

Nome: Francisco Felipe de Oliveira

Professor: Ricardo Duarte Taveira

Avaliação 8 – MySQL

## Container MySQL

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Linux [Executando] - Oracle VM VirtualBox
Atividades Terminal ter, 21:26
felipex@felipex-VirtualBox: ~
Arquivo Editar Ver Pesquisar Terminal Ajuda
felipex@felipex-VirtualBox:~$ docker info
Client:
Context: default
Debug Mode: false
Plugins:
app: Docker App (Docker Inc., v0.9.1-beta3)
buildx: Docker Buildx (Docker Inc., v0.9.1-docker)
scan: Docker Scan (Docker Inc., v0.21.0)
Server:
Containers: 1
Running: 0
Paused: 0
Stopped: 1
Images: 1
Server Version: 20.10.21
Storage Driver: overlay2
Backing Filesystem: extfs
Supports d_type: true
Native Overlay Diff: true
userxattr: false
Logging Driver: json-file
Cgroup Driver: cgroupfs
Cgroup Version: 1

Ubuntu
18.04-LTS
amd64

felipex@felipex-VirtualBox: ~
Arquivo Editar Ver Pesquisar Terminal Ajuda
felipex@felipex-VirtualBox:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED          STATUS
4db05ef1b60e   mysql    "docker-entrypoint.s..." About a minute ago Up About
a minute      3306/tcp, 33060/tcp   elated_clarke
felipex@felipex-VirtualBox:~$
```

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Arquivo Editar Ver Pesquisar Terminal Ajuda
felipex@felipex-VirtualBox:~$ docker run hello-world
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/

felipex@felipex-VirtualBox:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED          STATUS
4db05ef1b60e   mysql    "docker-entrypoint.s..." About a minute ago Up About
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felipex@felipex-VirtualBox:~$
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Atividades Terminal ter, 21:27
felipex@felipex-VirtualBox: ~
Arquivo Editar Ver Pesquisar Terminal Ajuda
felipex@felipex-VirtualBox:~$ docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
felipex@felipex-VirtualBox:~$ ifconfig
docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
    inet6 fe80::42:ffff:fe53:9372 prefixlen 64 scopeid 0x20<link>
    ether 02:42:ff:53:93:72 txqueuelen 0 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1 bytes 110 (110.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::bbbc:18a:cfce:c639 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:cf:42:62 txqueuelen 1000 (Ethernet)
    RX packets 1055 bytes 1058074 (1.0 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 500 bytes 55991 (55.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0

Ubuntu
18.04.4 LTS
amd64

felipex@felipex-VirtualBox: ~
Arquivo Editar Ver Pesquisar Terminal Ajuda
felipex@felipex-VirtualBox:~$ docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
4db05ef1b60e   mysql     "docker-entrypoint.s-"   About a minute ago   Up About a minute   3306/tcp, 33060/tcp   elated_clarke
felipex@felipex-VirtualBox:~$
```

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Linux [Executando] - Oracle VM VirtualBox
Atividades Terminal ter, 21:28
felipex@felipex-VirtualBox: ~
Arquivo Editar Ver Pesquisar Terminal Ajuda
felipex@felipex-VirtualBox:~$ docker pull mysql
Using default tag: latest
Pulling from library/mysql
996f1bba14d6: Pull complete
a435e2c82df: Pull complete
a9d7aadb7ad7: Pull complete
24ee75d8667d: Pull complete
da8c1ec8ff26: Pull complete
ea8748759282: Pull complete
e0859d5816ee: Pull complete
26e144df551b: Pull complete
9878df6a0cc3: Pull complete
b43b187428e3: Pull complete
202e454031c6: Pull complete
Digest: sha256:66efaaa129f12b1c5871508bc8481a9b28c5b388d74ac5d2a6fc314359bbef91
Status: Downloaded newer image for mysql:latest
felipex@felipex-VirtualBox:~$ docker pull mysql:5.7
5.7: Pulling from library/mysql
d96bccd7291f: Pull complete
feae47af51d5: Pull complete
a64d38b9fa31: Pull complete
da689aaabebf: Pull complete
aa7a532737de: Pull complete
felipex@felipex-VirtualBox:~$ docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
4db05ef1b60e   mysql     "docker-entrypoint.s-"   About a minute ago   Up About a minute   3306/tcp, 33060/tcp   elated_clarke
felipex@felipex-VirtualBox:~$
```

