

```

faofernando@war-machine:~$ docker run -it centos /bin/bash
Unable to find image 'centos:latest' locally
latest: Pulling from library/centos
ald0c7532777: Pull complete
Digest: sha256:a27fd8080b517143cbbbab9dfb7c8571c40d67d534bbdee55bd6c473f432b177
Status: Downloaded newer image for centos:latest
[root@16bc6e9b5c90 /]#

```

Figura 1: Baixa uma imagem do centOs e cria uma interface de comando /bin/bash + it-iterable

```

[root@16bc6e9b5c90 /]# ps -elf
F S UID          PID    PPID  C PRI  NI ADDR SZ WCHAN  STIME TTY          TIME CMD
4 S root           1         0  0  80   0 -   3013 do_wai 22:28 pts/0    00:00:00 /bin/bash
4 R root          16         1  0  80   0 -  11167 -      22:34 pts/0    00:00:00 ps -elf

```

Figura 2: Exibe os processos

```

[root@16bc6e9b5c90 /]# cat /etc/hosts
127.0.0.1        localhost
::1             localhost ip6-localhost ip6-loopback
fe00::0         ip6-localnet
ff00::0         ip6-mcastprefix
ff02::1         ip6-allnodes
ff02::2         ip6-allrouters
172.17.0.2      16bc6e9b5c90

```

Figura 3:exibe o hosts

```

[root@16bc6e9b5c90 /]# uname -a
Linux 16bc6e9b5c90 5.15.0-43-generic #46-Ubuntu SMP Tue Jul 12 10:30:17 UTC 2022 x86_64 x86_64 x86_64 GNU/Linux

```

Figura 4: Exibe a versão do kernel linux, nota se que utiliza o mesmo kernel da máquina hospedeira

```

[root@16bc6e9b5c90 /]# cat /etc/redhat-release
CentOS Linux release 8.4.2105

```

Figura 5: Se vermos o conteúdo do /etc/redhat-release, podemos notar que é a versão 8 do CEntOS que está sendo executada na container

```

[root@16bc6e9b5c90 /]# apt-get update
bash: apt-get: command not found

```

Figura 6: Importante! Não irá funcionar os comandos de outras versoes

```

yum.noarch
[root@72b4065f6432 yum.repos.d]# yum check-update

```

Figura 7: Atualiza o centOS

```
ERROR : yum check-update
---> Running in 39fc233aa965
CentOS Linux 8 - AppStream          184 B/s | 38 B   00:00
Error: Failed to download metadata for repo 'appstream': Cannot prepare internal mirrorlist: No
      URLs in mirrorlist
```

```
FIX:
RUN cd /etc/yum.repos.d/
RUN sed -i 's/mirrorlist/#mirrorlist/g' /etc/yum.repos.d/CentOS-*
RUN sed -i 's|#baseurl=http://mirror.centos.org|baseurl=http://vault.centos.org|g'
      /etc/yum.repos.d/CentOS-*
RUN yum check-update
```

```
complete:
[root@72b4065f6432 yum.repos.d]# yum install vim
```

Figura 8: Instala o VIM no CentOS

```
complete:
[root@72b4065f6432 yum.repos.d]# vim /tmp/testfile
[root@72b4065f6432 yum.repos.d]# cat /tmp/testfile
Hey is my test file! I will the Pirate of King
```

Figura 9: Exibe o que foi escrito no arquivo de texto

```
fafernando@war-machine:~$ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
72b4065f6432	centos	"/bin/bash"	9 minutes ago	Exited (0) 23 seconds ago		stoic_meitner
a5f4fc8d21e5	centos	"/bin/bash"	15 minutes ago	Exited (137) 14 minutes ago		charming_pare
16bc6e9b5c90	centos	"/bin/bash"	55 minutes ago	Exited (137) 9 minutes ago		crazy_goldstine
7ce8feba7296	ubuntu	"/bin/bash"	13 hours ago	Exited (0) 13 hours ago		quizzical_joliot

Figura 10: Lista todos os containers

```
fafernando@war-machine:~$ docker attach 7ce8feba7296
root@7ce8feba7296:/#
```

Figura 11: Vincula ao container

```
fafernando@war-machine:~$ docker start 72b4065f6432
72b4065f6432
```

Figura 12: **IMPORTANTE !!!** Necessário iniciar o container antes de attach!

```
72b4065f6432
fafernando@war-machine:~$ docker attach 72b4065f6432
[root@72b4065f6432 /]# cat /etc/t
terminfo/  tmpfiles.d/
[root@72b4065f6432 /]# cat /tmp/testfile
Hey is my test file! I will the Pirate of King
[root@72b4065f6432 /]#
```

Figura 13: Os dados serão mantidos, mesmo depois do container ser encerrado e depois iniciado.