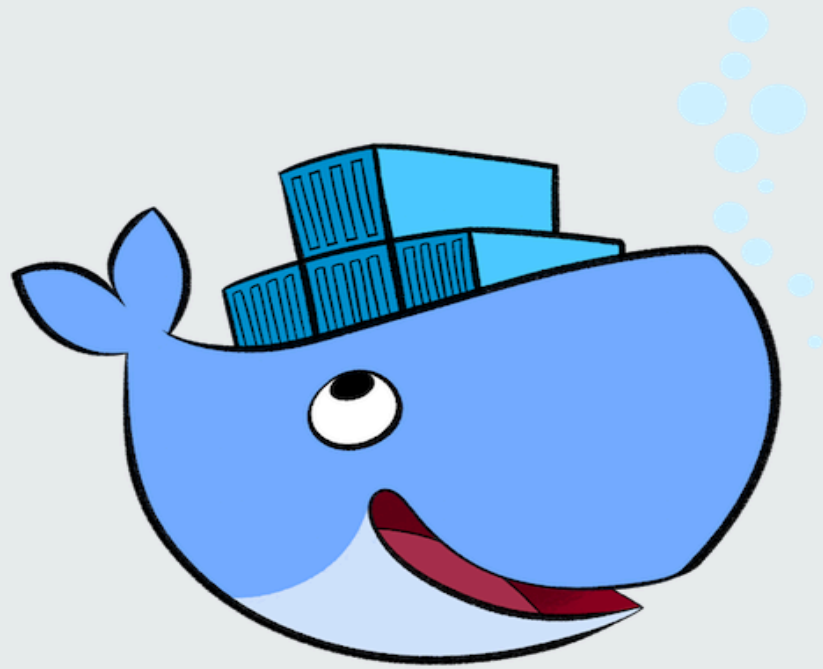


Guilherme Henrique Costa Rodrigues
Luiz Eduardo Vieira Lopes

Atividade DOCKER 1

1-Login Play with Docker



Play with Docker

A simple, interactive and fun playground to learn Docker

Start

2-Click (+ add new instance) abre o Docker

The screenshot shows the Direct Labs interface. On the left sidebar, there's a 'CLOSE SESSION' button, 'Instances' section with a '+ ADD NEW INSTANCE' button, and a list of instances including '192.168.0.18 node1'. The main panel displays details for the selected instance: IP 192.168.0.18, Memory 0.88% (35.21MiB / 3.906GiB), CPU 0.09%, and an SSH command. Below this are 'DELETE' and 'EDITOR' buttons. The terminal window shows a warning message and the user prompt '[node1] (local) root@192.168.0.18 ~'.

3-Verificar versão

docker version

```
$ docker version
Client:
Version:      27.3.1
API version:  1.47
Go version:   go1.22.7
Git commit:   ce12230
Built:        Fri Sep 20 11:39:44 2024
OS/Arch:      linux/amd64
Context:      default

Server: Docker Engine - Community
Engine:
Version:      27.3.1
API version:  1.47 (minimum version 1.24)
Go version:   go1.22.7
Git commit:   41ca978
Built:        Fri Sep 20 11:41:02 2024
OS/Arch:      linux/amd64
Experimental: true
containerd:
Version:      v1.7.22
GitCommit:    7f7fdf5fed64eb6a7caf99b3e12efcf9d60e311c
runc:
Version:      1.1.14
GitCommit:    v1.1.14-0-g2c9f560
docker-init:
Version:      0.19.0
GitCommit:    de40ad0
```

4- Baixar imagem alpine

`docker pull alpine`

```
$ docker pull alpine
Using default tag: latest
latest: Pulling from library/alpine
f18232174bc9: Pull complete
Digest: sha256:a8560b36e8b8210634f77d9f7f9efd7ffa463e380b75e2e74aff4511df3ef88c
Status: Downloaded newer image for alpine:latest
docker.io/library/alpine:latest
```

5- Listar imagens

`docker images`

```
$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
alpine        latest    aded1e1a5b37   2 months ago   7.83MB
```

4-Criar e executar um container

`docker run -it --name meu_alpine alpine /bin/sh`

digite:

`echo 'Estou no alpine'`

Sair do container

`exit`

```
$ docker run -it --name meu_alpine alpine /bin/sh
/ # echo "Estou no alpine!"
Estou no alpine!
/ # Exit
/bin/sh: Exit: not found
/ # exit
[node1] (local) root@192.168.0.28 ~
$
```

5- Listar todos os containers (Ativos e parados)

