

Avaliação 05 - Dupla: Clara Livia e Pedro Julius

Evidenciação:

1) Criar um container a partir de uma imagem ubuntu ou alpine;

```
root@d7e2f2e0fed2: /  
administrador@pedroelara:~$ sudo docker run -it ubuntu /bin/bash  
Unable to find image 'ubuntu:latest' locally  
latest: Pulling from library/ubuntu  
125a6e411906: Pull complete  
Digest: sha256:26c68657ccce2cb0a31b330cb0be2b5e108d467f641c62e13ab40cbec258c68d  
Status: Downloaded newer image for ubuntu:latest  
root@d7e2f2e0fed2:/# cat /etc/lsb-release  
DISTRIB_ID=Ubuntu  
DISTRIB_RELEASE=22.04  
DISTRIB_CODENAME=jammy  
DISTRIB_DESCRIPTION="Ubuntu 22.04 LTS"  
root@d7e2f2e0fed2:/#  
administrador@pedroelara:~$ sudo docker run -it --name ubuntu/phpmyadmin ubuntu  
docker: Error response from daemon: Invalid container name (ubuntu/phpmyadmin), only [a-zA-Z0-9_-.] are allowed.  
See 'docker run --help'.  
administrador@pedroelara:~$ sudo docker run -it --name lamp ubuntu  
root@f1ec0ff9ba3b:/# apt-get update
```

2) Entrar no container de forma a usar o shell e instalar o Apache, o PHP e o MySQL;

- Instalação do Apache:

```
root@f1ec0ff9ba3b: /  
root@f1ec0ff9ba3b:/# apt-get install apache2  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  apache2-bin apache2-data apache2-utils bzip2 ca-certificates file libapr1 libaprutil1  
  libaprutil1-dbd-sqlite3 libaprutil1-ldap libbrotli1 libcurl4 libexpat1 libgdbm-compat4  
  libgdbm6 libicu70 libjansson4 libldap-2.5-0 libldap-common liblua5.3-0 libmagic-mgc  
  libmagic1 libnghttp2-14 libperl5.34 libpsl5 librtmp1 libsasl2-2 libsasl2-modules  
  libsasl2-modules-db libsasl2-modules-gssapi-mit libsasl2-modules-gssapi-heimdal  
  libsasl2-modules-ldap libsasl2-modules-otp libsasl2-modules-sql perl-doc  
  netbase openssl perl perl-modules-5.34 publicsuffix ssl-cert xz-utils  
Suggested packages:  
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser ufw bzip2-doc  
  gdbm-l10n libsasl2-modules-gssapi-mit | libsasl2-modules-gssapi-heimdal  
  libsasl2-modules-ldap libsasl2-modules-otp libsasl2-modules-sql perl-doc  
  libterm-readline-gnu-perl | libterm-readline-perl-perl make libtap-harness-archive-perl  
The following NEW packages will be installed:  
  apache2 apache2-bin apache2-data apache2-utils bzip2 ca-certificates file libapr1  
  libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libbrotli1 libcurl4 libexpat1  
  libgdbm-compat4 libgdbm6 libicu70 libjansson4 libldap-2.5-0 libldap-common liblua5.3-0  
  libmagic-mgc libmagic1 libnghttp2-14 libperl5.34 libpsl5 librtmp1 libsasl2-2  
  libsasl2-modules libsasl2-modules-db libsasl2-modules-gssapi-mit libsasl2-modules-gssapi-heimdal  
  libsasl2-modules-ldap libsasl2-modules-otp libsasl2-modules-sql perl-doc  
  netbase openssl perl perl-modules-5.34 publicsuffix ssl-cert xz-utils  
The following packages will be upgraded:  
  libssl3  
1 upgraded, 43 newly installed, 0 to remove and 3 not upgraded.  
Need to get 27.5 MB of archives.  
After this operation, 111 MB of additional disk space will be used.  
Do you want to continue? [Y/n] y
```

```
root@f1ec0ff9ba3b:/# ufw app list
Available applications:
  Apache
  Apache Full
  Apache Secure
root@f1ec0ff9ba3b:/#
```

- Instalação do MySql:

```
root@f1ec0ff9ba3b: ~  
root@f1ec0ff9ba3b:~# apt-get install mysql-server -y  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  
root@f1ec0ff9ba3b: ~  
root@f1ec0ff9ba3b:~# mysql  
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/run/mysqld/mysqld.sock' (2)  
root@f1ec0ff9ba3b:~# service mysql start  
* Starting MySQL database server mysqld  
su: warning: cannot change directory to /nonexistent: No such file or directory  
[ OK ]  
root@f1ec0ff9ba3b:~# mysql  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 10  
Server version: 8.0.29-0ubuntu0.22.04.2 (Ubuntu)  
  
Copyright (c) 2000, 2022, Oracle and/or its affiliates.  
  
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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> exit  
Bye  
root@f1ec0ff9ba3b:~#
```

- Instalação do PHP:

```
root@f1ec0ff9ba3b: ~  
root@f1ec0ff9ba3b:~# apt-get install php libapache2-mod-php php-mysql -y  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  libapache2-mod-php8.1 libargon2-1 libsodium23 php-common php8.1 php8.1-cli php8.1-common  
  php8.1-mysql php8.1-opcache php8.1-readline tzdata  
root@f1ec0ff9ba3b: ~  
root@f1ec0ff9ba3b:~# php -v  
PHP 8.1.2 (cli) (built: Apr 7 2022 17:46:26) (NTS)  
Copyright (c) The PHP Group  
Zend Engine v4.1.2, Copyright (c) Zend Technologies  
  with Zend OPcache v8.1.2, Copyright (c), by Zend Technologies  
root@f1ec0ff9ba3b:~#
```

3) Instalar o PHPMyAdmin;

```
root@f1ec0ff9ba3b:~# apt-get install phpmyadmin php-mbstring php-gettext
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package php-gettext
```

4) Commitar o container com o apelido ubuntu/phpmyadmin;

```
administrador@pedroclara:~$ sudo docker commit lamp ubuntu/phpmyadmin
[sudo] senha para administrador:
sha256:22846badb83f0a1272d782439b79b8dea1b245c5cc7b88f6095a2233879d4bee
administrador@pedroclara:~$ sudo docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED          STATUS          PORTS          NAMES
f1ec0ff9ba3b   ubuntu    "bash"                  45 minutes ago  Exited (0)      About a minute ago  lamp
administrador@pedroclara:~$ sudo docker commit ubuntu/phpmyadmin ubuntu/phpmyadmin
sha256:22846badb83f0a1272d782439b79b8dea1b245c5cc7b88f6095a2233879d4bee
administrador@pedroclara:~$ sudo docker images
REPOSITORY      TAG         IMAGE ID      CREATED        SIZE
ubuntu/phpmyadmin  latest     22846badb83f  2 minutes ago  810MB
ubuntu           latest     d2e4e1f51132  3 weeks ago   77.8MB
administrador@pedroclara:~$
```

Não estávamos conseguindo commitar com o apelido “ubuntu/phpmyadmin”, por isso commitamos como “lamp” e com o nome da imagem “ubuntu/phpmyadmin”.