DUPLA: PAULO TOMAS BARBOZA DA SILVA E RONALD DOS SANTOS COSTA

Dockerfile:

```
[redacted]@paulo:~$ sudo docker images
REPOSITORY   TAG       IMAGE ID   CREATED   SIZE
[redacted]@paulo:~$ mkdir atvd-06
[redacted]@paulo:~$ cd atvd-06
[redacted]@paulo:~/atvd-06$ cat > Dockerfile
FROM alpine:3.5
MAINTAINER Arvind Rawat <arvindr226@gmail.com>

RUN apk add --update --no-cache bash \
                                curl \
                                curl-dev \
                                php7-intl \
                                php7-openssl \
                                php7-dba \
                                php7-sqlite3 \
                                php7-pear \
                                php7-phpdbg \
                                php7-litespeed \
                                php7-gmp \
                                php7-pdo_mysql \
                                php7-pcntl \
                                php7-common \
                                php7-xsl \
                                php7-fpm \
                                php7-mysqlnd \
                                php7-enchant \
                                php7-pspell \
                                php7-snmp \
                                php7-doc \
                                php7-mbstring \
                                php7-dev \
                                php7-xmlrpc \
                                php7-embed \
                                php7-xmlreader \
                                php7-pdo_sqlite \
                                php7-exif \
                                php7-opcache \
                                php7-ldap \
                                php7-posix \
                                php7-session \
                                php7-gd  \
                                php7-gettext \
                                php7-json \
                                php7-xml \
                                php7 \
                                php7-iconv \
                                php7-sysvshm \
                                php7-curl \
                                php7-shmop \
                                php7-odbc \
                                php7-phar \
                                php7-pdo_pgsql \
                                php7-imap \
                                php7-pdo_dblib \
                                php7-pgsql \
                                php7-pdo_odbc \
                                php7-xdebug \
                                php7-zip \
                                php7-apache2 \
                                php7-cgi \
                                php7-ctype \
                                php7-mcrypt \
                                php7-wddx \
```

```
                            php7-mcrypt \
                            php7-wddx \
                            php7-bcmath \
                            php7-calendar \
                            php7-tidy \
                            php7-dom \
                            php7-sockets \
                            php7-soap \
                            php7-apcu \
                            php7-sysvmsg \
                            php7-zlib \
                            php7-ftp \
                            php7-sysvsem \
                            php7-pdo \
                            php7-bz2 \
                            php7-mysqli \
                            apache2 \
                            libxml2-dev \
                            apache2-utils
RUN ln -s /usr/bin/php7 /usr/bin/php
RUN curl -sS https://getcomposer.org/installer | php7 -- --install-dir=/usr/bin --filename=composer

RUN  rm -rf /var/cache/apk/*

# AllowOverride ALL
RUN sed -i '264s#AllowOverride None#AllowOverride All#' /etc/apache2/httpd.conf
#Rewrite Moduble Enable
RUN sed -i 's#\#LoadModule rewrite_module modules/mod_rewrite.so#LoadModule rewrite_module modules/mod_rewrite.so#' /etc/apache2/httpd.conf
# Document Root to /var/www/html/
RUN sed -i 's#/var/www/localhost/htdocs#/var/www/html#g' /etc/apache2/httpd.conf
#Start apache
RUN mkdir -p /run/apache2

RUN mkdir /var/www/html/

VOLUME  /var/www/html/
WORKDIR  /var/www/html/

EXPOSE 80
EXPOSE 443

CMD /usr/sbin/apachectl  -D   FOREGROUND[redacted]@paulo:~/atvd-06$
```

