

PROJETO EC2 SPTECH - DOCKER + MYSQL (EVIDÊNCIAS)

1. sudo apt update && sudo apt upgrade

```
ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo apt update && sudo apt upgrade
Hit:1 http://security.ubuntu.com/ubuntu focal-security InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
All packages are up to date.
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following package was automatically installed and is no longer required:
  libfwupdplugin1
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-16-7-5:/home/urubu100$ |
```

2. sudo apt-get install xrdp lxde-core lxde tigervnc-standalone-server -y

```
ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo apt-get install xrdp lxde-core lxde tigervnc-standalone-server -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
E: Unable to locate package -y
ubuntu@ip-172-16-7-5:/home/urubu100$ |
```

3. sudo apt-get install python3

```
ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo apt-get install python3
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3 is already the newest version (3.8.2-0ubuntu2).
The following package was automatically installed and is no longer required:
  libfwupdplugin1
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-16-7-5:/home/urubu100$
```

4. sudo apt-get install python3-pip

```

ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo apt-get install python3-pip
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3-pip is already the newest version (20.0.2-5ubuntu1.6).
The following package was automatically installed and is no longer required:
  libfwupdplugin1
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-16-7-5:/home/urubu100$ |

```

## 5. pip install mysql-connector-python

```

ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ pip install mysql-connector-python
Requirement already satisfied: mysql-connector-python in /home/ubuntu/.local/lib/python3.8/site-packages (8.0.28)
Requirement already satisfied: protobuf<=3.0.0 in /home/ubuntu/.local/lib/python3.8/site-packages (from mysql-connector-python) (3.20.0)
ubuntu@ip-172-16-7-5:/home/urubu100$ |

```

## 6. sudo apt install docker.io

```

ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo apt install docker.io
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  libfwupdplugin1
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  bridge-utils containerd dns-root-data dnsmasq-base libidn11 pigz runit
Suggested packages:
  ifupdown aufs-tools cgroupfs-mount | cgroup-lite debootstrap docker
The following NEW packages will be installed:
  bridge-utils containerd dns-root-data dnsmasq-base docker.io libidn11 runit
0 upgraded, 9 newly installed, 0 to remove and 0 not upgraded.
Need to get 74.5 MB of archives.
After this operation, 361 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 bridge-utils amd64 1:1.2.20-1 [28.4 kB]

```

## 7. sudo systemctl start docker

```

ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo systemctl start docker
ubuntu@ip-172-16-7-5:/home/urubu100$ |

```

## 8. sudo systemctl enable docker

```

ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo systemctl enable docker
ubuntu@ip-172-16-7-5:/home/urubu100$

```

## 9. sudo docker pull mysql:5.7

```

ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo docker pull mysql:5.7
5.7: Pulling from library/mysql
f003217c5aae: Pull complete
65d94f01a09f: Pull complete
43d78aaa6078: Extracting [>] 65.54kB/4.179MB
a0f91ffbfd69: Download complete
59ee9e07e12f: Download complete
04d82978082c: Download complete
70f46ebb971a: Download complete
ba61822c65c2: Download complete
dec59acdf78a: Download complete
0a05235a6981: Download complete
c87d621d6916: Download complete
|

```

10. `sudo docker run -d -p 3306:3306 --name ContainerBD -e "MYSQL_DATABASE=banco1" -e "MYSQL_ROOT_PASSWORD=urubu100" mysql:5.7`

```

ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo docker run -d -p 3306:3306 --name
7956fdb1803e7258147ec304103cc3d5c784f210fb1a6ecd0c7864cfe1aa2db3
ubuntu@ip-172-16-7-5:/home/urubu100$

```

11. `sudo docker exec -it 7956fdb1803e bash`

```

ubuntu@ip-172-16-7-5: /home/urubu100
ubuntu@ip-172-16-7-5:/home/urubu100$ sudo docker exec -it 7956fdb1803e bash
root@7956fdb1803e:/#

```

12. `mysql -u root -p`

```

root@7956fdb1803e:/# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 4
Server version: 5.7.37 MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql>

```

13. `CREATE DATABASE ProjetoAlgas;`

```

mysql> CREATE DATABASE ProjetoAlgas;
Query OK, 1 row affected (0.00 sec)

mysql>

```

14. `CREATE TABLE`

```
mysql> use ProjetoAlgas;
Database changed
mysql> create table tblProjetoAlgas (
  -> id int primary key auto_increment,
  -> tempo_seg decimal(18, 2),
  -> espaco_byte decimal(18, 2),
  -> tipo_rage varchar(100)
  -> );
Query OK, 0 rows affected (0.02 sec)

mysql>
```