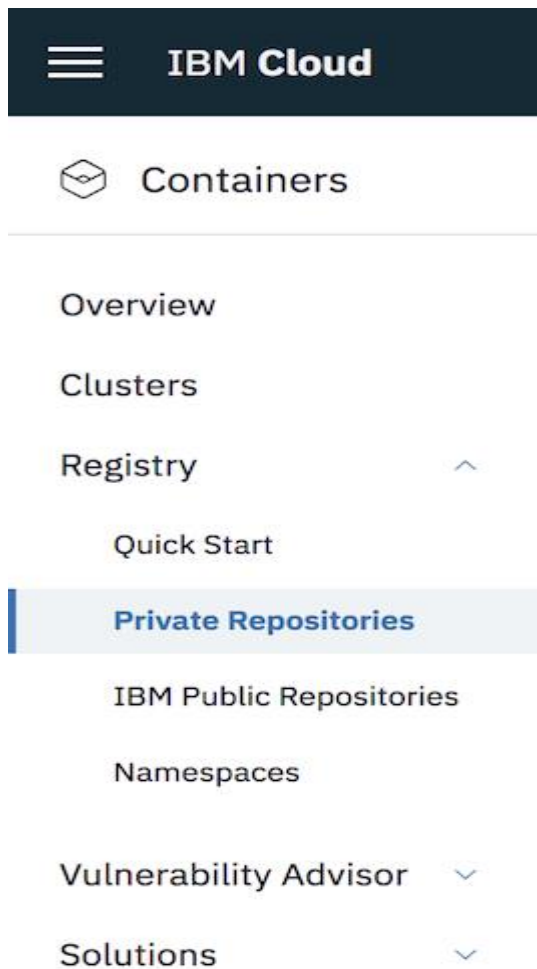# DEPLOYMENT OF APP IN IBM CLOUD

UPLOAD IMAGE TO IBM CONTAINER REGISTRY

Team ID	PNT2022TMID50559
Project Name	CONTAINMENT ZONE ALERTING APPLICATION
Team Members:	P.Amutha , A.Jannath Firthouse, M.Muthuselvi, K.Priya

1. From your account dashboard, go to IBM Cloud Kubernetes Service.
2. From the left navigation menu, select **Private Repositories**.

3. Install the Container Registry plug-in.

```
ibmcloud plugin install container-registry -r "IBM Cloud"
```

4. Log in to your IBM Cloud account.

```
ibmcloud login -a <cloud_foundary_end_point_for_the_region>
```

5. Name and create your namespace. Use this namespace for the rest of the Quick Start.

```
ibmcloud cr namespace-add <namespace>
```

6. Log your local Docker daemon into the IBM Cloud Container Registry.

```
ibmcloud cr login
```

7. Choose a repository and tag by which you can identify the image.

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

8. Push the image.

```
docker push <region_url>/<namespace>/<image_name>:<tag>
```

```
kunals-mbp:web kunalmalhotra$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a905410b27c1: Pushed
b96dea950728: Pushed
437e8db4a234: Pushed
ba9884d50644: Pushed
1989aa0f3739: Layer already exists
7bec9e49c283: Layer already exists
1172bcd1177f: Layer already exists
8eb4c3a69e64: Layer already exists
1fa8778eb779: Layer already exists
fa0c3f992cbd: Layer already exists
ce6466f43b11: Layer already exists
719d45669b35: Layer already exists
3b10514a95be: Layer already exists
latest: digest: sha256:5015254c21592b5ab08168707b74ddd763e97e80b59d9187afa2a80433b9d2ab size: 3061
kunals-mbp:web kunalmalhotra$
```

9. Verify that your image is in your private registry.

ibmcloud cr image-list

```
kunals-mbp:web kunalmalhotra$ ibmcloud cr image-list

Listing images...


REPOSITORY                           TAG     DIGEST         NAMESPACE   CREATED    SIZE    SECURITY STATUS

registry.ng.bluemix.net/flask-node/app  latest  b721dd768fe0   flask-node  1 day ago  366 MB  3 Issues


OK

kunals-mbp:web kunalmalhotra$
```