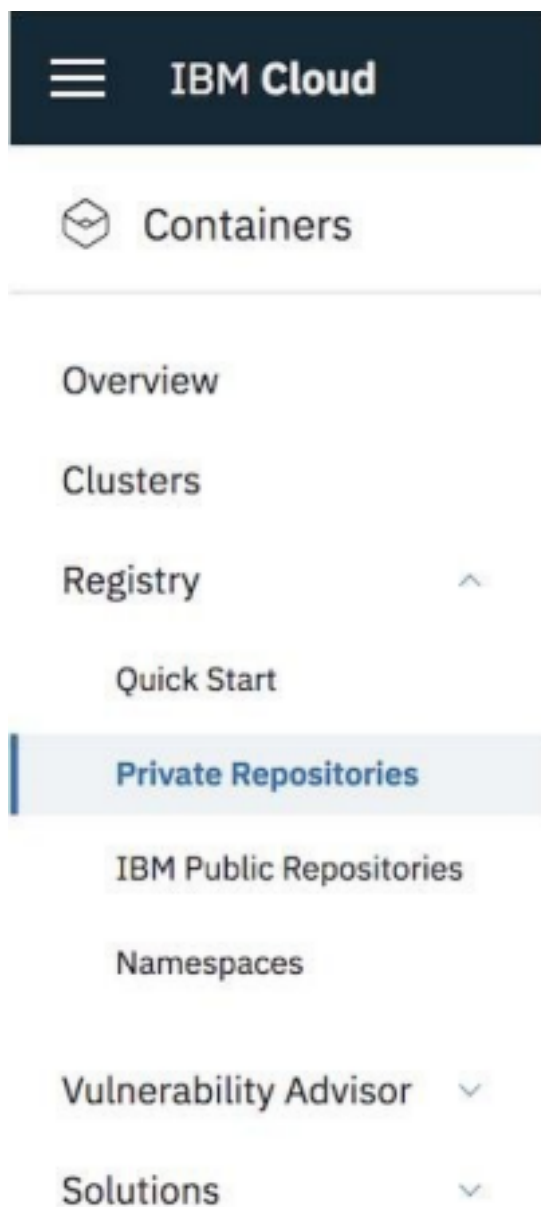


Deployment of App in IBM Cloud
Upload image to IBM Container Registry

| | |
|--------------|--------------------------------------|
| Date | 15 November 2022 |
| Team ID | PNT2022TMID34039 |
| 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>
```

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

```
kuriko@ibpweb: ~/kubernetes$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a080418b2701: Pushed
8b06ca318f70: Pushed
437dd84a2704: Pushed
8a088a518604: Pushed
1806ca318f70: Layer already exists
79a79a4b1801: Layer already exists
11778ca11577: Layer already exists
8a06c3a08a04: Layer already exists
17a8778a6779: Layer already exists
7a0b179010ad: Layer already exists
c4d4d8f43a1c: Layer already exists
770a49080001: Layer already exists
5b10514a970a: Layer already exists
latest: digest: sha256:70157b5c2157b5c049118781b744a2763a87a8655a91187a6c2a8443a6c2a8 size: 5881
kuriko@ibpweb: ~/kubernetes$
```

```
ibmcloud cr image-list --namespace flasknode --region us-south
Listing images...
NAME                                TAGS                                IMAGE SIZE    DIGESTS    STATUS
registry.ng.bluemix.net/flask-node/app  latest                             1.4kb app    244 MB    0 images    OK
kuriko@ibpweb: ~/kubernetes$
```

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

