

UNIVERSITY OF PETROLEUM & ENERGY STUDIES Dehradun

APPLICATION CONTAINERIZATION

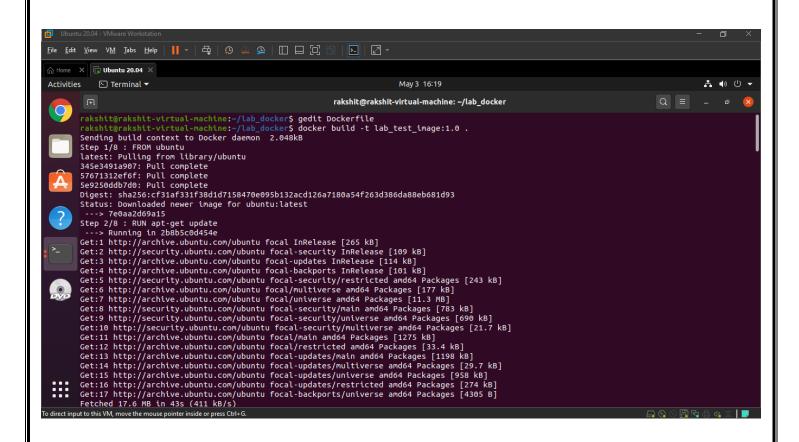
Name: Rakshit Kapoor

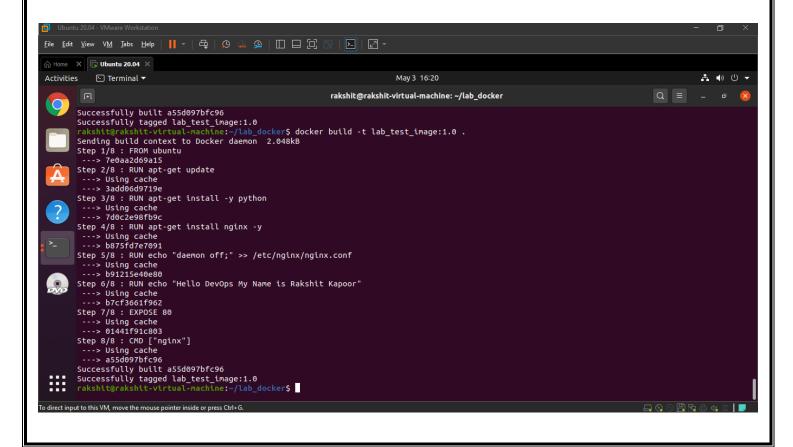
Course: B. TECH CSE DevOps (2018-22)

