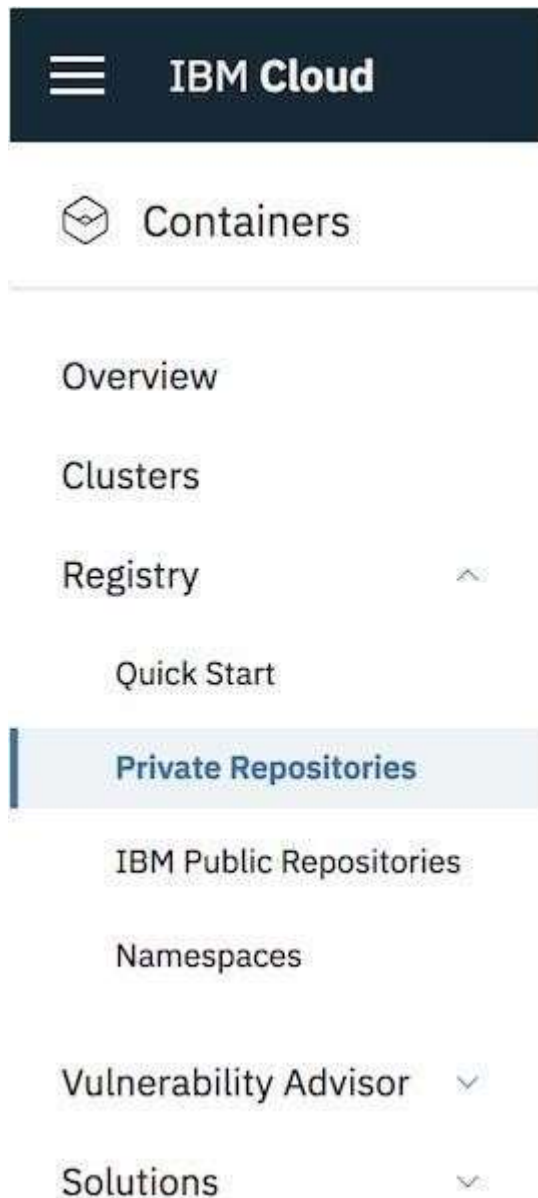


**Deployment of App in IBM Cloud**  
**Upload image to IBM Container Registry**

Date	16 November 2022
Team ID	PNT2022TMID11718
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
```

```
karolis@karolis-mac:~/src/ibmcloud$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a985410b27c5: Pushed
1956e09587f4: Pushed
c37e8db4a23a: Pushed
1a7f84c58654: Pushed
1a88eabf3739: Layer already exists
7bac5e9b1261: Layer already exists
1172bc11177f: Layer already exists
8a64c3a29a54: Layer already exists
17a8778a1b79: Layer already exists
7ab63f292c1d: Layer already exists
1a6040f43a13: Layer already exists
713a45c6b635: Layer already exists
303251a4990a: Layer already exists
latest: digest: sha256:303525472215b7b1a0a1d8702b7c4a1f93e07e00f9d3187a7a2a8413b9d60a size: 5061
karolis@karolis-mac:~/src/ibmcloud$
```

```
karolis@karolis-mac:~/src/ibmcloud$ ibmcloud cr image-list
Listing images...
NAMESPACE                                REGISTRY                                IMAGE SIZE    CREATED     SIZE    SECURITY STATUS
registry.ng.bluemix.net/flask-node/app    latest  a72a870f1d flask-node 1 day ago  206 MB  2 images
```

## 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/flas
```

```
k-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