

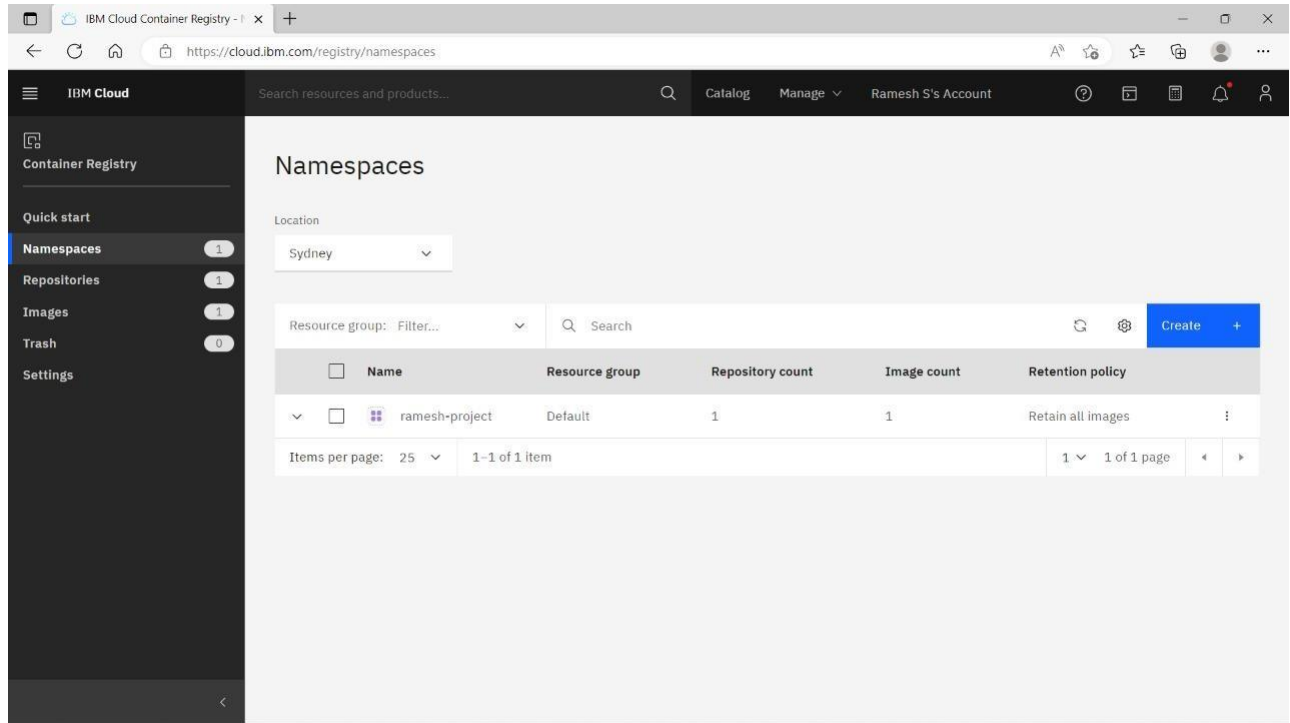
ASSIGNMENT 4

Date	16.11.2022
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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

D:\VHP\ramesh>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: ramesh43
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:\VHP\ramesh>ibmcloud cr login
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

OK

D:\VHP\ramesh>docker tag ramesh au.icr.io/ramesh-project/test1

D:\VHP\ramesh>docker push au.icr.io/ramesh-project/test1
Using default tag: latest
The push refers to repository [au.icr.io/ramesh-project/test1]
90aac896f5a5: Pushed
386e6e4e0f09: Pushed
1f1345fbfd61: Pushed
a08bcf297434: Pushed
aa4c808c19f6: Pushed
8ba9f690e8ba: Pushed
3e607d59ef9f: Pushed
1e18e7e1fcc2: Pushed
c3a0d593ed24: Pushed
26a594de83be4: Pushed
8bf42db0de72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
latest: digest: sha256:07cbfea787036cc1c3ca81b112a89dc7d4a517e0fc3bcd608c94ade83e644ae7 size: 3850

D:\VHP\ramesh>
```

```
C:\Windows\System32\cmd.exe - docker run -p 5000:5000 ramesh
D:\HP\ramesh>docker run -p 5000:5000 ramesh
* 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: 362-863-747
```

