

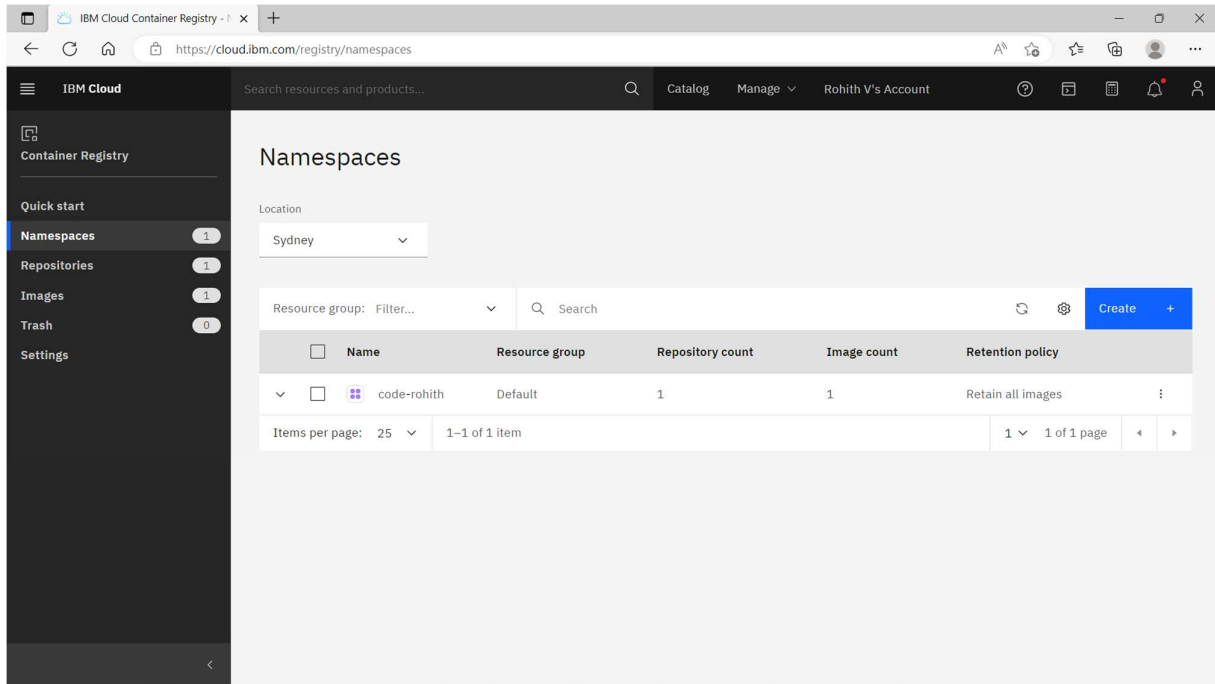
## ASSIGNMENT 4

Date	15.11.2022
Student Name	V.ROHITH
Student roll no	621319104045
Marks	2 marks

### **QUESTIONS:**

1. Pull an Image from docker hub and run it in docker playground.
2. Create a docker file for the jobportal application and deploy it in Docker desktop application.
3. Create a IBM container registry and deploy helloworld app or jobportalapp.
4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

## SCREENSHOTS:



```
Select C:\Windows\System32\cmd.exe
C:\>

Targeted account Rohith V's Account (680f8510a603485cb8ac9a1d77e7c54a)

API endpoint: https://cloud.ibm.com
Region: jp-tok
User: rohithviswa906@gmail.com
Account: Rohith V's Account (680f8510a603485cb8ac9a1d77e7c54a)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

D:\rohith>docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: rohith2468
Password:
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

D:\rohith>ibmcloud cr login
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

C:\>

D:\rohith>docker tag rohith au.icr.io/code-rohith/test1

D:\rohith>docker push au.icr.io/code-rohith/test1
Using default tag: latest
The push refers to repository [au.icr.io/code-rohith/test1]
9f4b41b01feb: Pushed
cb1c19555d87: Pushed
36741ec1186c: Pushed
ad0bcf297434: Pushed
aa4c808c19f6: Pushed
8ba9f698e8ba: Pushed
3a60759ef9f9: Pushed
1e18e7e1fcc2: Pushed
c3a0d593ed24: Pushed
26a504e63be4: Pushed
0bf42db08de72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
latest: digest: sha256:f3c00dfc7662026a2cdc06dcff3e17521a4a79414bdfdc3747933a35b2366f size: 3050

D:\rohith>
```

```
C:\Windows\System32\cmd.exe - docker run -p 5000:5000 rohiith
D:\rohith>docker run -p 5000:5000 rohiith
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active
* Debugger PIN: 362-445-121
```

