

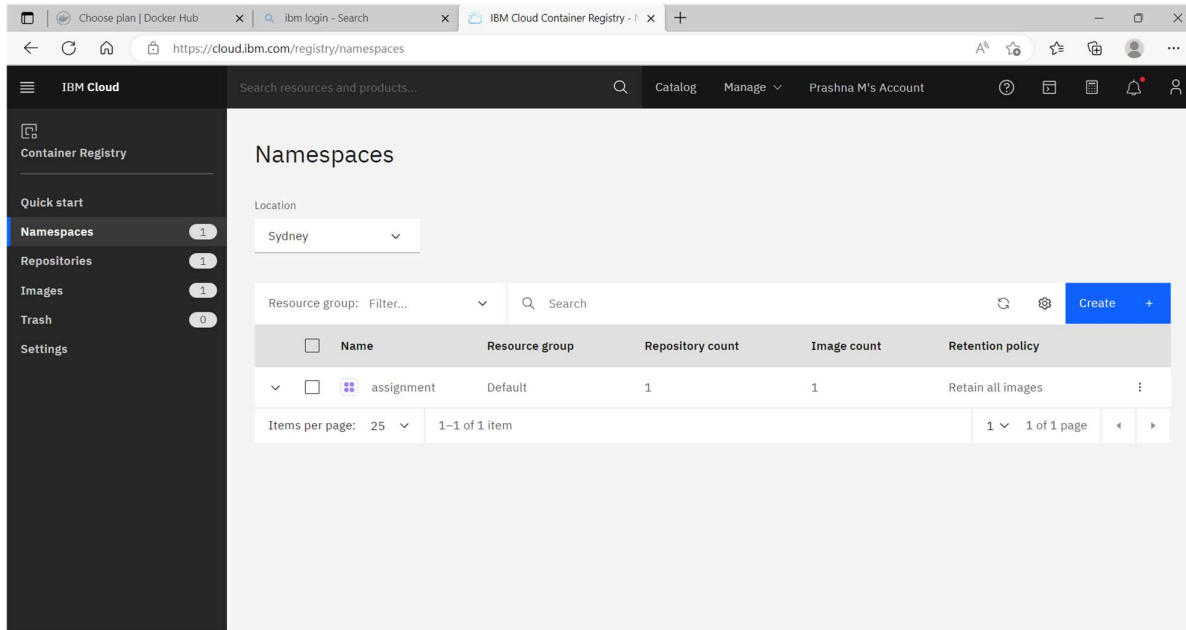
ASSIGNMENT 4

Date	12.11.2022
Student Name	M.PRASHNA
Student roll no	621319104041
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:



```
C:\Windows\System32\cmd.exe
Password:
Authenticating...
OK

Targeted account Prashna M's Account (f25bb523c4d54b61ac131304df47f2f7)

API endpoint: https://cloud.ibm.com
Region: jp-tok
User: prashnabe2019@gmail.com
Account: Prashna M's Account (f25bb523c4d54b61ac131304df47f2f7)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

D:\De11\projectwork>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: prashna41
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:\De11\projectwork>ibmcloud cr login
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

D:\De11\projectwork>docker tag projectwork au.icr.io/assignment/repo:test1

D:\De11\projectwork>docker push au.icr.io/assignment/repo:test1
The push refers to repository [au.icr.io/assignment/repo]
5fd4b41b01feb: Pushed
c3c159555db7: Pushed
36741ec1186c: Pushed
a080ef297434: Pushed
a0dc808c19f6: Pushed
8ba9f690e8ba: Pushed
3e607d59ef9f: Pushed
1a18e7c1fcc2: Pushed
33a05931ed04: Pushed
26a584e63be4: Pushed
8bf42db8de72: Pushed
31892cc146b: Pushed
11936051492b: Pushed
test1: digest: sha256:f3c00dfc76620266a2cdc06dcff3e17521a4a79414bdfd2c3747933a35b2366f size: 3050

D:\De11\projectwork>
```

```
C:\Windows\System32\cmd.exe - docker run -p 8080:8080 projectwork
D:\Dell\projectwork>docker run -p 8080:8080 projectwork
* 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: 114-452-402
```

