	Inventory Managment System For Retailers

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
```

```
kunels-nbp:web kunelne1hotro$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
d985410b27c1: Pushed
196dc0258721: Pushed
d3781b04c234: Pushed
b0f88a5896d4: Pushed
1885ea2f1739: Layer already exists
79dc8e01c283: Layer already exists
1172ba01177f: Layer already exists
8a04c3a6f064: Layer already exists
1fa8778eb779: Layer already exists
fab33f991c8d: Layer already exists
ce6466f43b11: Layer already exists
713645669b35: Layer already exists
7b18514a989e: Layer already exists
latest: digest: sha256:5015254c21592b5ab08166707b74dd1763e97e00059d91187afa2a80433b362ab size: 5061
kunels-nbp:web kunelne1hotro$
```

```
kunels-nbp:web kunelne1hotro$ ibmcloud cr image-list
Listing images...
# REGISTRY          TAG          IMAGE SIZE    NAMESPACE    CREATED      SIZE    MEMORY    STATES
registry.ng.bluemix.net/flask-node/app    latest      5725d17081c8    Flask node    1 day ago    266 MB    3 Images
```

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

apiVersion: v1

kind: Service

metadata:

name: flask-node-deployment

spec:

ports:

- port: 5000

targetPort: 5000

selector:

app: flasknode