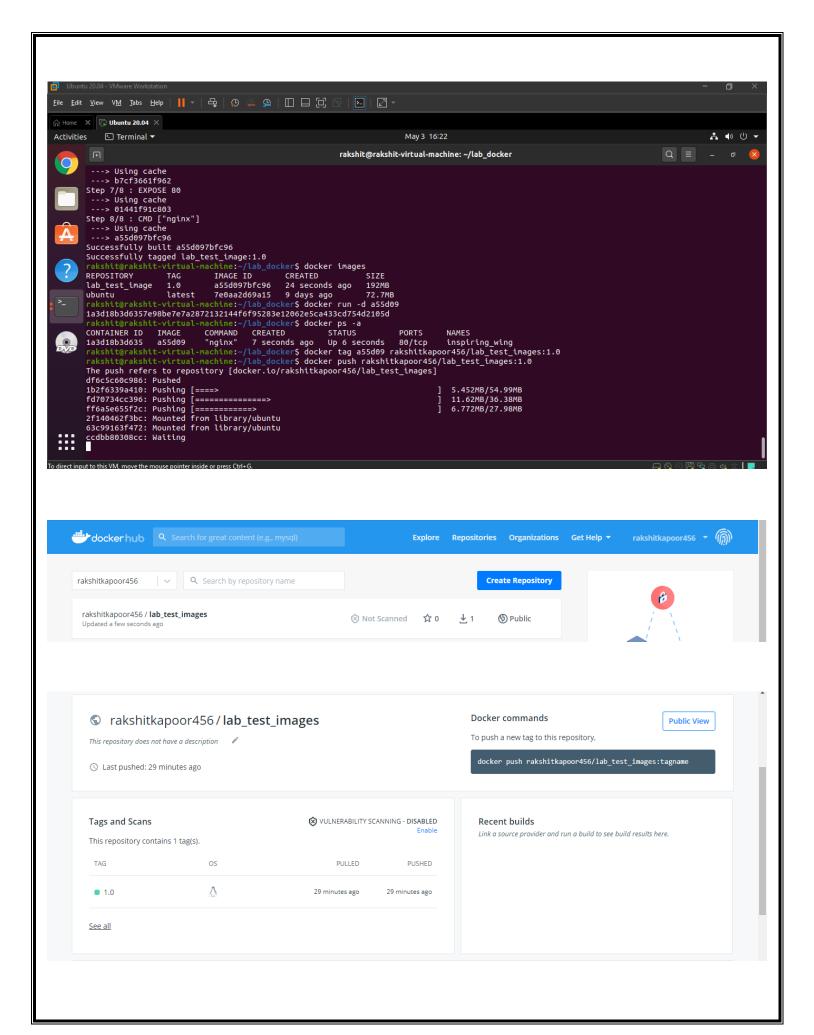
Roll no.: R171218082

Sapid: 500067642

Final Experiment







```
Terminal Host 1 +
                                                                                            $ docker swarm init
Swarm initialized: current node (905hji5u6f0chv5fxbjsuaykc) is now a manager.
To add a worker to this swarm, run the following command:
   docker swarm join --token SWMTKN-1-0abyjgi8qlri27tbfjs9dmegnfbo9w3jhqc6ufppi
e110h99xm-03e1972zdsbcr81m4x1qwab0h 172.17.0.20:2377
To add a manager to this swarm, run 'docker swarm join-token manager' and follow
 the instructions.
Terminal Host 2
$ docker swarm join 172.17.0.20:2377 --token $token
This node joined a swarm as a worker.
$ docker pull rakshitkapoor456/lab_test_images:1.0
1.0: Pulling from rakshitkapoor456/lab_test_images
345e3491a907: Pull complete
57671312ef6f: Pull complete
5e9250ddb7d0: Pull complete
c24a885d04c8: Pull complete
785e874947a7: Pull complete
62799e759c0c: Pull complete
33e8b9d9454a: Pull complete
Digest: sha256:d5aaa5fac5567295e0e906c492fe2bd6eda826f69ae080e83787e4a7dc870fd3
Status: Downloaded newer image for rakshitkapoor456/lab test images:1.0
docker.io/rakshitkapoor456/lab test images:1.0
$
```

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Terminal Host 1 🛨
$ docker swarm init
Swarm initialized: current node (905hji5u6f0chv5fxbjsuaykc) is now a manager.
To add a worker to this swarm, run the following command:
docker swarm join --token SWMTKN-1-Oabyjgi8qlri27tbfjs9dmegnfbo9w3jhqc6ufppi
e110h99xm-03e1972zdsbcr81m4x1qwab0h 172.17.0.20:2377
To add a manager to this swarm, run 'docker swarm join-token manager' and follow
the instructions.
$ []
Terminal Host 2
require 'docker login': denied: requested access to the resource is denied.
See 'docker run --help'.
$ docker images
REPOSITORY
                                     TAG
                                                          IMAGE ID
                                                                               CREATED
                                                                                                     SIZE
                                                          a55d097bfc96
rakshitkapoor456/lab_test_images
                                     1.0
                                                                               25 minutes ago
                                                                                                     192MB
                                                                               5 months ago
                                                                                                     414MB
mariadb
                                                          1b3986d60f13
mariadb
                                     latest
                                                          1b3986d60f13
                                                                               5 months ago
                                                                                                     414MB
redis
                                     latest
                                                          62f1d3402b78
                                                                               6 months ago
                                                                                                     104MB
ubuntu
                                     latest
                                                          d70eaf7277ea
                                                                               6 months ago
                                                                                                     72.9MB
mysql
                                                          db2b37ec6181
                                                                               6 months ago
                                                                                                     545MB
mysql
                                     latest
                                                          db2b37ec6181
                                                                               6 months ago
                                                                                                     545MB
alpine
                                     latest
                                                          d6e46aa2470d
                                                                               6 months ago
                                                                                                     5.57MB
postgres
                                                          492fb9ae4e7a
                                                                               6 months ago
                                                                                                     314MB
postgres
                                     latest
                                                          c96f8b6bc0d9
                                                                               6 months ago
                                                                                                     314MB
                                     latest
                                                          ba0c2ff8d362
                                                                               7 months ago
                                                                                                     492MB
mongo
                                                                                                     78.5MB
weaveworks/scope
                                     1.11.4
                                                          a082d48f0b39
                                                                               21 months ago
```

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Terminal Host 1 +
$ docker swarm init
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To add a worker to this swarm, run the following command:
docker swarm join --token SWMTKN-1-Oabyjgi8qlri27tbfjs9dmegnfbo9w3jhqc6ufppie110h99xm-03e1972zdsbcr81m4x1qwab0h 172.17.0.20:2377
To add a manager to this swarm, run 'docker swarm join-token manager' and follow
the instructions.
$ [
Terminal Host 2
See 'docker run --help'.
% docker pull rakshitkapoor456/lab_test_images:1.0
1.0: Pulling from rakshitkapoor456/lab_test_images
Digest: sha256:d5aaa5fac5567295e0e906c492fe2bd6eda826f69ae080e83787e4a7dc870fd3
Status: Image is up to date for rakshitkapoor456/lab_test_images:1.0 docker.io/rakshitkapoor456/lab_test_images:1.0
$ docker run rakshitkapoor456/lab_test_images:1.0
^[[A^[[A^[[B^X^C$ docker run rakshitkapoor456/lab_test_images:1.0
^Z^[[A^C$
$ docker run -d rakshitkapoor456/lab_test_images
Unable to find image 'rakshitkapoor456/lab_test_images:latest' locally
```

docker: Error response from daemon: manifest for rakshitkapoor456/lab_test_images:latest not found: manifest

unknown: manifest unknown. See 'docker run --help'. ≅ ∏