Docker-compose:

```
[redacted]@paulo:~/atvd-06$ nano docker-compose.yml
[redacted]@paulo:~/atvd-06$ cat docker-compose.yml
version: "2.0"
services:
  web:
    container_name: apache_server
    image: arvindr226/alpine-lamp
    ports:
       - "80:80"
       - "443:443"
    volumes:
      - ./html:/var/www/html
#    restart: always
  mysql_db:
    image: mysql:latest
    container_name: mysql_server
#    ports:
      - 3306:3306
    environment:
      MYSQL_DATABASE: paulo_ronald
      MYSQL_ROOT_PASSWORD: paulo_ronald
#    restart: always
  phpmyadmin:
    image: phpmyadmin/phpmyadmin
    container_name: phpmyadmin
    environment:
     - PMA_ARBITRARY=1
#    restart: always
    ports:
     - 8080:80
    volumes:
     - /sessions
```

Comando do docker-compose:

```
[redacted]@paulo:~/atvd-06$ docker-compose up -d
Creating network "atvd-06_default" with the default driver
Pulling web (arvindr226/alpine-lamp:)...
latest: Pulling from arvindr226/alpine-lamp
627beaf3eaaf: Pull complete
327aced67773: Pull complete
aa449f77edcf: Pull complete
dcec7a986957: Pull complete
88076738f96d: Pull complete
01e37daa7cb3: Pull complete
f01dc3fe8b52: Pull complete
0cc1d0ac6950: Pull complete
52276c54c525: Pull complete
f61819548151: Pull complete
Digest: sha256:bc586019e3c8bf685ac26cbbd2579490e8c9dc631e18670a00696ec9da426f44
Status: Downloaded newer image for arvindr226/alpine-lamp:latest
Pulling mysql_db (mysql:latest)...
latest: Pulling from library/mysql
824b15f81d65: Pull complete
c559dd1913db: Pull complete
e201c19614e6: Pull complete
f4247e8f6125: Pull complete
dc9fefd8cfb5: Pull complete
32cfafb64fee: Pull complete
c9caad7ee0fc: Pull complete
c8ed38840e96: Pull complete
5a172dc2c4c7: Pull complete
d800b83bd024: Pull complete
b20e07df03fa: Pull complete
22e8ad187ab6: Pull complete
Digest: sha256:bed914af3f2dea400c4bc83136d6b3a8cf7edcf96f5c08bbbdec8a10cc021a5d
Status: Downloaded newer image for mysql:latest
Pulling phpmyadmin (phpmyadmin/phpmyadmin:)...
latest: Pulling from phpmyadmin/phpmyadmin
214ca5fb9032: Pull complete
cd813a1b2cb8: Pull complete
63cf7574573d: Pull complete
54c27146d16e: Pull complete
078f4450f949: Pull complete
5f145e355bc4: Pull complete
fdc797cb9eea: Pull complete
af45e7153a31: Pull complete
b546fbaf263b: Pull complete
16dd2cabbcd2: Pull complete
30a426b49280: Pull complete
c94e73d5f13e: Pull complete
2f5a3464a278: Pull complete
a4f9f723c297: Pull complete
5b04d16a8086: Pull complete
2a3d1fa22772: Pull complete
ef56affc4552: Pull complete
9b9b44731108: Pull complete
Digest: sha256:ae6dadd9cf3c158e42937788f7255fa820ea3daef0349226d8d43f32e76535e1
Status: Downloaded newer image for phpmyadmin/phpmyadmin:latest
Creating mysql_server  ... done
Creating phpmyadmin    ... done
Creating apache_server ... done
```

