Assignment – 4

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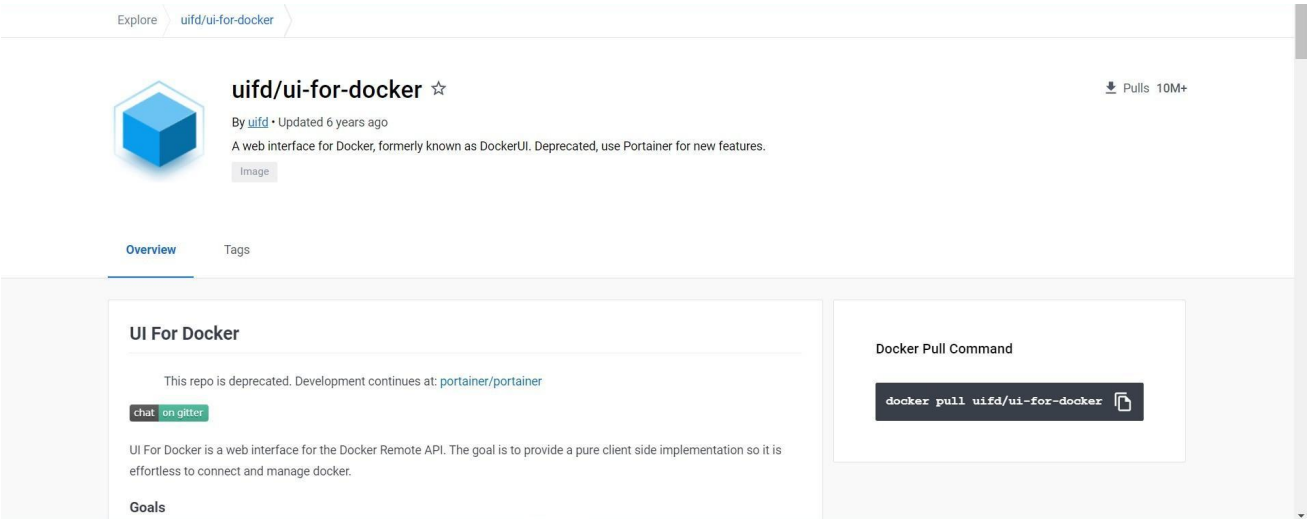
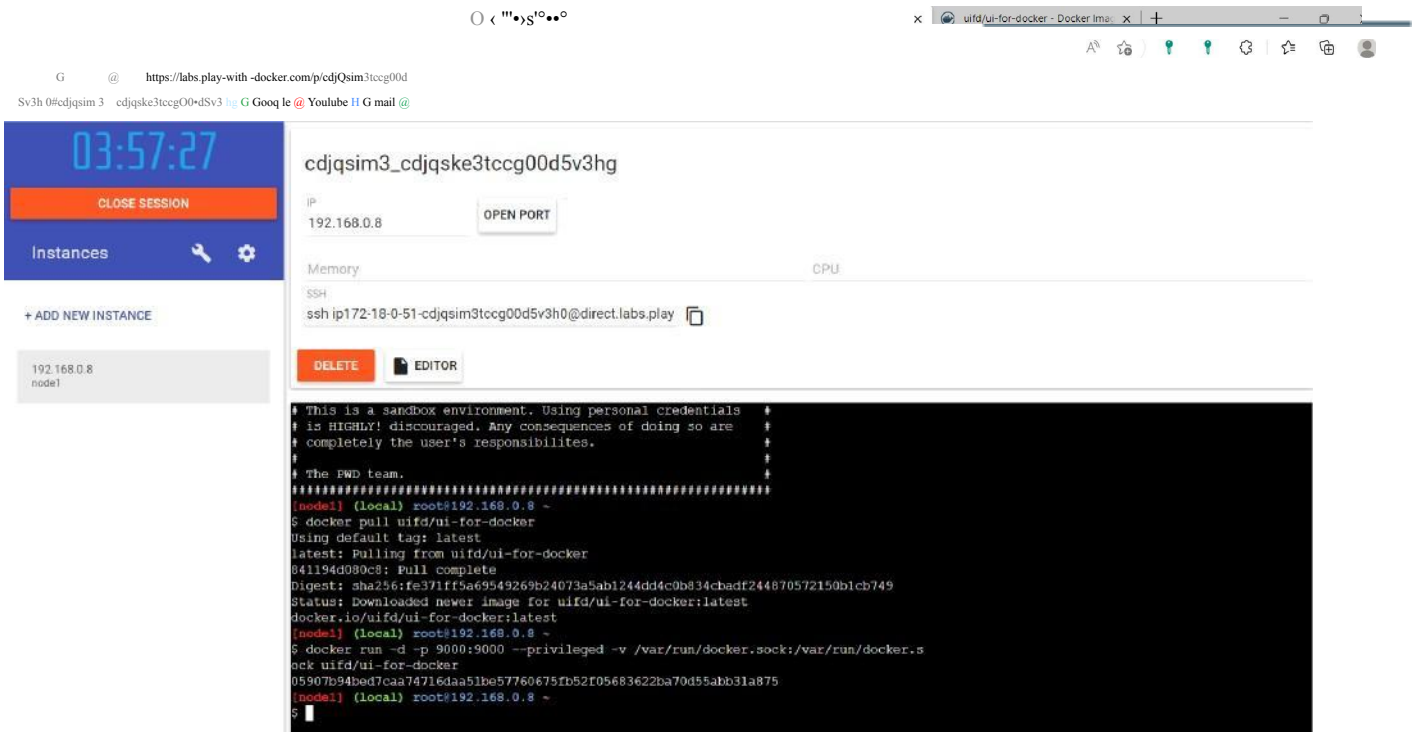
Aim:

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 jobportal app
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

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




03:57:27
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.8
node1
cdjqsim3_cdjqske3tccg00d5v3hg
IP
192.168.0.8
OPEN PORT
Memory
CPU
SSH
ssh ip172-18-0-51-cdjqsim3tccg00d5v3h0@direct.labs.play
DELETE
EDITOR
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@192.168.0.8 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf24487057215 0b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[node1] (local) root@192.168.0.8 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.s
ock uifd/ui-for-docker
05907b94bed7caa74716daa51be57760675fb52f05683622ba70d55abb31a875
[node1] (local) root@192.168.0.8 ~
$


Google
YouTube
Gmail
Maps
SSN
LMS3
fccg00d5v3h0-9000.direct.labs.play—with-docker.co m/#/
Status
Running Containers
Containers created
Images created

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

FROM
helloworld:latest
WORKDIR
~/Desktop/ ADD .
helloworld/
WORKDIR~/Desktop/sreyht
ml RUN pip install -r
requirements RUN chmod
+x app.sh
CMD ["/bin/sh","app.sh"]

3. Create a IBM container registry and deploy job portal app

```
PS C:\WINDOWS\system32> docker tag hello-world icr.io/26031ns/hello-world
PS C:\WINDOWS\system32> docker push icr.io/26031ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/26031ns/hello-world]
e07ee1baac5f: Mounted from 09876ns/hello-world
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
```

4. Create a Kubernetes cluster in IBM cloud and deploy jobportal image and also expose the same app to run in nodeport