

Lab Guide 1

Docker Introduction

Q.1 Try to install docker in your own Lab.

Q.2 Try to verify whether the docker and my base machine is sharing the same kernel or not

Q.3 Try to download multiple images

1. centos
2. hello-world
3. httpd
4. nginx
5. mdhack/myserver
6. mdhack/myapache
7. mdhack/mayanknginximage

Q.4 create a container using hello-world image. Do not specify any name

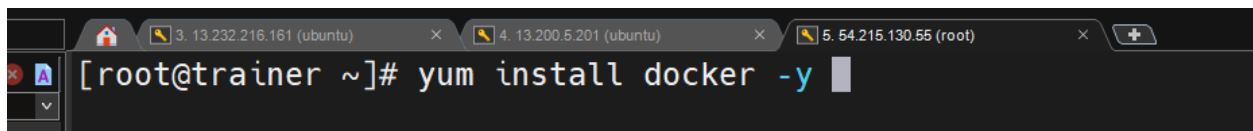
Q.5 same as 4th q. But give ur own name

Q.6 create container using every image listed below with different diff names

1. centos
2. hello-world
3. httpd
4. nginx
5. oraclelinux:8.3

Ans.1 --

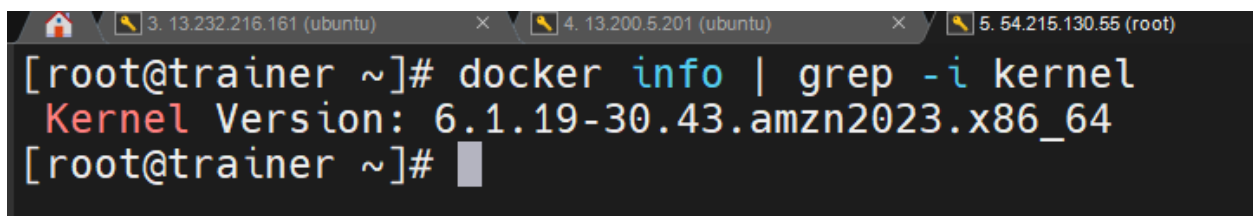
yum install docker -y



```
[root@trainer ~]# yum install docker -y
```

Ans. 2

docker info | grep -i kernel



```
[root@trainer ~]# docker info | grep -i kernel
Kernel Version: 6.1.19-30.43.amzn2023.x86_64
[root@trainer ~]#
```

Ans. 3

Docker pull centos

Docker pull hello-world

Docker pull httpd

Docker pull nginx

Docker pull mdhack/myserver

Docker pull mdhack/myapache

Docker pull mdhack/mayanknginximage

```
584 docker pull centos
585 docker pull oraclelinux:8.3
586
```

Ans.4

Docker run hello-world

```
[root@trainer ~]# docker run hello-world
```

Ans. 5

Docker run --name mayank hello-world

```
[root@trainer ~]# docker run --name mayank hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:fffb13da98453e0f04d33a6eee5bb8e46ee50d08ebe17735fc0779d0349e889e9
Status: Downloaded newer image for hello-world:latest

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/
```

Ans.6

Docker run centos

Docker run hello-world

Docker run -itd httpd

Docker run -itd nginx

Docker run -itd oraclelinux:8.3

```
588 docker run centos
589 docker run hello-world
590 docker run -itd httpd
591 docker run -itd nginx
592 history
```