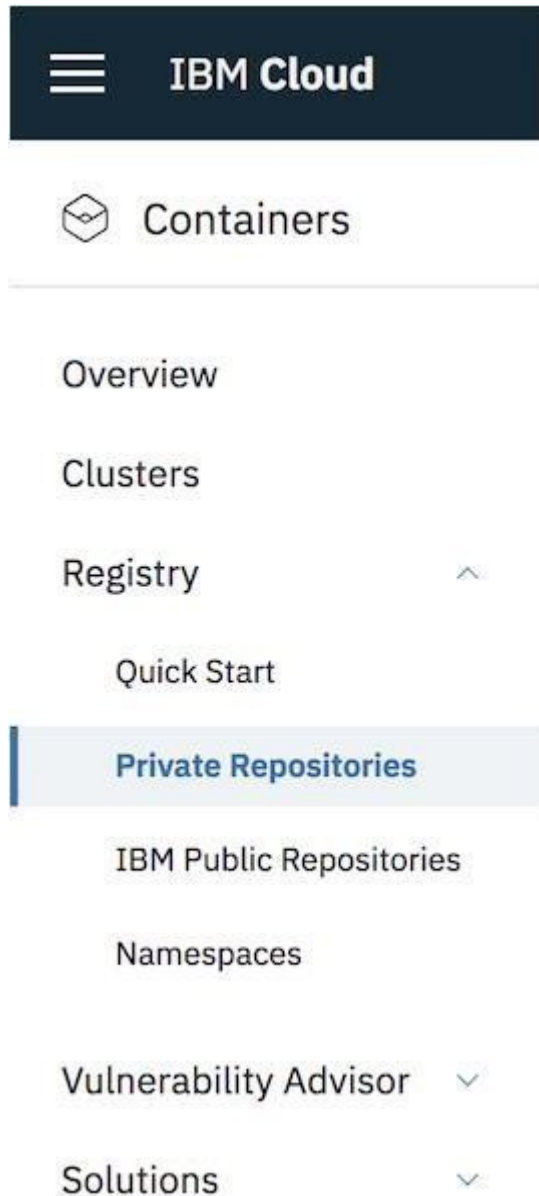


Deployment of App in IBM Cloud
Upload image to IBM Container Registry

Date	08 November 2022
Team ID	PNT2022TMID04526
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
f956ea15b721: Pushed
437e8db4a234: Pushed
ba1f84c50644: Pushed
10f8ea2f3729: Layer already exists
7ba39a91c283: Layer already exists
1172ba01177f: Layer already exists
4a94c3a8a654: Layer already exists
17a8774b779: Layer already exists
7a6c3f992c1d: Layer already exists
ce6460f41b13: Layer already exists
71b643a69a35: Layer already exists
7b1051a6990e: Layer already exists
latest: digest: sha256:5015254c2115b5a001168702b744d1763e97a80c3b01870fa2a0433b7a620a 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

