

S_Docker_02 Lab 2

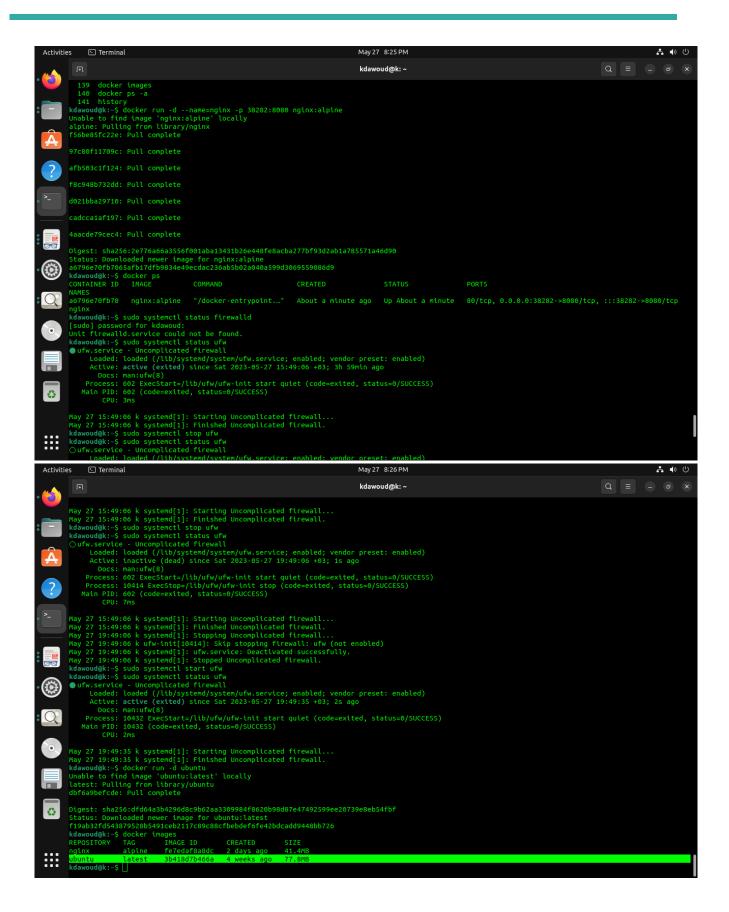


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DOCKER – DEVOPS



S_Docker_02 Lab 2

- 1- Run an instance of nginx:alpine with a name nginx and map port 8080 on the container to 38282 on the host.
- 2- create ubuntu image and check the size of it
- 3- Run a container named blue-app using image kodekloud/simplewebapp and set the environment variable APP_COLOR to blue. Make the application available on port 38282 on the host. The application listens on port 8080.
- 4- Deploy a mysql database using the mysql image and name it mysqldb Set the database password to use db_pass123 then inspect it to check the value
- 5- pull the code from https://github.com/sabreensalama/dockerizenode- app-task and create a docker file for this flask app
- 6- Create a volume called mysql_data, Run a mysql container again, but this time map a volume to the container so that the data stored by the container is stored at /opt/data on the host. Use the same name: mysql-db and same password: db_pass123 as before. Mysql stores data at /var/lib/mysql inside the container.



```
docker run -d --name blue-app -e APP_COLOR=blue -p 38282:8080 kodekloud/simple-webapp
                docker ps -a
               docker run -d --name blue-ap1p -e APP_COLOR=blue -p 38282:8080 kodekloud/simple-webapp
               docker container inspect fc2e93a0d8fc
                ping 172.17.0.2
  188 history
dawoud@k:~$
     Hello from Flask
                                                       O localhost:38282
                                                                                                                                                                                                                                                                                                     ☆
     \rightarrow C
                                                                                                      Hello from fc2e93a0d8fc!
                                                                                                                                                       kdawoud@k: ~
                                                                                                                                                                                                                                                                            Q = - 0
           188 history

kdawoudgk:-5 docker run -d --name mysql-db -e MYSQL_ROOT_PASSWOED=db_pass123 mysql:latest

Unable to find image 'mysql:latest' locally

latest: Pulling from library/mysql

90e2fb2facff: Pull complete

ba60eb26fd5f: Pull complete

4569e402469: Pull complete

496c2cfa6815: Pull complete

8ec1dfa9522c: Pull complete

8ec1dfa9522c: Pull complete

docf7ba96f8: Pull complete

docf7ba96f8: Pull complete

f3e4682f9914: Pull complete

9ffdeed6fb6: Pull complete
             /3e4082F3914: PULL Complete
9fffdeecd6fb6: PulL complete
a4346ccfb53f: PulL complete
434c13bc32de: PulL complete
434c13bc32de: PulL complete
Digest: sha256:d6164ff4855b9b3f2c7748c6ec564ccff841f79a7023db0f9293143481a44b6e
Status: Downloaded newer image for mysql:latest
9631408929f7c3ef391931455a150f502ecd0c5b714030733d4d00825297cf11

        status: boan
        9631408929f7c3ef391931455al50f502ecoocs

        kdawoudgk:-5 docker images
        IMAGE ID
        CREATED

        REPOSITORY
        TAG
        IMAGE ID
        4 days ago

        nginx
        alpine
        fe7edaf8a8dc
        4 days ago

        mysql
        latest
        05db07cd74c0
        4 days ago

        uhuntu
        latest
        3b418d7b466a
        4 weeks ago

        latest
        c663cd9aae36
        4 years ago

              kodekloud/simple-webapp latest c6e3cd9aae36
kdawoud@k:~$ docker image inspect 05db07cd74c0
                             ],
"RepoDigests": [
"mysql@sha256:d6164ff4855b9b3f2c7748c6ec564ccff841f79a7023db0f9293143481a44b6e"
,
                             "Comment: "",
"Created": "2023-05-24T21:43:13.237785913Z",
"Container": "f38d8f23cf17014cd5f9a6025dd60d0aac71eb192926e2021c03d06c5d5f5dd3",
                              "Container": "f38d8f23cf17014cd5
"ContainerConfig":
"Hostname": "f38d8f23cf17",
"Domainname": "",
"User": "",
"AttachStdin": false,
"AttachStdout": false,
"AttachStderr": false,
"FynocedPorts";
:::
```