```
Linux [Executando] - Oracle VM VirtualBox
Atividades Terminal
felipex@felipex-VirtualBox: ~
Arquivo Editar Ver Pesquisar Terminal Ajuda
felipex@felipex-VirtualBox:~$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
mysql 5.7 2d44289af685 5 hours ago 495MB
mysql latest a3a2968869cf 5 hours ago 538MB
hello-world latest feb5d9fea6a5 14 months ago 13.3kB
felipex@felipex-VirtualBox:~$ docker run mysql
2022-11-30 00:19:19+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.31-1.el8 started.
2022-11-30 00:19:20+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2022-11-30 00:19:20+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.31-1.el8 started.
2022-11-30 00:19:21+00:00 [ERROR] [Entrypoint]: Database is uninitialized and password option is not specified
You need to specify one of the following as an environment variable:
- MYSQL_ROOT_PASSWORD
- MYSQL_ALLOW_EMPTY_PASSWORD
- MYSQL_RANDOM_ROOT_PASSWORD
felipex@felipex-VirtualBox:~$ docker run -e MYSQL_ROOT_PASSWORD=root mysql
2022-11-30 00:24:03+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.31-1.el8 started.
2022-11-30 00:24:04+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2022-11-30 00:24:04+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.31-1.el8 started.
2022-11-30 00:24:04+00:00 [Note] [Entrypoint]: Initializing database files
felipex@felipex-VirtualBox:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS
4db05ef1b60e mysql "docker-entrypoint.s..." About a minute ago Up About a minute
3306/tcp, 33060/tcp elated_clarke
```

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Linux [Executando] - Oracle VM VirtualBox
Atividades Terminal
felipex@felipex-VirtualBox: ~
Arquivo Editar Ver Pesquisar Terminal Ajuda
2022-11-30 00:24:34+00:00 [Note] [Entrypoint]: Temporary server stopped
2022-11-30 00:24:34+00:00 [Note] [Entrypoint]: MySQL Init process done. Ready for start up.
2022-11-30T00:24:35.207227Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be removed in a future release. Please use SET GLOBAL host_cache_size=0 instead.
2022-11-30T00:24:35.210157Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.0.31) starting as process 1
2022-11-30T00:24:35.241644Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2022-11-30T00:24:35.744176Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2022-11-30T00:24:36.357887Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
2022-11-30T00:24:36.358498Z 0 [System] [MY-013602] [Server] channel mysql_main configured for support TLS. Encrypted connections are now supported for this channel.
2022-11-30T00:24:36.362427Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
2022-11-30T00:24:36.431565Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060, socket: /var/run/mysqld/mysqld.sock
2022-11-30T00:24:36.432032Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '8.0.31' socket: '/var/run/mysqld/mysqld.sock' port: 3306 MySQL Community Server - GPL.
felipex@felipex-VirtualBox:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS
4db05ef1b60e mysql "docker-entrypoint.s..." About a minute ago Up About a minute
3306/tcp, 33060/tcp elated_clarke
```



```
Linux [Executando] - Oracle VM VirtualBox
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felipex@felipex-VirtualBox: ~
Arquivo Editar Ver Pesquisar Terminal Ajuda
Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a differen
t directory.
2022-11-30T00:24:36.431565Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-ad
dress: '::' port: 33060, socket: /var/run/mysqld/mysqlx.sock
2022-11-30T00:24:36.432032Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections
. Version: '8.0.31' socket: '/var/run/mysqld/mysqld.sock' port: 3306 MySQL Community Server - GP
L.
2022-11-30T00:33:41.155671Z 0 [System] [MY-013172] [Server] Received SHUTDOWN from user <via user s
ignal>. Shutting down mysqld (Version: 8.0.31).
2022-11-30T00:33:41.957655Z 0 [System] [MY-010910] [Server] /usr/sbin/mysqld: Shutdown complete (my
sqld 8.0.31) MySQL Community Server - GPL.
felipex@felipex-VirtualBox:~$ docker run -e MYSQL_ROOT_PASSWORD=root --name mysql -d
"docker run" requires at least 1 argument.
See 'docker run --help'.

Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Run a command in a new container
felipex@felipex-VirtualBox:~$ docker run -e MYSQL_ROOT_PASSWORD=root --name meu-mysql -d mysql
baae42755a3511409648fe3968a47ba341e42e1bae85706da0d2bd4ea4021c75
felipex@felipex-VirtualBox:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS
baae42755a35   mysql    "docker-entrypoint.s..." 28 seconds ago Up 27 seconds 3306/tcp, 33060/
tcp   meu-mysql
felipex@felipex-VirtualBox:~$ docker inspect meu-mysql | grep IPAddress
"SecondaryIPAddresses": null,
"IPAddress": "172.17.0.2",
"IPAddress": "172.17.0.2",
felipex@felipex-VirtualBox:~$
```

## Acessando MySQL Workbench

