**Manual técnico - Sistema de información LLANURA**

**Ambiente de desarrollo:**

|  |  |
| --- | --- |
| **Software** | **Versión** |
| S.O. Gnu/Linux - Ubuntu | 22.04 |
| Docker | 26.1.3 |
| Docker Compose | 2.27.0 |

**Herramientas aplicación:**

|  |  |
| --- | --- |
| **Software** | **Versión** |
| PHP | 8.2 |
| MySql | 5.7.44 |
| Phpmyadmin | 5.2.1 |
| Apache | 2.4.57 |
| Composer | 2.7.6 |
| Nodejs | 18 |

Estructura inicial de archivos en el archivo **estructura.txt**

**Contenedores:**

**Dockerfile** para php:

FROM php:8.2-apache

RUN apt-get update && apt-get install -y \

libzip-dev \

zip \

unzip \

libpng-dev \

libjpeg-dev \

libfreetype6-dev \

&& docker-php-ext-configure gd --with-freetype --with-jpeg \

&& docker-php-ext-install pdo pdo\_mysql gd zip

RUN a2enmod rewrite

**docker-compose.yml** del sistema informático:

version: '3.8'

services:

app:

build:

context: .

dockerfile: docker/php/Dockerfile

container\_name: app

ports:

- "8080:80"

volumes:

- ./laravel:/var/www/html

- ./docker/php/vhost.conf:/etc/apache2/sites-available/000-default.conf

- ./docker/php/php.ini:/usr/local/etc/php/php.ini

environment:

APACHE\_DOCUMENT\_ROOT: /var/www/html/public

networks:

- lamp-network

depends\_on:

- db

db:

image: mysql:5.7

container\_name: db

environment:

MYSQL\_ROOT\_PASSWORD: alvarado123

MYSQL\_DATABASE: llanura\_bd

MYSQL\_USER: alvarado

MYSQL\_PASSWORD: alvarado123

volumes:

- db-data:/var/lib/mysql

networks:

- lamp-network

phpmyadmin:

image: phpmyadmin/phpmyadmin

container\_name: phpmyadmin

environment:

PMA\_HOST: db

MYSQL\_ROOT\_PASSWORD: alvarado123

ports:

- "8081:80"

depends\_on:

- db

networks:

- lamp-network

composer:

image: composer:latest

container\_name: composer

volumes:

- ./laravel:/app

networks:

- lamp-network

entrypoint: ["tail", "-f", "/dev/null"]

node:

image: node:18

container\_name: node

ports:

- "5174:5174"

volumes:

- ./laravel:/app

working\_dir: /app

networks:

- lamp-network

entrypoint: ["tail", "-f", "/dev/null"]

volumes:

db-data:

networks:

lamp-network:

**comandos de consola**

en raiz del directorio que contiene el proyecto:

docker-compose up -d

docker-compose exec composer composer create-project --prefer-dist laravel/laravel .

**Permisos:**

sudo chown -R $USER:www-data laravel/storage laravel/bootstrap/cache

sudo chmod -R 775 laravel/storage laravel/bootstrap/cache

docker-compose exec app bash

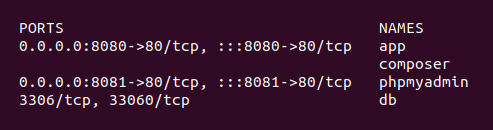
chown -R www-data:www-data /var/www/html/storage /var/www/html/bootstrap/cache

chmod -R 775 /var/www/html/storage /var/www/html/bootstrap/cache

exit

docker-compose exec app php artisan migrate

**dockers corriendo:**

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**token cambios git ruizverano**

github\_pat\_11AI3JG7A0JBbV1XVZWZ8a\_Zb3VzK2iYCHNlCfEMTPAvM64MCGis9ULsa5tSb9Cipw6B4HW4NWhOkFhusV

