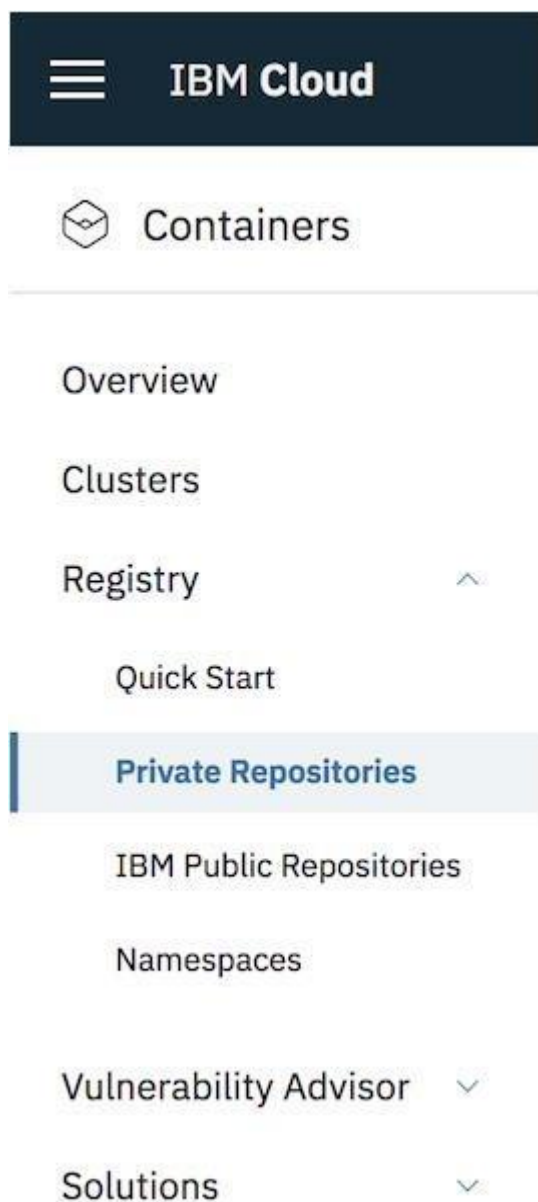


Deployment of App in IBM Cloud Upload image to IBM Container Registry

Date	13 November 2022
Team ID	PNT2022TMID50153
Project Name	Personal expense tracker application

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>ibmcloudcrn
```

```
amespace-add <namespace>
```

```
ibmcloudcrnnamespace-add <namespace>
```

```
dockertag<image_name><region_url>/<namespace>/<image_name>:<tag>
```

```
dockerpush<region_url>/<namespace>/<image_name>:<tag>
```

```
ibmcloudcrimage-list
```

```
kuncli-ship:web kuncli@htntrd$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
c095418b27c1: Pushed
f956a95b07d1: Pushed
437e8db6a234: Pushed
ba988450644: Pushed
1989a2f3739: Layer already exists
7bac9e4bc283: Layer already exists
1172bc01177f: Layer already exists
8a94c3d8a64: Layer already exists
1fa877a6b779: Layer already exists
9ab83f92c1ad: Layer already exists
1e946ff43b11: Layer already exists
713643688635: Layer already exists
7b1851a9595e: Layer already exists
latest: digest: sha256:5815254c21557b5a081568797b74d4d763e97e88077d91170fa2a80433b62ab size: 3061
kuncli-ship:web kuncli@htntrd$
```

```
kuncli-ship:web kuncli@htntrd$ kubectl get pods -o wide
Listing images...
NAME                                TAG                                IMAGE SIZE    CPU/MEMORY    STATUS    SECURITY STATUS
registry.ng.bluemix.net/flask-node/app    latest    07c1a070f1d8    flask-node    1 day ago    306 MB    2 images
```

deployment.yaml

```
apiVersion: extensions/v1beta1
```

```
kind: Deployment
```

```
metadata:
```

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

```
spec:
```

```
  replicas:
```

```
  selector:
```

```
    matchLabels:
```

```
      app:
```

```
  template:
```

```
    metadata:
```

```
      labels:
```

```
        app:
```

```
  spec:
```

containers:

-name:flasknode

image: registry.ng.bluemix.net/flask-

node/appimagePullPolicy:Always

ports:

-containerPort: 5000

service.yaml

piVersion:

v1kind:

Service

meta:

name: flask-node-

deploymentSpec:

ports:

- port:5000

targetPort:

5000selector:

app:flasknode

Deploy application to Kubernetes

