



Assignment – 4

Student Name	Vignesh V
Student Roll Number	113119UG07112
Team ID	PNT2022TMID22530

1. Pull an Image from docker hub and run it in docker playground.

03:58:46


CLOSE SESSION

Instances  


+ ADD NEW INSTANCE


192.168.0.18
node1

cdr3hmn9_cdr3hte0qau0009ee0i0

IP
192.168.0.18  OPEN PORT

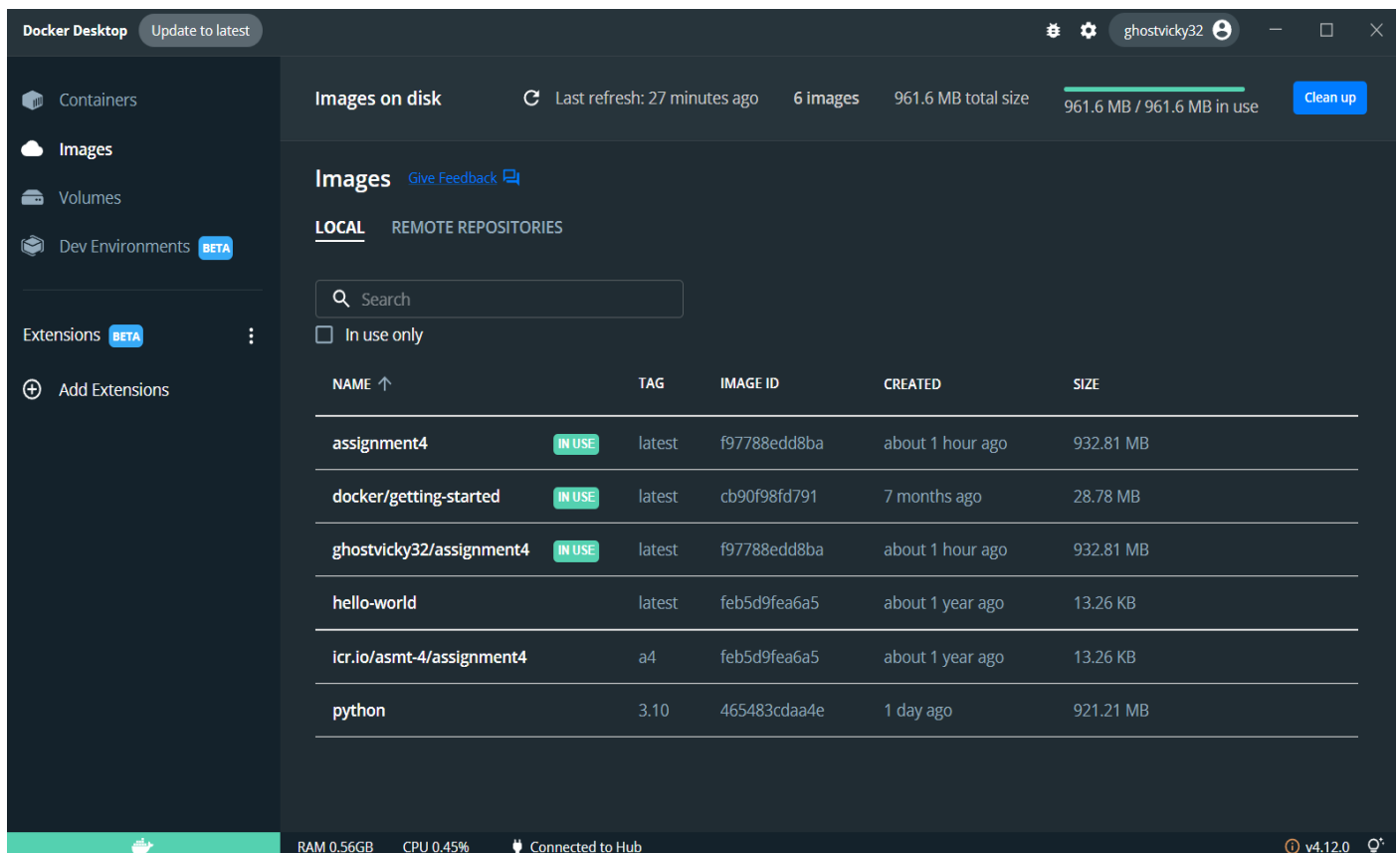
Memory CPU

SSH
ssh ip172-18-0-124-cdr3hmn91rrg00acefm0@direct.labs.pl: 

DELETE  EDITOR

```
#####
# WARNING!!!!
# This is a sandbox environment. Using personal credentials
# is HIGHLY! discouraged. Any consequences of doing so are
# completely the user's responsibilities.
#
# The FWD team.
#####
[node1] (local) root@192.168.0.18 ~
$ docker pull ghostvicky32/assignment4
Using default tag: latest
latest: Pulling from ghostvicky32/assignment4
a8ca11554fce: Extracting [=====>] 11.14MB/55.04MB
e4e46864aba2: Download complete
c85a0be79bfb: Download complete
195ea6a58ca8: Download complete
157f16ed0a0c: Downloading [=====>] 196.9MB/196.9MB
884b144bec28: Download complete
b7c6blad3022: Download complete
c5ae41250acf: Download complete
d1ffbf0a02364: Download complete
50478fde85b2: Download complete
975ff72b66fc: Download complete
```

2. Create a docker file for the job portal application and deploy it in Docker desktop application.



The screenshot shows the Docker Desktop application interface. The left sidebar contains navigation options: Containers, Images, Volumes, Dev Environments (with a BETA badge), Extensions (with a BETA badge), and Add Extensions. The main panel is titled 'Images on disk' and shows a list of Docker images. The list includes columns for NAME, TAG, IMAGE ID, CREATED, and SIZE. The first three images are marked as 'IN USE'.

NAME	TAG	IMAGE ID	CREATED	SIZE
assignment4	latest	f97788edd8ba	about 1 hour ago	932.81 MB
docker/getting-started	latest	cb90f98fd791	7 months ago	28.78 MB
ghostvicky32/assignment4	latest	f97788edd8ba	about 1 hour ago	932.81 MB
hello-world	latest	feb5d9fea6a5	about 1 year ago	13.26 KB
icr.io/asmt-4/assignment4	a4	feb5d9fea6a5	about 1 year ago	13.26 KB
python	3.10	465483cdaa4e	1 day ago	921.21 MB

The bottom status bar shows system information: RAM 0.56GB, CPU 0.45%, Connected to Hub, and version v4.12.0.

3. Create a IBM container registry and deploy helloworld app or jobportal app.

IBM Cloud

Container Registry

Quick start

Namespaces1

Repositories1

Images1

Trash0

Settings

Search resources and products...

CatalogManageVignesh V's Account

Namespaces

LocationGlobal

Resource group: Filter...SearchCreate +

	Name	Resource group	Repository count	Image count	Retention policy	
▼	asmt-4	Default	1	1	Retain all images	⋮

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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.

IBM Cloud

Kubernetes

Clusters

Reservations

Helm catalog

Container Registry

Search resources and products...

CatalogManageVignesh V's Account

Kubernetes clusters

Resource group: Filter...Location: Filter...Search

Create cluster +

Name	State	Location	Worker count	Created	Version	Infrastructure
mycluster-free	Normal	Milan 01	1	Expires in 29 days	1.24.7_1542	Classic

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