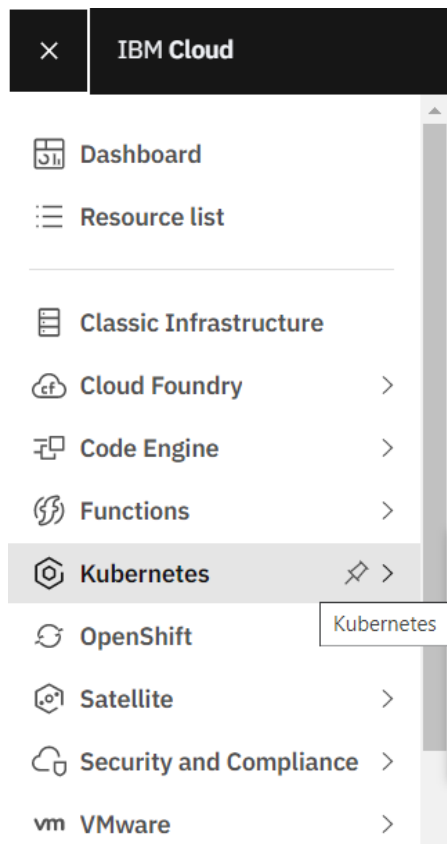


DEPLOYMENT OF APP IN IBM CLOUD UPLOAD IMAGE TO IBM CLOUD REGISTRY

Date	18 November 2022
Team ID	PNT2022TMID35589
Project Name	Containment Zone Alerting Application

STEP 1: From your account dashboard, go to IBM Cloud Kubernetes Service.



STEP 2: From the left navigation menu, select Private Repositories.



STEP 3: Install the Container Registry plug-in.

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

STEP 4: Log in to your IBM Cloud account.

```
ibmcloud login -a <cloud_foundary_end_point_for_the region>
```

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

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

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

```
ibmcloud cr login
```

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

```
docker tag g <image_name>
```

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

STEP 8: Push the image.

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

A terminal window with a black background and white text. The text shows the output of a Docker push command. It starts with 'The push refers to repository [registry.ng.bluemix.net/flask-node/app]'. Then, several layers are pushed, each with a unique ID and the word 'Pushed'. After that, several layers are listed with the message 'Layer already exists'. Finally, the 'latest' tag is pushed, showing its digest and size.

```
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
```

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

```
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