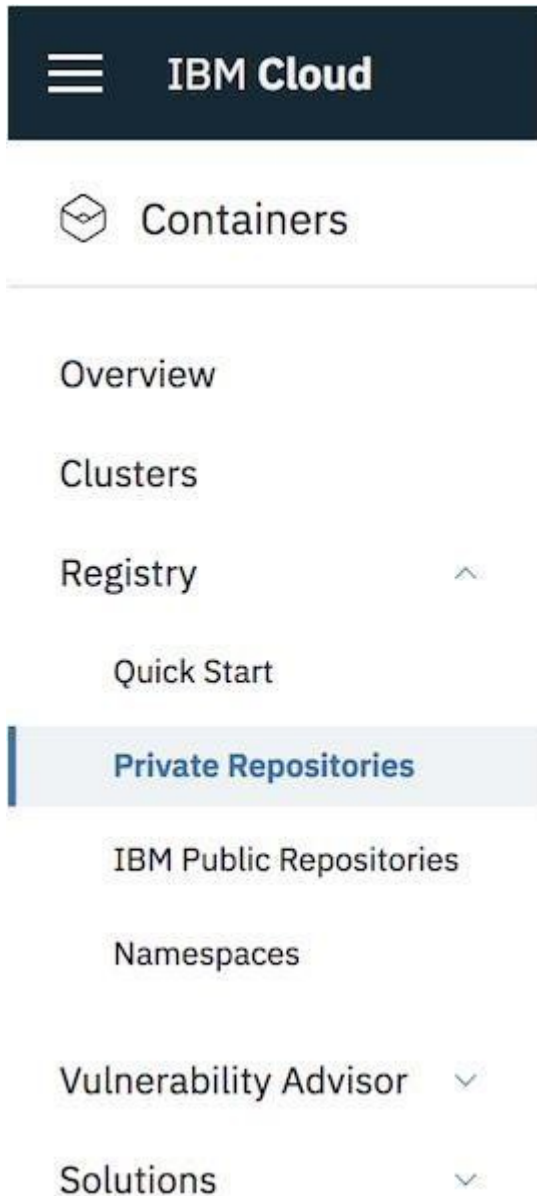


**Deployment of App in IBM Cloud**  
**Upload image to IBM Container Registry**

Date	08 November 2022
Team ID	PNT2022TMID13483
Project Name	Inventory Management System For Retailers

Push the image to the IBM Cloud Registry



## Code

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

```
ibmcloud login -a <cloud_foundary_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
```

```
kunzls-nbp:web kunzlsnbp@trn$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a805410b27c1: Pushed
f956a15b72d1: Pushed
437e8db4a23d: Pushed
ba1f84c50644: Pushed
10f8e2f1779: Layer already exists
7bac9e91c281: Layer already exists
1172bca1177f: Layer already exists
4a94c3d8a64: Layer already exists
17a8774b779: Layer already exists
7abc3f991c1d: Layer already exists
ce646f41b11: Layer already exists
71b643e69a71: Layer already exists
7b1051a699e: Layer already exists
latest: digest: sha256:5015254c2115b5a00166707b74d1d763e97a80c3b9187afa2a0413b7620a size: 3061
kunzls-nbp:web kunzlsnbp@trn$
```

```
kunzls-nbp:web kunzlsnbp@trn$ ibmcloud cr image list
Listing images...
NAME                                TAG          IMAGE ID          NAMESPACE          CREATED          SIZE          SECURITY STATUS
registry.ng.bluemix.net/flask-node/app latest       b77d4707f1d       flask-node           1 day ago       306 MB        2 Issues
OK
```

## 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**