**variables de entorno:**

APP\_NAME=Laravel

APP\_ENV=local

APP\_KEY=base64:y3DvU6/8zqe3bsS8vzcxm2T504jYBVEoGo6omX18U84=

APP\_DEBUG=true

APP\_TIMEZONE=UTC

APP\_URL=http://localhost

APP\_LOCALE=en

APP\_FALLBACK\_LOCALE=en

APP\_FAKER\_LOCALE=en\_US

APP\_MAINTENANCE\_DRIVER=file

APP\_MAINTENANCE\_STORE=database

BCRYPT\_ROUNDS=12

LOG\_CHANNEL=stack

LOG\_STACK=single

LOG\_DEPRECATIONS\_CHANNEL=null

LOG\_LEVEL=debug

DB\_CONNECTION=mysql

DB\_HOST=db

DB\_PORT=3306

DB\_DATABASE=llanura\_bd

DB\_USERNAME=alvarado

DB\_PASSWORD=alvarado123

SESSION\_DRIVER=database

SESSION\_LIFETIME=120

SESSION\_ENCRYPT=false

SESSION\_PATH=/

SESSION\_DOMAIN=null

BROADCAST\_CONNECTION=log

FILESYSTEM\_DISK=local

QUEUE\_CONNECTION=database

CACHE\_STORE=database

CACHE\_PREFIX=

MEMCACHED\_HOST=127.0.0.1

REDIS\_CLIENT=phpredis

REDIS\_HOST=127.0.0.1

REDIS\_PASSWORD=null

REDIS\_PORT=6379

MAIL\_MAILER=log

MAIL\_HOST=127.0.0.1

MAIL\_PORT=2525

MAIL\_USERNAME=null

MAIL\_PASSWORD=null

MAIL\_ENCRYPTION=null

MAIL\_FROM\_ADDRESS="hello@example.com"

MAIL\_FROM\_NAME="${APP\_NAME}"

AWS\_ACCESS\_KEY\_ID=

AWS\_SECRET\_ACCESS\_KEY=

AWS\_DEFAULT\_REGION=us-east-1

AWS\_BUCKET=

AWS\_USE\_PATH\_STYLE\_ENDPOINT=false

VITE\_APP\_NAME="${APP\_NAME}"

**Despliegue sin Docker:**

**En Ubuntu:**

**Instalar PHP y Dependencias:**

php -v

sudo dpkg -l | grep php | tee packages.txt

sudo add-apt-repository ppa:ondrej/php

sudo apt install php8.2 php8.2-cli php8.2-{bz2,curl,mbstring,intl}

sudo a2enconf php8.2-fpm

sudo apt install libapache2-mod-php8.2

sudo a2enconf php8.2-fpm

sudo apt purge php8.1\*

sudo apt-get install php-xml

sudo systemctl restart apache2

**Instalar Apache2:**

sudo apt install apache2

sudo ufw app list

sudo ufw allow 'Apache'

sudo systemctl status apache2

**Instalar Composer:**

cd ~

curl -sS [https://getcomposer.org/installer -o /tmp/composer-setup.php](https://getcomposer.org/installer%20-o%20/tmp/composer-setup.php)

HASH=`curl -sS [https://composer.github.io/installer.sig`](https://composer.github.io/installer.sig%60)

php -r "if (hash\_file('SHA384', '/tmp/composer-setup.php') === '$HASH') { echo 'Installer verified'; } else { echo 'Installer corrupt'; unlink('composer-setup.php'); } echo PHP\_EOL;"

sudo php /tmp/composer-setup.php --install-dir=/usr/local/bin --filename=composer

composer

**Instalar NodeJS:**

node -v

sudo apt install nodejs

sudo apt install npm

curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.4/install.sh | bash

source ~/.nvm/nvm.sh

nvm install 20

nvm use 20

nvm alias default 20

node -v

**Instalar MySQL:**

sudo apt install mysql-server

sudo systemctl start mysql.service

sudo mysql

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'password';

mysql -u root -p

create database llanura\_bd

exit

sudo apt-get install php-mysql

**Clonar y ejecutar aplicación:**

git clone -b alvarado <https://github.com/ruizverano/llanura.git>

cd llanura

php artisan migrate

php artisan serve

npm install

npm run dev

**Con Windows se deben instalar todas las herramientas igualmente o utilizar WAMP Laragon con las mismas herramientas configuradas en sus ultimas versiones.**