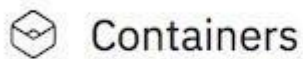


Deployment of App in IBM Cloud
Upload image to IBM Container Registry

Date	11 November 2022
Team ID	PNT2022TMID26431
Project Name	Personal tracker expense application

Push the image to the IBM Cloud Registry



Overview

Clusters

Registry

Quick Start

Private Repositories

IBM Public Repositories

Namespaces

Vulnerability Advisor

Solutions

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

```
kunali-nbp:web kunali@kunali:~$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a985418a27c1: Pushed
1956e998b714: Pushed
437e8db4e734: Pushed
ba8634c50644: Pushed
198baa8f3799: Layer already exists
ba8c9e9c283: Layer already exists
1172bcd1177f: Layer already exists
ba84c3e8ba64: Layer already exists
1fa877eb779: Layer already exists
fab83f992c8d: Layer already exists
ce6466f43b11: Layer already exists
713643689635: Layer already exists
latest: digest: sha256:5815c94c21587b5a00106792b74dd763e97e80c9bd9187afa2a8433bd62ab size: 3061
kunali-nbp:web kunali@kunali:~$
```

```
kunali-nbp:web kunali@kunali:~$ ibmcloud cr image-list
Listing images...
+-----+-----+-----+-----+-----+-----+-----+
| IMAGE NAME | TAG | REGISTRY | NAMESPACE | CREATED | SIZE | SECURITY STATUS |
+-----+-----+-----+-----+-----+-----+-----+
| registry.ng.bluemix.net/flask-node/app | latest | o7c2a87081a8 | flask-node | 1 day ago | 306 MB | 2 Images |
+-----+-----+-----+-----+-----+-----+-----+
0/
kunali-nbp:web kunali@kunali:~$
```

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

Deploy your application to Kubernetes

