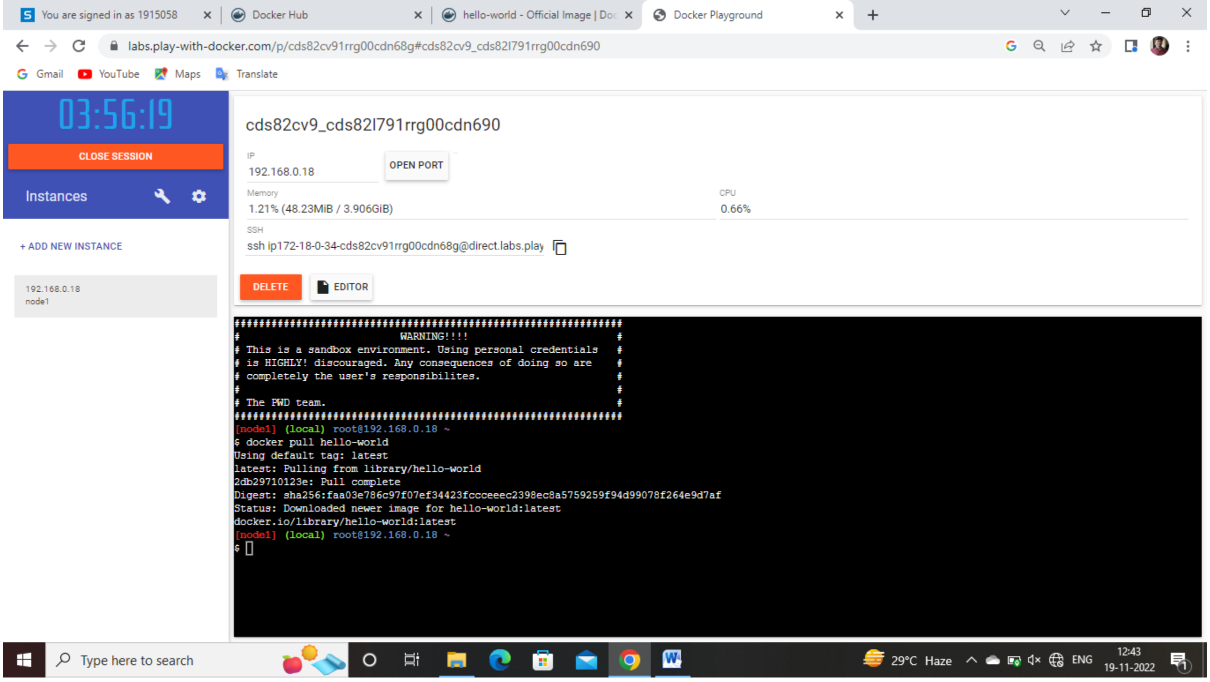
Team ID : PNT2022TMID20692

Project Name : News Tracker Application

Name : VIGNESH A

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

docker pull hello-world



labs.play-with-docker.com/p/cds82cv91rrg00cdn68g#cds82cv9_cds82l791rrg00cdn690

cds82cv9_cds82l791rrg00cdn690

IP: 192.168.0.18

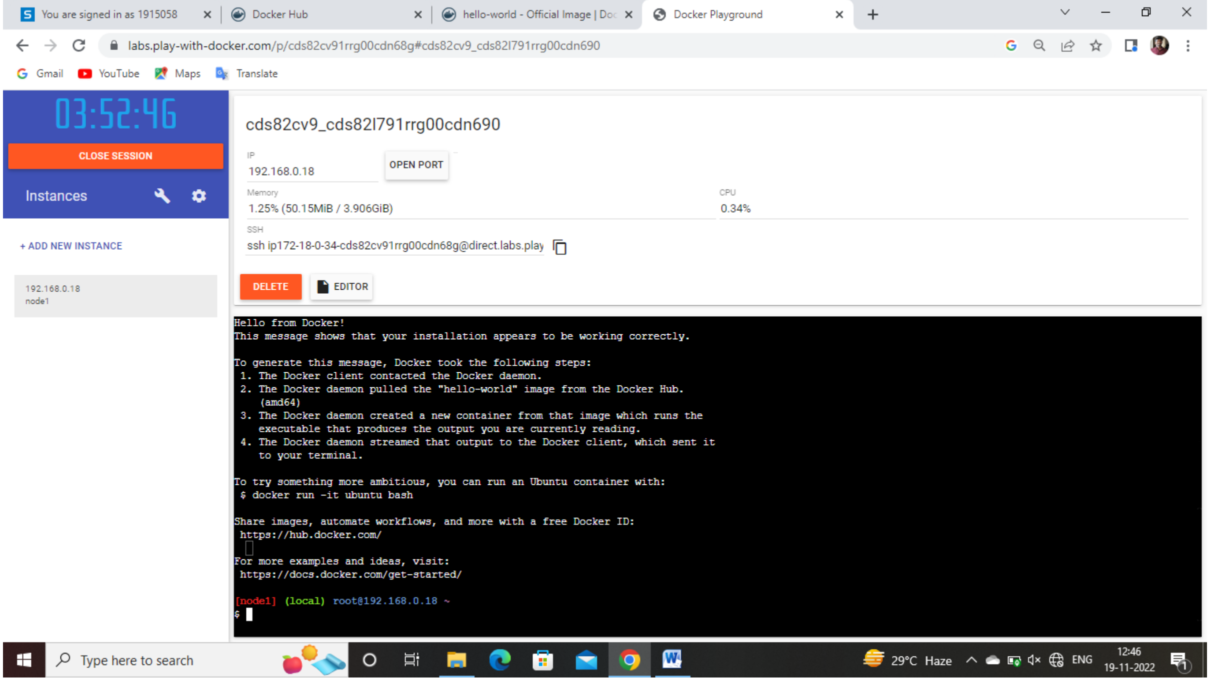
Memory: 1.21% (48.23MiB / 3.906GiB)

CPU: 0.66%

SSH: ssh ip172-18-0-34-cds82cv91rrg00cdn68g@direct.labs.play

192.168.0.18
node1

```
###############################################################
#                          WARNING!!!!                        #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilites.                      #
#                                                             #
# The PWD team.                                               #
###############################################################
[node1] (local) root@192.168.0.18 ~
$ docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:faa03e786c97f07ef34423fccceeec2398ec8a5759259f94d99078f264e9d7af
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
[node1] (local) root@192.168.0.18 ~
$ 
```



labs.play-with-docker.com/p/cds82cv91rrg00cdn68g#cds82cv9_cds82l791rrg00cdn690

cds82cv9_cds82l791rrg00cdn690

IP: 192.168.0.18

Memory: 1.25% (50.15MiB / 3.906GiB)

CPU: 0.34%

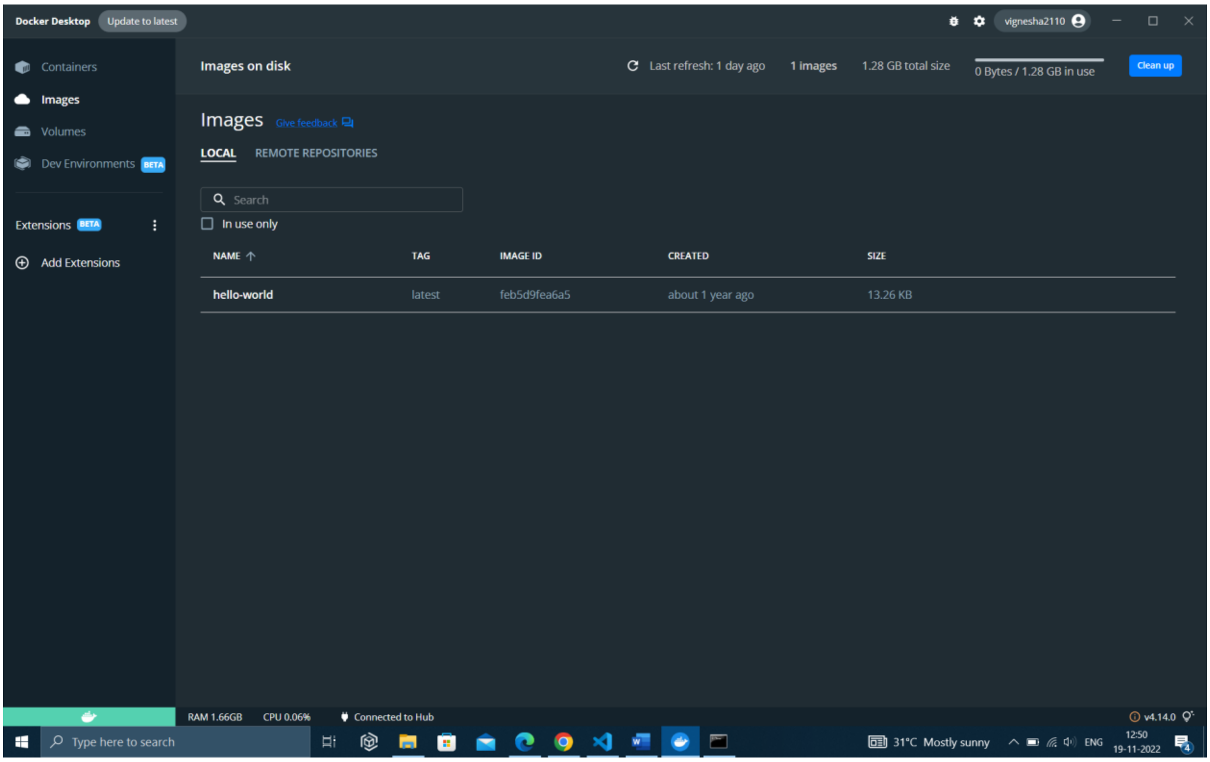
SSH: ssh ip172-18-0-34-cds82cv91rrg00cdn68g@direct.labs.play

