

DEPLOYMENT OF APP IN IBM CLOUD
Upload Image to IBM Container Registry

Date	16 November 2022
Team ID	PNT2022TMID20598
Project Name	Skill / Job Recommender-Cloud Application Development
Maximum Marks	4 Marks

Install, Set Up, and Log In

1. [Install the IBM Cloud CLI.](#)

2. [Install the Docker CLI.](#)

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 https://cloud.ibm.com`

If you have a federated ID, use `ibmcloud login --sso` to log in to the IBM Cloud CLI.

5. Ensure that you're targeting the correct IBM Cloud Container Registry region.

`ibmcloud cr region-set global`

6. Choose a name for your first namespace, and create that namespace. Use this namespace for the rest of the Quick Start.

`ibmcloud cr namespace-add <my_namespace>`

Push the image to your private registry

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

`ibmcloud cr login`

2. Pull a test image from Docker Hub.

`docker pull hello-world`

3. Choose a repository and tag by which you can identify the image. Use the same repository and tag for the rest of this Quick Start.

```
docker tag hello-world icr.io/<my_namespace>/<my_repository>:<my_tag>
```

4. Push the image.

```
docker push icr.io/<my_namespace>/<my_repository>:<my_tag>
```

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

```
ibmcloud cr image-list
```

The screenshot shows the Docker Desktop application interface. On the left, the 'Images' tab is selected. The main panel displays a list of images under the 'LOCAL' tab. The list includes images like 'testjob1', 'thatchainis/testjob1', 'docker/getting-started', and 'icr.io/jobtest/jobportalapp'. A terminal window is open in the foreground, showing the output of the command 'docker push thatchainis/testjob1'. The output indicates that the image is being pushed to the repository 'docker.io/thatchainis/testjob1' with the 'latest' tag. The terminal output shows the progress of the push, including the image ID and the size of the data being pushed.

NAME	IMAGE ID	TAG	STATUS	AGE	SIZE
testjob1	c12216f3ac24		Unused	1 minute ago	1.2 GB
thatchainis/testjob1	c12216f3ac24	latest	Unused	1 minute ago	1.2 GB
docker/getting-started	037021310e50	latest	Unused	about 4 hours ago	1.2 GB
thatchainis/docker/getting-started	037021310e50	latest	Unused	about 4 hours ago	1.2 GB
sandeepdoodigani/jobportalapp	c8641e59c3bd	latest	Unused	4 months ago	1.08 GB
icr.io/jobtest/jobportalapp	c8641e59c3bd	latest	Unused	4 months ago	1.08 GB
docker/getting-started	cb90f98fd791	<none>	In use (dangli)	7 months ago	28.78 MB



