


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

Date	11 November 2022
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Project Name	Plasma Donor Application

Push the image to the IBM Cloud Registry



 Containers

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>
```

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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@nbp:~$ 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
ba6c4c308ba64: Layer already exists
1172bcd1177f: Layer already exists
ba6c4c308ba64: Layer already exists
1fa8778eb779: Layer already exists
fab83f992c8d: Layer already exists
ce6466f43b11: Layer already exists
713643069635: Layer already exists
latest: digest: sha256:5815c94c21587b5a00106792b74dd763e97e80c9bd9187afa2a0433b9d2ab size: 3061
kunali-nbp:web kunali@nbp:~$
```

```
kunali-nbp:web kunali@nbp:~$ ibmcloud cr image-list
Listing images...
IMAGEID          TAG          IMAGE SIZE    NAMESPACE    CREATED      STOP    STORAGE    STATUS
registry.ng.bluemix.net/flask-node/app    latest      37244708128    flask-node   1 day ago   306 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

Deploy your application to Kubernetes

