

# Sistemas Operacionais de Redes II

## Avaliação 8

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#### Baixando a imagem do MySQL

```
virtual@ubuntu:~$ sudo docker pull mysql/mysql-server:latest
[sudo] password for virtual:
latest: Pulling from mysql/mysql-server
134439bbc243: Pull complete
24197d57c06a: Pull complete
a8ff14042390: Pull complete
209d472e303b: Pull complete
4158d94acc40: Pull complete
807107bf7d7a: Pull complete
5f5d5a703fe0: Pull complete
Digest: sha256:1b2005199e9dc12d88d5950cd738dfd12172b1224675294646ea9d6031c78408
Status: Downloaded newer image for mysql/mysql-server:latest
docker.io/mysql/mysql-server:latest
virtual@ubuntu:~$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mysql/mysql-server	latest	3f3946d5572f	2 months ago	517MB
hello-world	latest	feb5d9fea6a5	14 months ago	13.3kB

#### Iniciando o container

```
virtual@ubuntu:~$ sudo docker run --name=mysql -d mysql/mysql-server:latest
78726b58f740f663f72221687eb291ae37e4588d7ecb0ef0f6ea068ce2bc4aea
virtual@ubuntu:~$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
78726b58f740	mysql/mysql-server:latest	"/entrypoint.sh mysql..."	7 seconds ago	Up 6 seconds (health: starting)	3306/tcp, 33060-33061/tcp

#### Instalando o MySQL Client

```
virtual@ubuntu:~$ sudo apt-get install mysql-client
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  mysql-client-8.0 mysql-client-core-8.0
The following NEW packages will be installed:
  mysql-client mysql-client-8.0 mysql-client-core-8.0
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 5,195 kB of archives.
After this operation, 75.8 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y\
Get:1 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-client-core-8.0 amd64 8.0.31-0ubuntu0.20.04.1 [5,163 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-client-8.0 amd64 8.0.31-0ubuntu0.20.04.1 [22.0 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-client all 8.0.31-0ubuntu0.20.04.1 [9,416 B]
Fetched 5,195 kB in 9s (588 kB/s)
Selecting previously unselected package mysql-client-core-8.0.
(Reading database ... 183243 files and directories currently installed.)
Preparing to unpack .../mysql-client-core-8.0_8.0.31-0ubuntu0.20.04.1_amd64.deb ...
Unpacking mysql-client-core-8.0 (8.0.31-0ubuntu0.20.04.1) ...
Selecting previously unselected package mysql-client-8.0.
Preparing to unpack .../mysql-client-8.0_8.0.31-0ubuntu0.20.04.1_amd64.deb ...
Unpacking mysql-client-8.0 (8.0.31-0ubuntu0.20.04.1) ...
Selecting previously unselected package mysql-client.
Preparing to unpack .../mysql-client_8.0.31-0ubuntu0.20.04.1_all.deb ...
Unpacking mysql-client (8.0.31-0ubuntu0.20.04.1) ...
Setting up mysql-client-core-8.0 (8.0.31-0ubuntu0.20.04.1) ...
Setting up mysql-client-8.0 (8.0.31-0ubuntu0.20.04.1) ...
Setting up mysql-client (8.0.31-0ubuntu0.20.04.1) ...
Processing triggers for man-db (2.9.1-1) ...
```

## Acessando o container

```
virtual@ubuntu:~$ docker exec -it mysql bash
bash-4.4# ls
bin  dev                               entrypoint.sh  healthcheck.sh  lib  media  opt  root  sbin  sys  usr
boot  docker-entrypoint-initdb.d  etc           home           lib64  mnt    proc  run  srv  tmp  var
bash-4.4# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.31

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

## Iniciando o container em uma porta específica e acessando pelo cliente

```
virtual@ubuntu:~$ docker run -p 13306:3306 --name=mysql -eMYSQL_ROOT_PASSWORD=senha -d mysql/mysql-server:latest
c484ca5ee383918f6008602f690f318cf9ee715456e62517c2cf8c09a7b75f66
virtual@ubuntu:~$ mysql --host=127.0.0.1 --port=13306 -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.31 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```