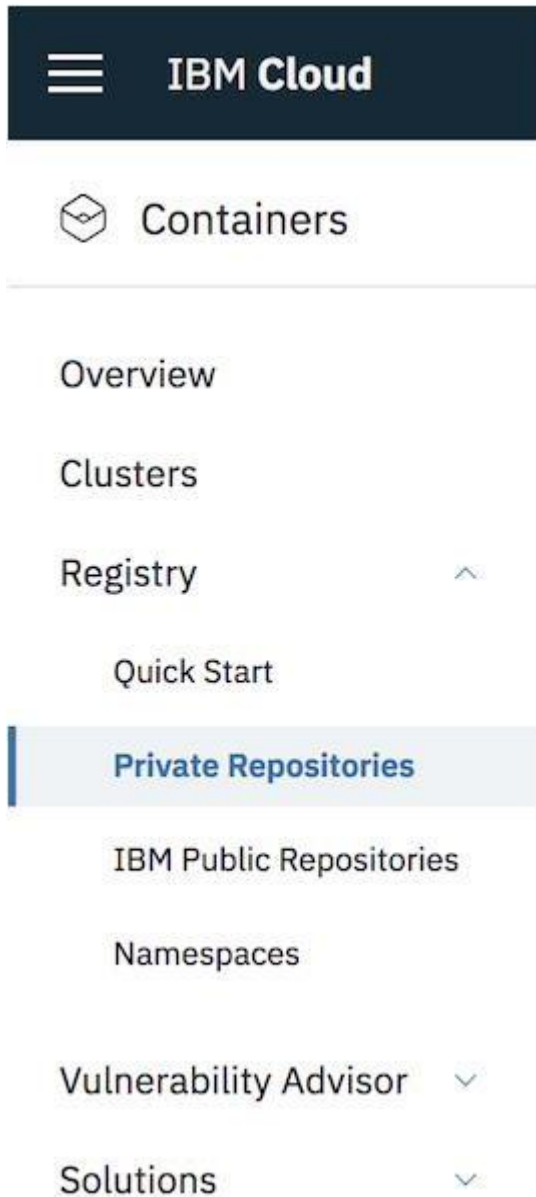


Deployment of App in IBM Cloud
Upload image to IBM Container Registry

Date	07 November 2022
Team ID	PNT2022TMID13508
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_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
```

```
ibmcli-nbp:web ibmcli@ibmcli$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a085418b27c1: Pushed
f950a15b0721: Pushed
437a8db4a234: Pushed
ba184c50644: Pushed
1089a2f3739: Layer already exists
3ba394b1283: Layer already exists
1172bca11771: Layer already exists
8ab4c3d8a64: Layer already exists
1fa8774b779: Layer already exists
fab3f991c1d: Layer already exists
ce6466f41b13: Layer already exists
71b643e89a5: Layer already exists
3b10514a99a: Layer already exists
latest: digest: sha256:5815254c211b2b5a801168792b74da1763e97a88039d9187afa2a0433b9a2ba size: 3061
ibmcli-nbp:web ibmcli@ibmcli$
```

```
ibmcli-nbp:web ibmcli@ibmcli$ ibmcloud cr image-list
Listing images...
NAME              REG.      IMAGE ID      NAME SPACE      CRATE D   SIZE   SIZE IN   STATUS
registry.ng.bluemix.net/flask-node/app  latest    b75a4705f2d    flask-node     1 day ago  306 MB   3 images
ibmcli-nbp:web ibmcli@ibmcli$
```

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

