


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

Date	11 November 2022
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Project Name	Personal tracker expense application

**Push the image to the IBM Cloud Registry**



 Containers

Overview

Clusters


Registry 

Quick Start

**Private Repositories**

IBM Public Repositories

Namespaces

Vulnerability Advisor 

Solutions 

## 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
```

```
kunals-nbp:web kunals@htnra$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
c985418b27c1: Pushed
f956a250728: Pushed
437e8db4a294: Pushed
ba184c50644: Pushed
198ba8f3779: Layer already exists
7ba63a4bc283: Layer already exists
1177ba01177f: Layer already exists
8a64c3a8a654: Layer already exists
1fa877ab779: Layer already exists
fab63f992c8d: Layer already exists
ce6466f43b11: Layer already exists
71364568a35: Layer already exists
7b18514a99e: Layer already exists
latest: digest: sha256:5815254c21592b3a08168702b74da1763e97e886c9d9187afa2a0433b9d2ab size: 3061
kunals-nbp:web kunals@htnra$
```

```
kunals-nbp:web kunals@htnra$ ibmcloud cr image-list
Listing images...
NAME              TAG              IMAGE SIZE    NAMESPACE    CREATED    SIZE    SECURITY STATUS
registry.ng.bluemix.net/flask-node/app  latest          306 MB       flask-node    1 day ago    306 MB    3 Issues
kunals-nbp:web kunals@htnra$
```

## 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/flask-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

