


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

Date	08 November 2022
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Project Name	Inventory Managment System For Retailers

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
```

```
kunali-nbp:web kunali@hotru$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a985418b27c1: Pushed
b966a258728: Pushed
437e8db4a234: Pushed
ba3884c58644: Pushed
1989a2f3739: Layer already exists
7bac9a49c283: Layer already exists
1172bcd1177f: Layer already exists
8a94c3a6b64: Layer already exists
1fab779ab79: Layer already exists
fab63f991dd: Layer already exists
ce646f43b11: Layer already exists
713645668b35: Layer already exists
7b18514e99e: Layer already exists
latest: digest: sha256:5815254c21552b5a08168707b74dd763e97e88c99d9187afa2a0433b62ab size: 3061
kunali-nbp:web kunali@hotru$
```

```
kunali-nbp:web kunali@hotru$ ibmcloud cr image-list
Listing images...
IMAGE NAME                                TAG          IMAGE SIZE  NAME SPACE  CREATOR  SIZE  SECURITY STATUS
registry.ng.bluemix.net/flask-node/app    Local        372.8 MB    flask-node  1 day ago  306 MB  3 Issues
OK
kunali-nbp:web kunali@hotru$
```

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

