

1.

labs.play-with-docker.com/p/ce097r791rrg009hnt80#ce097r79_ce098hu0qau000bmucldg

03:57:20

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.28
node1

192.168.0.27
node2

ce097r79_ce098hu0qau000bmucldg

IP: 192.168.0.27 OPEN PORT

Memory: 7.17% (286.7MiB / 3.906GiB) CPU: 56.52%

SSH: ssh ip172-18-0-82-ce097r791rrg009hnt80@direct.labs.play- [copy]

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.
#####
[node2] (local) root@192.168.0.27 ~
$ docker run -d dockersamples/static-site
Unable to find image 'dockersamples/static-site:latest' locally
latest: Pulling from dockersamples/static-site
fdd5c7827e33: Pull complete
33e495cae802: Pull complete
716f7a5f3082: Pull complete
7b10f03a0309: Pull complete
aff3ab7e9c39: Pull complete
Digest: sha256:daa686c61d7d239b7977e72157997489db49f316b9b9af3909d9f10fd28b2dec
Status: Downloaded newer image for dockersamples/static-site:latest
184ed5cd2be8a037838a6d7751fc6bfe28d2f17b3df70e9f59c6cf34f9fae9c0
[node2] (local) root@192.168.0.27 ~
$
```

03:59:21

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.18
node1

ce0skdv9_ce0skgn91rrg0087tkkg

IP: 192.168.0.18 OPEN PORT

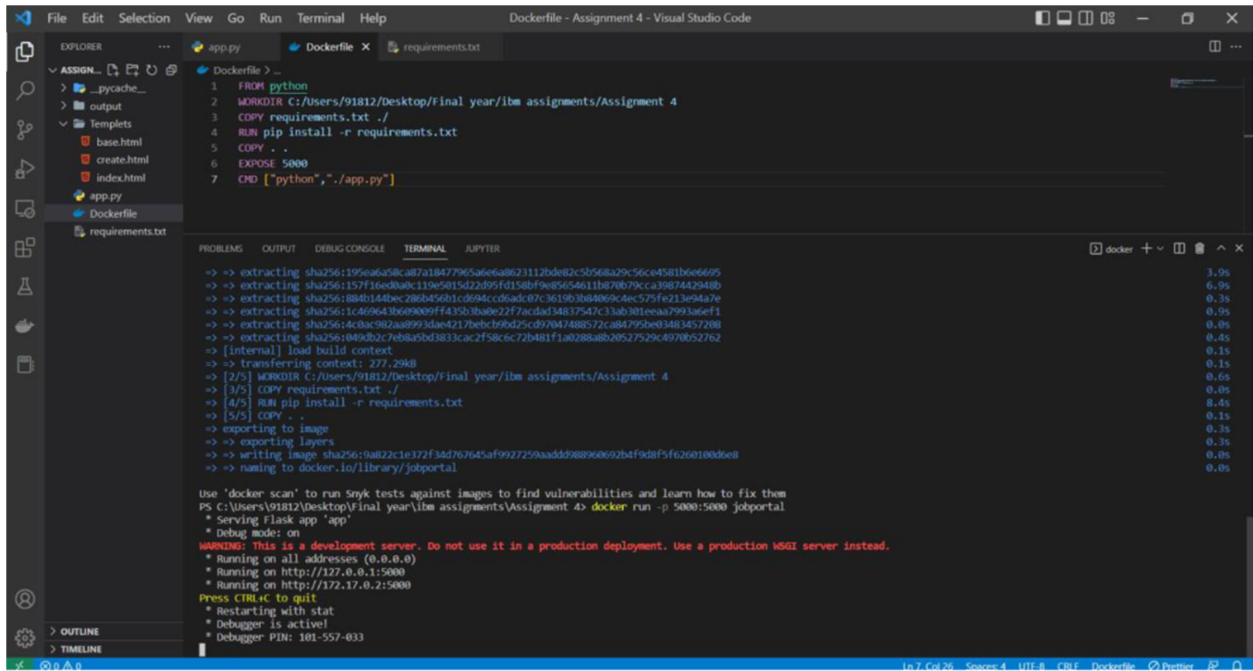
Memory: 1.10% (44.04MiB / 3.906GiB) CPU: 0.76%

SSH: ssh ip172-18-0-38-ce0skdv91rrg0087tkk0@direct.labs.play- [copy]

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 hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:faa03e786c97f07ef34423fccceec2398ec8a5759259f94d99078f264e9d7af
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
[node1] (local) root@192.168.0.18 ~
$
```