Docker buid:

```
[redacted]@paulo:~/atvd-06$ docker build -t paulothomas29/phpmyadmin:v1 .
Sending build context to Docker daemon  5.632kB
Step 1/16 : FROM alpine:3.5
3.5: Pulling from library/alpine
8cae0e1ac61c: Pull complete
Digest: sha256:66952b313e51c3bd1987d7c4ddf5dba9bc0fb6e524eed2448fa660246b3e76ec
Status: Downloaded newer image for alpine:3.5
 ---> f80194ae2e0c
Step 2/16 : MAINTAINER Arvind Rawat <arvindr226@gmail.com>
 ---> Running in 3e74245584fb
Removing intermediate container 3e74245584fb
 ---> 6acfa6f00bf6
Step 3/16 : RUN apk add --update --no-cache bash                                curl                          curl-dev
                php7-intl                          php7-openssl                    php7-dba
php7-sqlite3                    php7-pear                          php7-phpdbg                    php7-litespeed
                php7-gmp                           php7-pdo_mysql                  php7-pcntl
php7-common                     php7-xsl                           php7-fpm                       php7-mysqlnd
                php7-enchant                       php7-pspell                     php7-snmp
php7-doc                        php7-mbstring                      php7-dev                       php7-xmlrpc
                php7-embed                         php7-xmlreader                  php7-pdo_sqlite
        php7-exif                          php7-opcache                    php7-ldap                                    p
hp7-posix                       php7-session                       php7-gd                        php7-gettext
                php7-json                          php7-xml                        php7                                         p
hp7-iconv                       php7-sysvshm                       php7-curl                      php7-shmop
                php7-odbc                          php7-phar                       php7-pdo_pgsql
php7-imap                       php7-pdo_dblib                     php7-pgsql                     php7-pdo_odbc
                php7-xdebug                        php7-zip                        php7-apache2
php7-cgi                        php7-ctype                         php7-mcrypt                    php7-wddx
                php7-bcmath                        php7-calendar                   php7-tidy
php7-dom                        php7-sockets                       php7-soap                      php7-apcu
                php7-sysvmsg                       php7-zlib                       php7-ftp
php7-sysvsem                    php7-pdo                           php7-bz2                       php7-mysqli
                apache2                            libxml2-dev                     apache2-utils
 ---> Running in 25357319914c
fetch http://dl-cdn.alpinelinux.org/alpine/v3.5/main/x86_64/APKINDEX.tar.gz
fetch http://dl-cdn.alpinelinux.org/alpine/v3.5/main/x86_64/APKINDEX.tar.gz
fetch http://dl-cdn.alpinelinux.org/alpine/v3.5/community/x86_64/APKINDEX.tar.gz
fetch http://dl-cdn.alpinelinux.org/alpine/v3.5/community/x86_64/APKINDEX.tar.gz
(1/137) Installing libuuid (2.28.2-r1)
(2/137) Installing apr (1.5.2-r1)
(3/137) Installing expat (2.2.0-r1)
(4/137) Installing apr-util (1.5.4-r2)
(5/137) Installing pcre (8.39-r0)
(6/137) Installing apache2 (2.4.35-r0)
Executing apache2-2.4.35-r0.pre-install
(7/137) Installing gzip (1.8-r0)
(8/137) Installing ncurses-terminfo-base (6.0_p20171125-r1)
(9/137) Installing ncurses-terminfo (6.0_p20171125-r1)
(10/137) Installing ncurses-libs (6.0_p20171125-r1)
(11/137) Installing lynx (2.8.8_p2-r5)
(12/137) Installing apache2-utils (2.4.35-r0)
(13/137) Installing readline (6.3.008-r4)
(14/137) Installing bash (4.3.46-r5)
Executing bash-4.3.46-r5.post-install
(15/137) Installing ca-certificates (20161130-r1)
(16/137) Installing libssh2 (1.7.0-r2)
(17/137) Installing libcurl (7.61.1-r1)
(18/137) Installing curl (7.61.1-r1)
(19/137) Installing pkgconf (1.0.2-r0)
(20/137) Installing zlib-dev (1.2.11-r0)
(21/137) Installing libressl2.4-libtls (2.4.4-r0)
(22/137) Installing libressl-dev (2.4.4-r0)
(23/137) Installing libssh2-dev (1.7.0-r2)
```

