

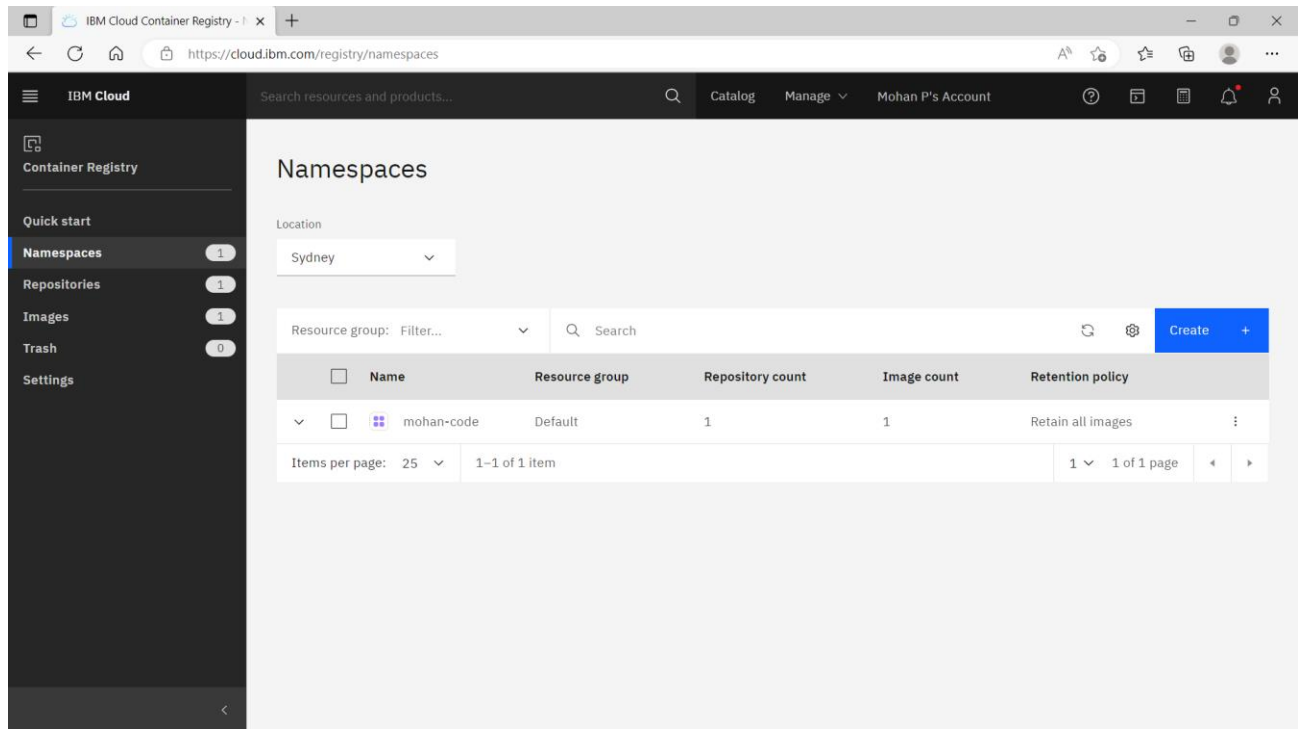
ASSIGNMENT 4

Date	12.11.2022
Student Name	P.Mohan
Student roll no	621319104031
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
Email> mohandinesh2000@gmail.com

Password>
Authenticating...
OK

Targeted account Mohan P's Account (1463b29aeba94d93b4abf515556f3c4e)

API endpoint: https://cloud.ibm.com
Region: jp-tok
User: mohandinesh2000@gmail.com
Account: Mohan P's Account (1463b29aeba94d93b4abf515556f3c4e)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

D:\user\mohan>docker login
Authenticating with existing credentials...
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:\user\mohan>ibmcloud cr login
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

OK

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

D:\user\mohan>docker push au.icr.io/mohan-code/test1
Using default tag: latest
The push refers to repository [au.icr.io/mohan-code/test1]
4e66e9fe8c80: Pushed
fb3315e3b7fd: Pushed
06669d2908b1: Pushed
a98bcf297434: Pushed
aa4c888c19f6: Pushed
8ba9f690e8ba: Pushed
3e607d59ef9f: Pushed
1e18e7efcc2: Pushed
c3a0d593ed24: Pushed
26a504e63be4: Pushed
8bf42db0de72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
latest: digest: sha256:a952045ce686975f6cc35341797f1c1aff7efb3c61cba90409d6b71a3cc0b09c size: 3050

D:\user\mohan>
```

```
C:\Windows\System32\cmd.exe - docker run -p 8080:8080 mohan
D:\user\mohan>docker run -p 8080:8080 mohan
* 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: 134-947-345
```

