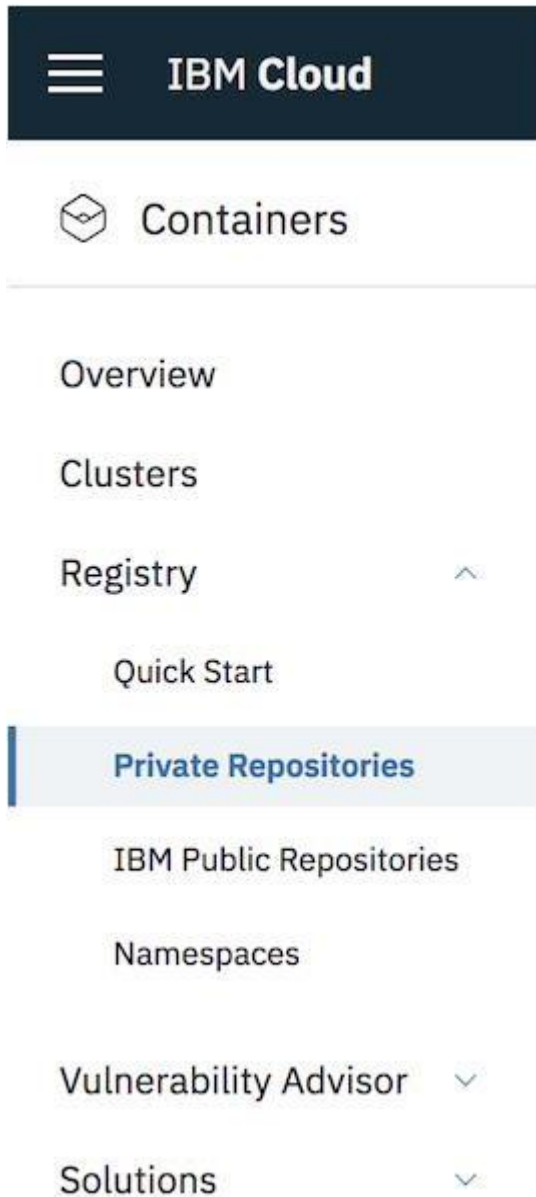


**Deployment of App in IBM Cloud**  
**Upload image to IBM Container Registry**

|              |   |
|--------------|---|
| Date         | 07 November 2022                          |
| Team ID      | PNT2022TMID26435                          |
| 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
```

```
lunpla-nbp:web lunpla@lunpla:~$ 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
437addb4a234: Pushed
ba184c50644: Pushed
1089a2f3739: Layer already exists
3ba394b1283: Layer already exists
1172bca11771: Layer already exists
8ab4c3d8a64: Layer already exists
1fa8774b779: Layer already exists
fab83f991c1d: Layer already exists
ce6466f41b13: Layer already exists
71b643689a35: Layer already exists
3b10514a99a: Layer already exists
latest: digest: sha256:5815254c21152b5a801168792b744da763e97e88039d9187afa2a0433b9a2ba size: 3061
lunpla-nbp:web lunpla@lunpla:~$
```

```
lunpla-nbp:web lunpla@lunpla:~$ ibmcloud cr image-list -r usg1-lb1
Listing images...
NAME              REG.      IMAGE ID      NAME SPACE      CREATED      SIZE      SIZE IN   STATUS
registry.ng.bluemix.net/flask-node/app  lb1-us1  b75a4705f2d   flask-node     1 day ago   306 MB   3 images
OK
lunpla-nbp:web lunpla@lunpla:~$
```

## 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