Imagens:

```
Successfully tagged paulothomas29/phpmyadmin:v1
[redacted]@paulo:~/atvd-06$ docker images
REPOSITORY                  TAG       IMAGE ID       CREATED          SIZE
paulothomas29/phpmyadmin    v1        a03f9407caf9   58 seconds ago   173MB
mysql                       latest    968083d5be36   8 hours ago      524MB
phpmyadmin/phpmyadmin       latest    4a4023c7e22a   5 weeks ago      510MB
alpine                      3.5       f80194ae2e0c   3 years ago      4MB
arvindr226/alpine-lamp      latest    ebe47cc582df   5 years ago      173MB
```

MYSQL funcionando:

```
[redacted]@paulo:~/atvd-06$ docker exec -it mysql_server bash
root@acde5704f674:/# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.29 MySQL Community Server - GPL

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owners.

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

mysql> show databases
    ->
    -> exit
    -> ^C
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| paulo_ronald       |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.01 sec)

mysql>
```
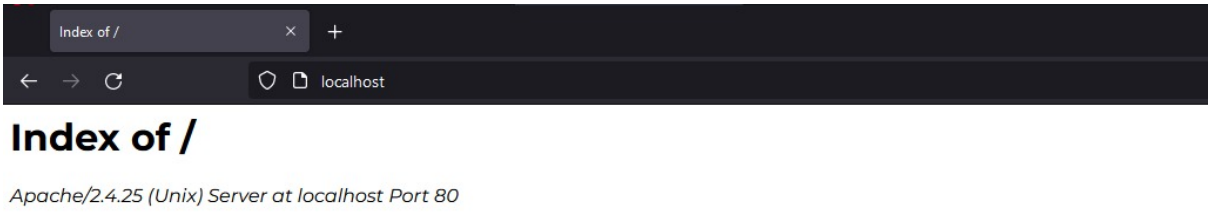
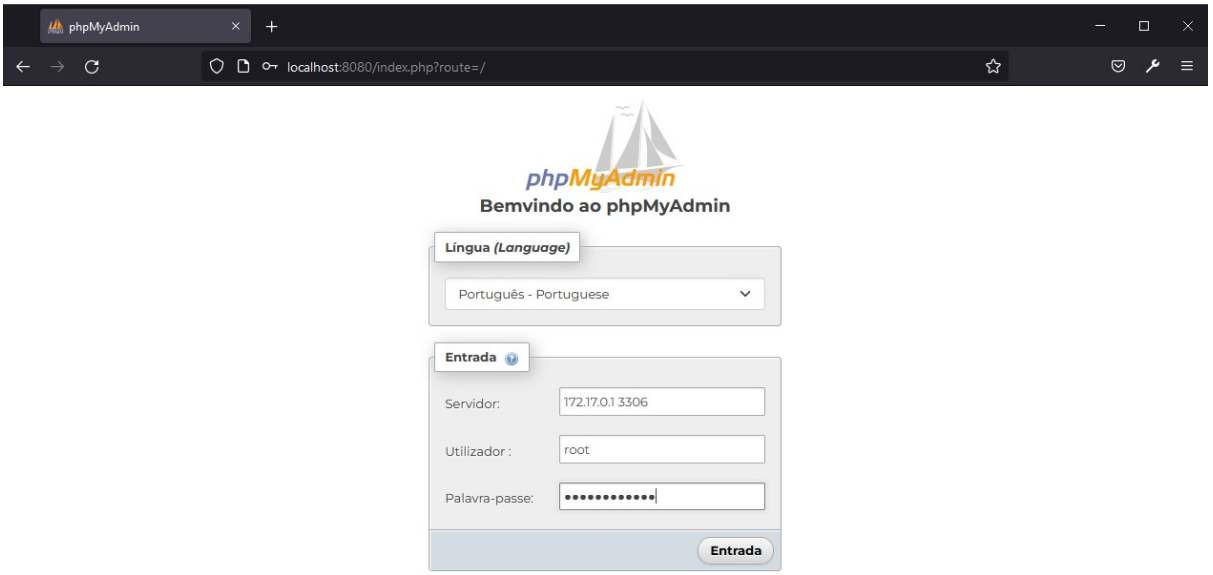
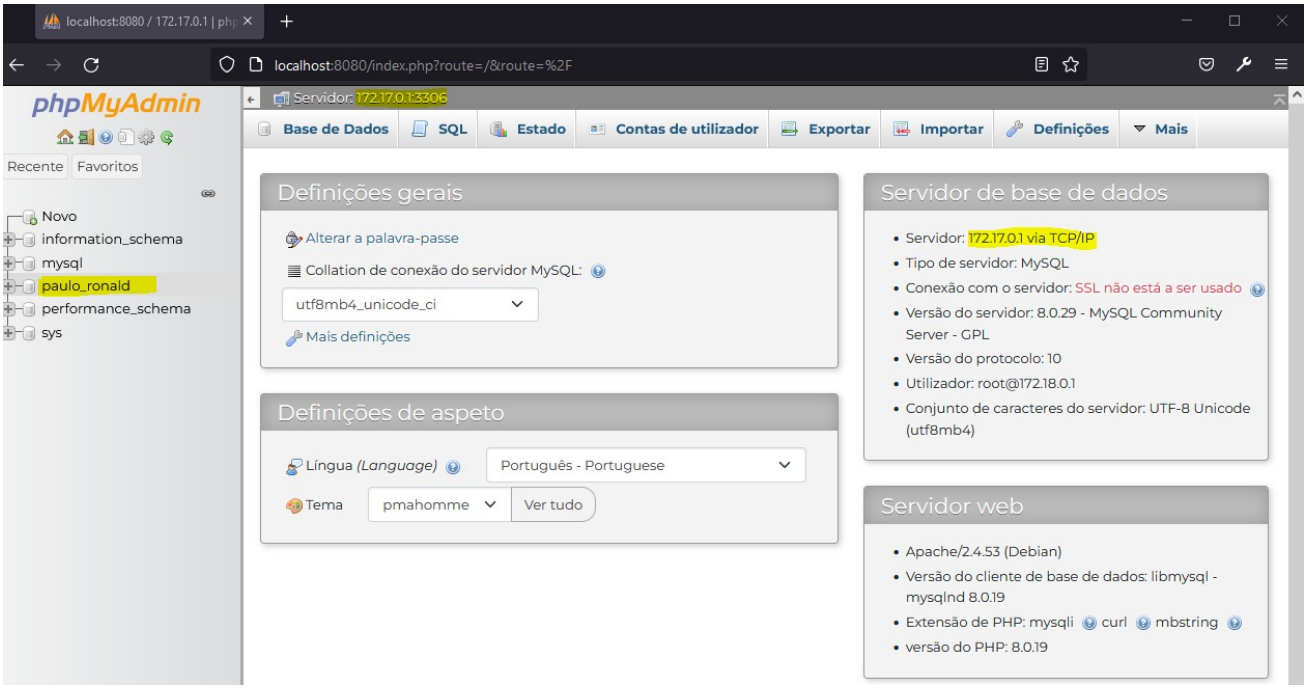

