

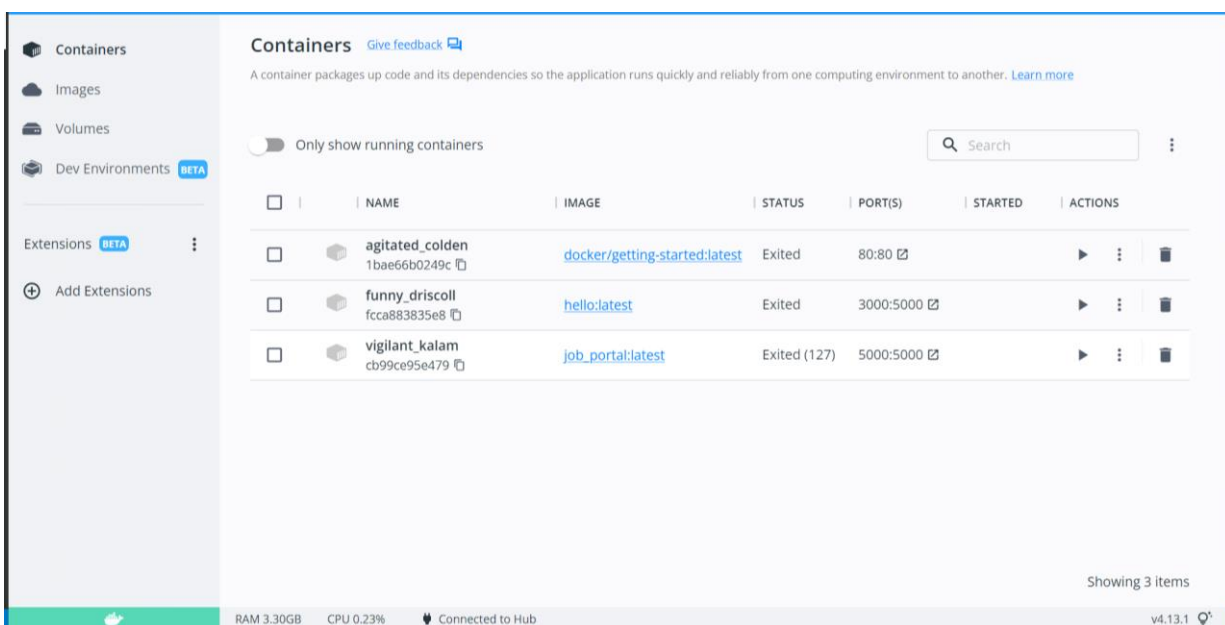
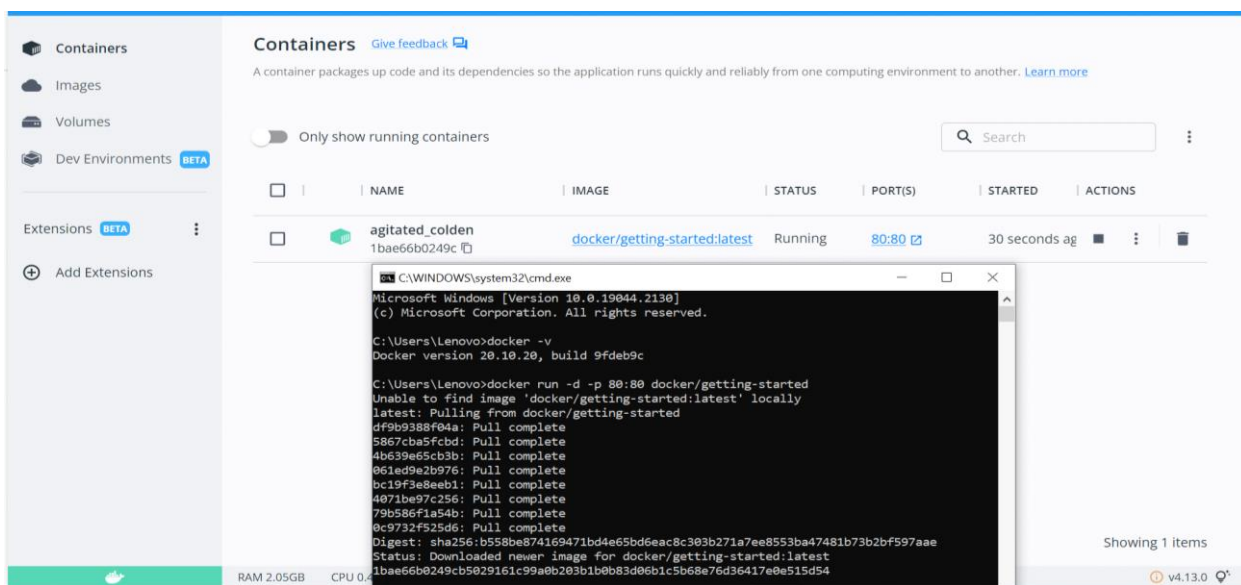
## Assignment -4

### IBM Cloud - Docker – Kubernetes

Assignment Date	19 September 2022
Student Name	D.Ganesh
Student Roll Number	212619205004
Maximum Marks	2 Marks

#### Question:

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



Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

Last refresh: 33 minutes ago3 images28.78 MB total size1.11 GB / 28.78 MB in useClean up

Images [Give feedback](#)

LOCALREMOTE REPOSITORIES

☐ In use only

NAME ↑		TAG	IMAGE ID	CREATED	SIZE
docker/getting-started	IN USE	latest	cb90f98fd791	7 months ago	28.78 MB
hello	IN USE	latest	08342bcd504	24 minutes ago	951.39 MB
job_portal	IN USE	latest	0e3805d0ca48	22 minutes ago	131.27 MB

RAM 3.30GBCPU 0.00%Connected to Hubv4.13.1

Kubernetes

Clusters

Reservations

Helm catalog

Container Registry

Kubernetes clusters

Resource group: Filter...Location: Filter...SearchCreate cluster +

Name	State	Location	Worker count	Created	Version	Infrastructure
mycluster-free	<span>Normal</span>	Amsterdam 03	1	Expires in 16 days	1.24.7_1542	Classic

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