


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

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| Date | 11 November 2022 |
| Team ID | PNT2022TMID05821 |
| Project Name | Plasma Donor ApplicationPersonal tracker expense 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_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

```
kinetic-deployer@kinetic-deployer:~$ docker push registry.ng.bluemix.net/flask-node/app:latest
The push refers to repository [registry.ng.bluemix.net/flask-node/app]
a805418b2705: Pushed
6f56ea758728: Pushed
437e8db4a23a: Pushed
ba3f84c5064c: Pushed
1998a2f73739: Layer already exists
70a3a9b2825: Layer already exists
1177b0c13777: Layer already exists
8a9d33a8b96a: Layer already exists
17a877a61779: Layer already exists
f9b3f991c3d1: Layer already exists
ca5a66f43d11: Layer already exists
715d4568b055: Layer already exists
70a9514a959a: Layer already exists
latest: digest: sha256:5015254221561b5a0a836a702674a1d763e97a8a0c9d01870fa5a4438a6d0a size: 5001
kinetic-deployer@kinetic-deployer:~$
```

```
kinetic-deployer@kinetic-deployer:~$ ibmcloud cr image list
Listing images...
+-----+-----+-----+-----+-----+-----+-----+-----+
| REPOSITORY | TAG | IMAGE ID | VM SIZE | CREATED | SIZE | OS/ARCH | STATUS |
+-----+-----+-----+-----+-----+-----+-----+-----+
| registry.ng.bluemix.net/flask-node/app | latest | 372a3c707018 | flask-node | 1 day ago | 265 MB | Linux/amd64 | OK |
+-----+-----+-----+-----+-----+-----+-----+-----+
kinetic-deployer@kinetic-deployer:~$
```

deployment.yaml

apiVersion: extensions/v1beta1

kind: Deployment

metadata: name: flask-nodedeployment

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-

nodeDeployment

spec: ports:

- port: 5000 targetPort: 5000

selector: app: flasknode

Deploy your application to Kubernetes

