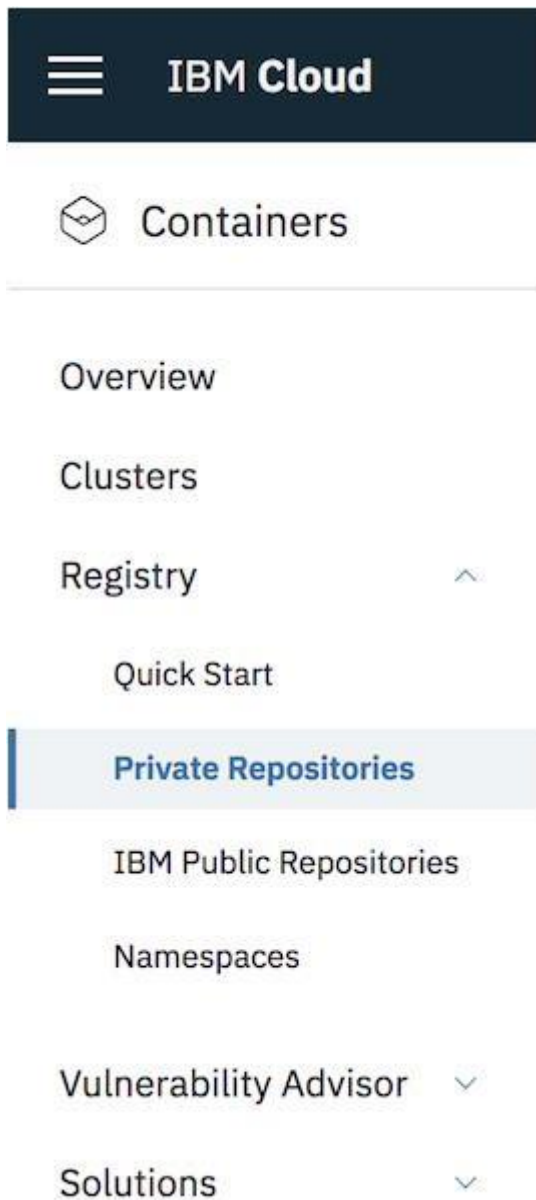


DEPLOYMENT OF APP IN IBM CLOUD

Upload image to IBM Container Registry

Date	17 th November 2022
Team ID	PNT2022TMID30805
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
```

```
kanola-nbp:web kanola@htruf$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a985418b27c1: Pushed
f956ad5b0721: Pushed
437addb4a234: Pushed
ba184c50644: Pushed
1089a2f3739: Layer already exists
0ba3e4b0283: Layer already exists
1177bca1177f: Layer already exists
8ab4c3d8b64: Layer already exists
1fa8774b779: Layer already exists
7ab63f992c1d: Layer already exists
ce6466f43b13: Layer already exists
71b643e89b35: Layer already exists
3b10514a990e: Layer already exists
latest: digest: sha256:5815254c21152b5a001168702b74da1763e97e8007bd91870fa2a0433b0a22a size: 3061
kanola-nbp:web kanola@htruf$
```

```
kanola-nbp:web kanola@htruf$ ibmcloud cr image list
Listing images...
NAME              TAG              IMAGE SIZE      CREATED          STATUS
registry.ng.bluemix.net/flask-node/app  latest          375a47051d      flask-node      1 day ago      306 MB      3 images
```

deployment.yaml

```
apiVersion: extensions/v1beta1
```

```
kind: Deployment
```

```
Metadata:
```

```
  name: flask-node-deployment
```

```
spec:
```

```
  replicas: 1
```

```
  selector: match
```

```
  Labels:
```

```
    app: flask nod
```

```
  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