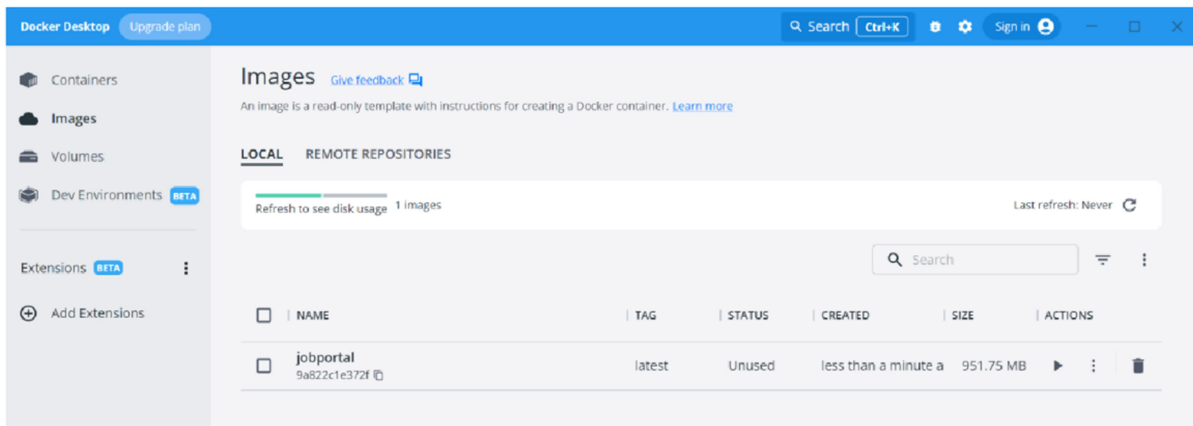
2.



The screenshot shows the Visual Studio Code interface with a Dockerfile open in the editor. The Dockerfile contains the following instructions:

```
1 FROM python
2 WORKDIR C:/Users/91812/Desktop/Final year/ibm assignments/Assignment 4
3 COPY requirements.txt ./
4 RUN pip install -r requirements.txt
5 COPY . .
6 EXPOSE 5000
7 CMD ["python", "-.", "app.py"]
```

The terminal output shows the execution of these instructions, including the extraction of layers, building the image, and running the container. The output also includes a warning about the development server and instructions to press Ctrl+C to quit.



JOB PORTAL APPLICATION FORM

First name:

Indhuja

Last name:

T J

Age:

20

Experience

0

Submit

JOB PROFILE

FIRST NAME:

Indhuja

LAST NAME:

T J

AGE:

20

EXPERIENCE:

0

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

API endpoint: https://cloud.ibm.com
Region: eu-gb
User: 2019506115@smartinternz.com
Account: Vineetha R S's Account (3ec6588f55b348988636282ff00884a9)
Resource group: No resource group targeted, use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:
PS C:\Users\91812\Documents\kubernetes> ibmcloud cr region-set global
The region is set to 'global', the registry is 'icr.io'.

OK
PS C:\Users\91812\Documents\kubernetes> ibmcloud cr namespace-add vineetha
No resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.

Adding namespace 'vineetha' in resource group 'Default' for account Vineetha R S's Account in registry icr.io...

Successfully added namespace 'vineetha'

OK
PS C:\Users\91812\Documents\kubernetes> ibmcloud cr login
Logging 'docker' in to 'icr.io'...
Logged in to 'icr.io'.

OK
PS C:\Users\91812\Documents\kubernetes> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:faa03e786c97f07ef34423fccceec2398ec8a5759259f94d99078f264e9d7af
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
PS C:\Users\91812\Documents\kubernetes> docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
jobportal latest 474b753146a0 About an hour ago 952MB
hello-world latest feb5d9fea6a5 14 months ago 13.3kB
PS C:\Users\91812\Documents\kubernetes> docker tag hello-world icr.io/vineethars/assignment4:v1
PS C:\Users\91812\Documents\kubernetes> docker push icr.io/vineethars/assignment4:v1
The push refers to repository [icr.io/vineethars/assignment4]
e07ee1baac5f: Pushed
v1: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
PS C:\Users\91812\Documents\kubernetes> 
```

<input type="checkbox"/>	NAME	TAG	STATUS	CREATED	SIZE	ACTIONS
<input type="checkbox"/>	jobportal 474b753146a0	latest	In use	about 1 hour ago	952.02 MB	
<input type="checkbox"/>	hello-world feb5d9fea6a5	latest	Unused	about 1 year ago	13.26 KB	

4.

```
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: vineethars16
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/
PS C:\Users\91812\Desktop\Final year\ibm assignments\Assignment 4> docker tag jobportal vineethars16/helloworld:latest
PS C:\Users\91812\Desktop\Final year\ibm assignments\Assignment 4> docker commit inspiring_kepler vineethars16/helloworld:latest
sha256:3b2ab88cc96dc2981503231a7b18089f3e19965d142c9dcb39c6af7b6c210d3c
PS C:\Users\91812\Desktop\Final year\ibm assignments\Assignment 4> docker push vineethars16/helloworld:latest
The push refers to repository [docker.io/vineethars16/helloworld]
78d24f8ad08c: Pushed
c6a690b92a0b: Pushed
3f2036fa55ce: Pushed
473fefb0f548: Pushed
6df47eebc771: Pushed
345c9e42b0e4: Pushed
24bf8dd8c4a6: Mounted from library/python
18bbb218c890: Mounted from library/python
e6e9854ca999: Pushed
397a239a053b: Pushed
89c3244a87b2: Pushed
80231db1194c: Pushed
f1c1f2298584: Mounted from library/python
ccba29d69370: Mounted from library/python
latest: digest: sha256:c0e561d777bab5e1b61c013bf9e15cacc61455933249d9d3c19f4da53fa76871 size: 3262
PS C:\Users\91812\Desktop\Final year\ibm assignments\Assignment 4> |
```