`docker ps -a`

```
$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED              STATUS              PORTS          NAMES
6a905adb5620   alpine    "/bin/sh"               About a minute ago   Exited (127) 47 seconds ago           meu_a
lpine
[node1] (local) root@192.168.0.28 ~
```

6-Listar todos os containers ATIVOS

`docker ps`

```
$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED              STATUS              PORTS          NAMES
```

7-Iniciar container parado

`docker start meu_alpine`

```
$ docker start meu_alpine
meu_alpine
[node1] (local) root@192.168.0.28 ~
```

- Entrar no container novamente

`docker attach meu_alpine`

- Sair do container

`exit`

```
$ docker attach meu_alpine
/ # exit
[node1] (local) root@192.168.0.28 ~
```

- Pare o container

`docker stop meu_alpine`

```
$ docker stop meu_alpine
meu_alpine
[node1] (local) root@192.168.0.28 ~
```

8-Remover um container

`docker rm meu_alpine`

```
[node1] (local) root@192.168.0.28 ~
$ docker rm meu_alpine
meu_alpine
```

atividade DOCKER 3

1-

```
$ docker pull ubuntu:latest
latest: Pulling from library/ubuntu
2726e237d1a3: Pull complete
Digest: sha256:1e622c5f073b4f6bfad6632f2616c7f59ef256e96fe78bf6a595d1dc4376ac02
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
```

2-

```
$ docker run -it --name meu_container ubuntu:latest /bin/bash
root@ef68043872b1:/# mkdir /meu_diretorio
```

3-

```
root@ef68043872b1:/# cd /meu_diretorio
root@ef68043872b1:/meu_diretorio#
```

4-

```
root@ef68043872b1:/meu_diretorio# echo 'ola,este e meu primeiro arquivo' > arquivo1.txt
```

5-

```
root@ef68043872b1:/meu_diretorio# ls -l
total 4
-rw-r--r-- 1 root root 32 Apr 25 00:04 arquivo1.txt
```

6-

```
root@ef68043872b1:/meu_diretorio# echo 'este e o segundo arquivo.' > arquivo2.txt
```

7-

```
root@ef68043872b1:/meu_diretorio# cp arquivo1.txt arquivo1_copia.txt
```

8-

```
root@ef68043872b1:/meu_diretorio# ls -l
total 12
-rw-r--r-- 1 root root 32 Apr 25 00:04 arquivo1.txt
-rw-r--r-- 1 root root 32 Apr 25 00:06 arquivo1_copia.txt
-rw-r--r-- 1 root root 26 Apr 25 00:06 arquivo2.txt
```

9-

```
[node1] (local) root@192.168.0.13 ~  
$ sleep 10
```

10-

```
$ docker ps -a  
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS              PORTS   NAME  
ef68043872b1   ubuntu:latest  "/bin/bash"             7 minutes ago Exited (0) 44 seconds ago           meu_  
container
```

11-

```
$ docker start meu_container  
meu_container  
[node1] (local) root@192.168.0.13 ~  
$ docker ps -a  
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS              PORTS   NAMES  
ef68043872b1   ubuntu:latest  "/bin/bash"             8 minutes ago Up 6 seconds           meu_container
```

12-

```
$ docker stop meu_container  
docker ps -a  
meu_container  
[node1] (local) root@192.168.0.13 ~  
$ docker ps -a  
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS              PORTS   NAMES  
ef68043872b1   ubuntu:latest  "/bin/bash"             9 minutes ago Exited (137) Less than a second ago           meu_container
```

13-

```
[node1] (local) root@192.168.0.13 ~  
$ docker start meu_container  
meu_container
```

14-

```
$ rm -r/meu_diretorio  
rm: unrecognized option: /  
BusyBox v1.36.1 (2024-06-10 07:11:47 UTC) multi-call binary.  
  
Usage: rm [-irf] FILE...  
  
Remove (unlink) FILEs  
  
-i      Always prompt before removing  
-f      Never prompt  
-R,-r   Recurse
```

15-

```
$ ls -l
total 0
```

```
$ exit
logout
#####
#                               WARNING!!!!                               #
# This is a sandbox environment. Using personal credentials             #
# is HIGHLY! discouraged. Any consequences of doing so are              #
# completely the user's responsibilities.                                #
#                               #                                         #
# The PWD team.                                                         #
#####
[node1] (local) root@192.168.0.13 ~
$ docker rm meu_container
meu_container
[node1] (local) root@192.168.0.13 ~
$ docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
[node1] (local) root@192.168.0.13 ~
$ docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
```