192.168.0.18
node1

```
Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/get-started/

[node1] (local) root@192.168.0.18 ~
$ 
```

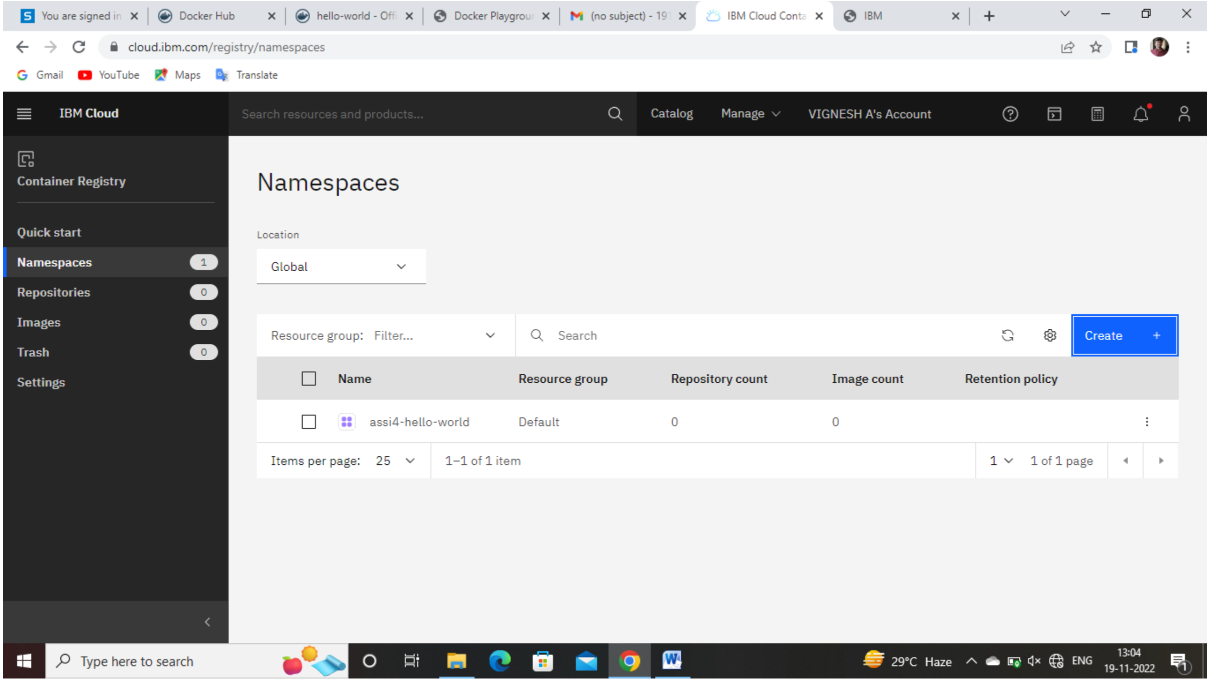
2.Create a docker file for the jobportal application and deploy it in Docker desktop application.

```
FROM python:3.10
WORKDIR /app
ADD . /app
COPY requirements.txt /app
RUN python -m pip install -r requirements.txt
RUN python -m pip install ibm_db
EXPOSE 5001
ENTRYPOINT [ "python" ]
CMD [ "app.py" ]
```



NAME ↑	TAG	IMAGE ID	CREATED	SIZE
hello-world	latest	feb5d9fea6a5	about 1 year ago	13.26 KB

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



Namespaces

Location: Global

Resource group: Filter...

Name	Resource group	Repository count	Image count	Retention policy
assi4-hello-world	Default	0	0	

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