Apache rodando (porta 80):



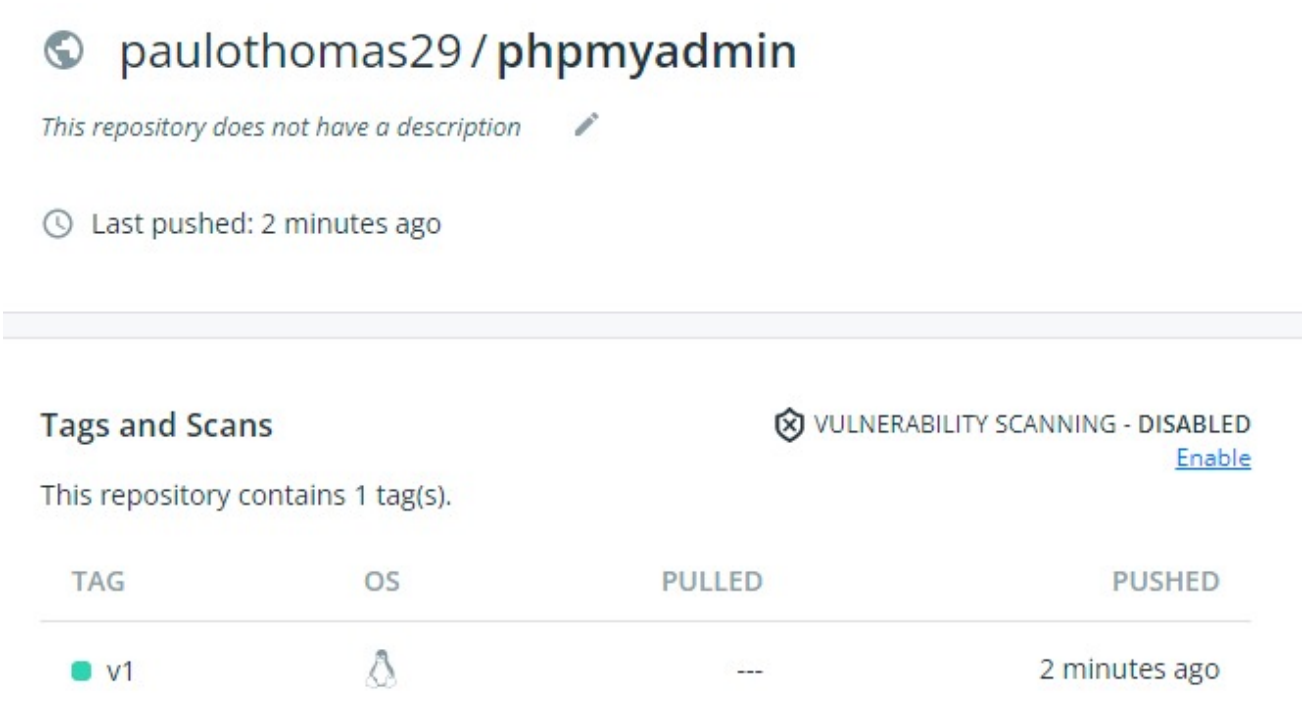
phpmyadmin login:



phpmyadmin logado:



Logando no Docker Hub e fazendo o push:

```
[redacted]@paulo:~/atvd-06$ docker images
REPOSITORY                TAG       IMAGE ID       CREATED          SIZE
paulothomas29/phpmyadmin  v1        a03f9407caf9   16 minutes ago   173MB
mysql                     latest    968083d5be36   9 hours ago      524MB
phpmyadmin/phpmyadmin     latest    4a4023c7e22a   5 weeks ago      510MB
alpine                    3.5       f80194ae2e0c   3 years ago      4MB
arvindr226/alpine-lamp    latest    ebe47cc582df   5 years ago      173MB
[redacted]@paulo:~/atvd-06$ sudo docker login -u paulothomas29 -p [redacted] docker.io
[sudo] password for [redacted]:
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[redacted]@paulo:~/atvd-06$ sudo docker push paulothomas29/phpmyadmin:v1
The push refers to repository [docker.io/paulothomas29/phpmyadmin]
a72218ccb62a: Pushed
b29241bd7dcd: Pushed
5d55453f1916: Pushed
fb0041aa38d4: Pushed
cd93a7b56207: Pushed
4fb29d751e0f: Pushed
2a7c55e792a0: Pushed
5b12f0558f5a: Pushed
c5808e9c3e4a: Pushed
f566c57e6f2d: Mounted from library/alpine
v1: digest: sha256:abbd7e2ed04a5c965a6f7e57afa06dba13f037c54e52dd389f4d49d6eaa82eac size: 2402
[redacted]@paulo:~/atvd-06$
```

Evidenciação da imagem no repositório do Docker Hub: