

# Manual De implantación



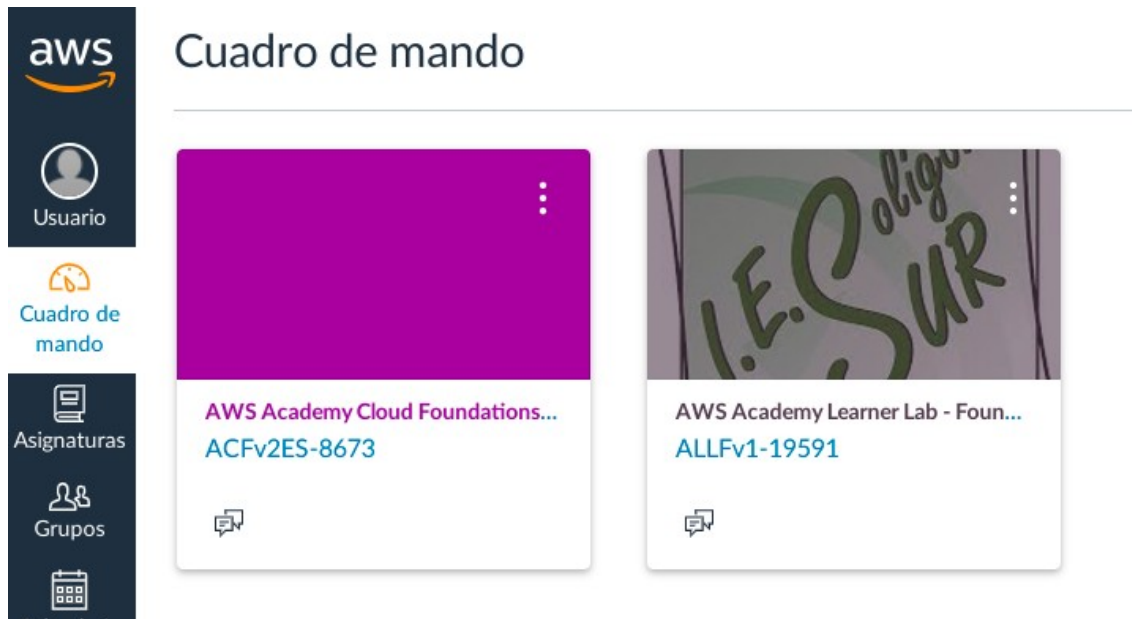
**amazon**  
web services

**Carmen M.<sup>a</sup> Rufo Palomo**

**IES Polígono Sur  
2º DAW**

# Iniciar instancia en AWS

Accedemos al cuadro de mandos en AWS



A continuación accedemos al laboratorio que vayamos a utilizar, vamos al apartado de módulos y a “Learner lab”.

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**Contenidos**

[Foros de discusión](#)

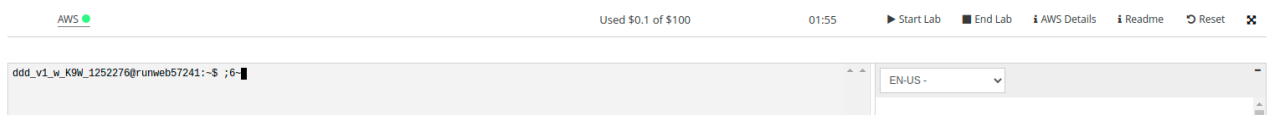
## ▼ Learner Lab Foundation Services

[📎 Learner Lab - Student Guide.pdf](#)

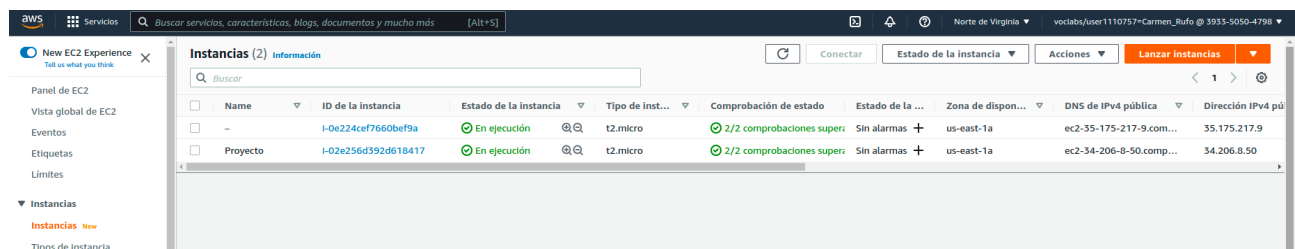
[📎 Learner Lab - Foundational Services](#)

[📎 End of Course Feedback Survey](#)

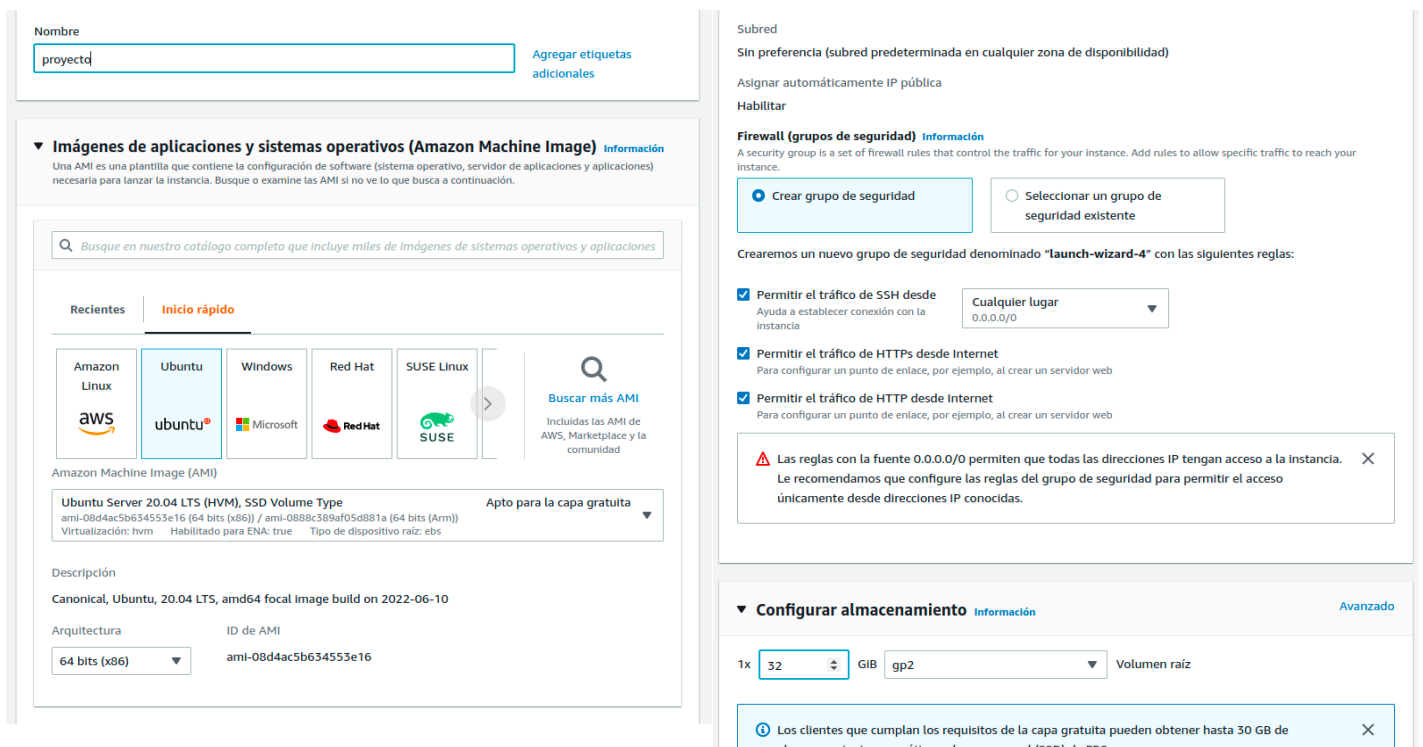
Luego levantamos el laboratorio y hacemos click en AWS cuando la luz se ponga en verde



Ahora en el menu de la izquierda accedemos a “Instancias” y después en la parte derecha hacemos click en “Lanzar instancias”.



Después debemos introducir los datos para la instancia. En mi caso he instalado una máquina Ubuntu 20 de 64bits, tipo t2.micro, etc.



Una vez creada la instancia simplemente la debemos ejecutar, conectarnos por SSH

```
crufo@crufo:~/laravel$ sudo ssh -i "crufo.pem" ubuntu@ec2-54-161-139-234.compute-1.amazonaws.com
[sudo] contraseña para crufo:
The authenticity of host 'ec2-54-161-139-234.compute-1.amazonaws.com (54.161.139.234)' can't be established.
ECDSA key fingerprint is SHA256:P7gCEAozSe/ubmNUo6ZRzRaPH6pEBMp8YfjydkVpF4.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-161-139-234.compute-1.amazonaws.com,54.161.139.234' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.13.0-1029-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Jun 19 20:47:32 UTC 2022

System load:  0.0               Processes:            102
Usage of /:   5.0% of 28.90GB   Users logged in:     0
Memory usage: 21%              IPv4 address for eth0: 172.31.81.38
Swap usage:   0%

1 update can be applied immediately.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

Instalar apache2

```
ubuntu@ip-172-31-81-38:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
  openssl-blacklist
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
0 upgraded, 11 newly installed, 0 to remove and 0 not upgraded.
Need to get 1866 kB of archives.
After this operation, 8091 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

## Instalar MySQL

```
ubuntu@ip-172-31-81-38:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libencode-locale-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libtimedate-perl liburi-perl
  mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libwww-perl mailx tinycat
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libencode-locale-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libtimedate-perl liburi-perl
  mysql-server mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 25 newly installed, 0 to remove and 0 not upgraded.
Need to get 31.6 MB of archives.
After this operation, 262 MB of additional disk space will be used.
```

## Crear una contraseña al usuario root de MySQL

```
ubuntu@ip-172-31-81-38:~$ sudo mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.29-0ubuntu0.20.04.3 (Ubuntu)

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Oracle is a registered trademark of Oracle Corporation and/or its
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>
```

```
mysql> USE mysql;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> SELECT User, Host, plugin from user;
+-----+-----+-----+
| User          | Host          | plugin          |
+-----+-----+-----+
| debian-sys-maint | localhost    | caching_sha2_password |
| mysql.infoschema | localhost    | caching_sha2_password |
| mysql.session   | localhost    | caching_sha2_password |
| mysql.sys       | localhost    | caching_sha2_password |
| root           | localhost    | auth_socket      |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH caching_sha2_password BY 'root';
Query OK, 0 rows affected (0.02 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

mysql>
```

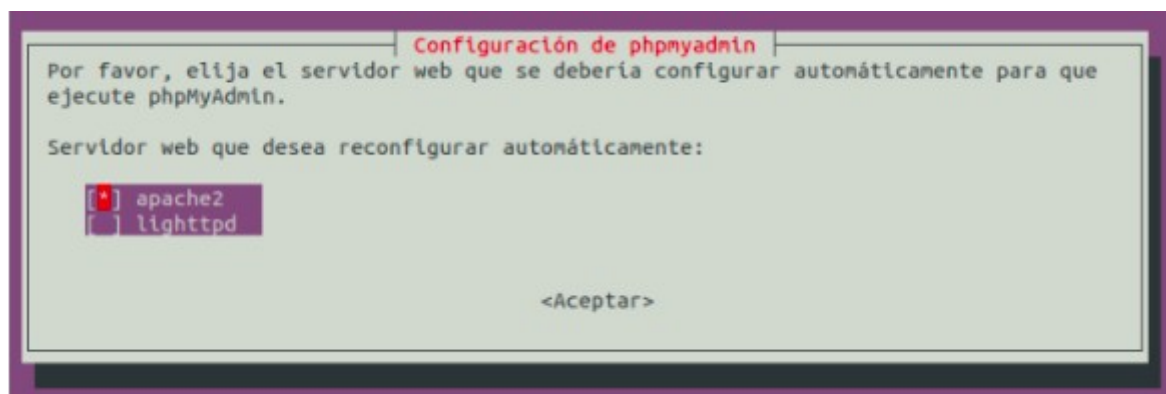
## Instalar PHP

```
ubuntu@ip-172-31-81-38:~$ sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php7.4 php-common php7.4 php7.4-cli php7.4-common php7.4-json php7.4-my
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php7.4 php php-common php-mysql php7.4 php7.4-cli ph
0 upgraded, 12 newly installed, 0 to remove and 0 not upgraded.
Need to get 4148 kB of archives.
After this operation, 18.5 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

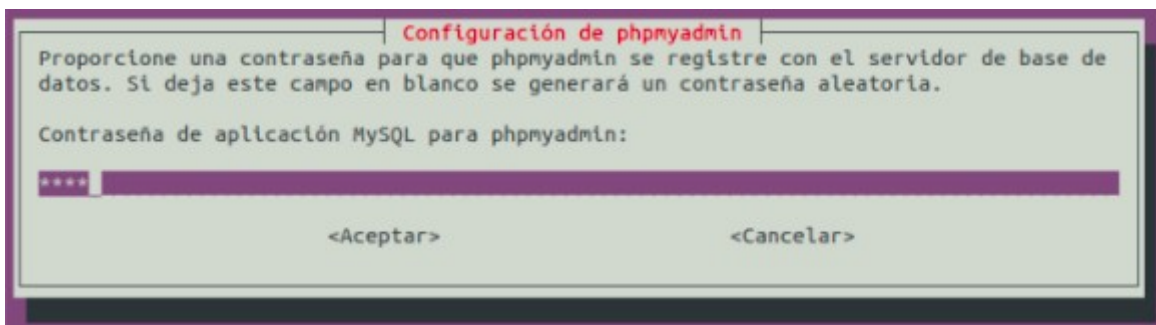
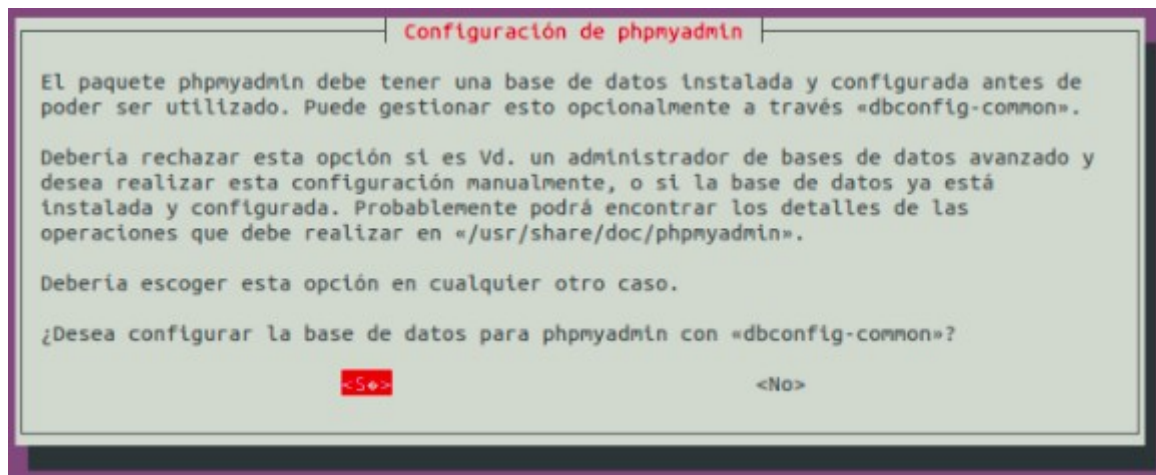
## instalar PHPMYAdmin

```
ubuntu@ip-172-31-81-38:~$ sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  dbconfig-common dbconfig-mysql fontconfig-config fonts-dejavu-core icc-profiles-free javascript-com
  libjs-sphinxdoc libjs-underscore libonig5 libtiff5 libwebp6 libxpm4 libzip5 php-bz2 php-google-rec
  php-psr-cache php-psr-container php-psr-log php-symfony-cache php-symfony-cache-contracts php-symfo
  php-twig-extensions php-xml php7.4-bz2 php7.4-curl php7.4-gd php7.4-mbstring php7.4-xml php7.4-zip
Suggested packages:
  libgd-tools php-dbase php-libsodium php-mcrypt php-gmp php-symfony-service-implementation php-imagi
  php-bacon-qr-code php-samyoul-u2f-php-server
Recommended packages:
  php-mcrypt
The following NEW packages will be installed:
  dbconfig-common dbconfig-mysql fontconfig-config fonts-dejavu-core icc-profiles-free javascript-com
  libjs-sphinxdoc libjs-underscore libonig5 libtiff5 libwebp6 libxpm4 libzip5 php-bz2 php-curl php-gd
  php-phpmyadmin-sql-parser php-phpseclib php-psr-cache php-psr-container php-psr-log php-symfony-cac
  php-symfony-var-exporter php-tcpdf php-twig php-twig-extensions php-xml php-zip php7.4-bz2 php7.4-c
0 upgraded, 50 newly installed, 0 to remove and 0 not upgraded.
Need to get 17.7 MB of archives.
After this operation, 77.1 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

## Configurar PHPMYAdmin







Instalar todo lo necesario para la instalación de laravel

```
ubuntu@ip-172-31-81-38:~$ curl -sS https://getcomposer.org/installer -o composer-setup.php
ubuntu@ip-172-31-81-38:~$ HASH=$(curl -sS https://composer.github.io/installer.sig)
ubuntu@ip-172-31-81-38:~$ echo $HASH
55ce33d7678c5a611085589f1f3ddf8b3c52d662cd01d4ba75c0ee0459970c2200a51f492d557530c71c15d8dba01eae
ubuntu@ip-172-31-81-38:~$ php -r "if (hash_file('SHA384', 'composer-setup.php') === '$HASH') { echo '
Installer verified'; } else { echo 'Installer corrupt'; unlink('composer-setup.php'); } echo PHP_EOL;
"
Installer verified
ubuntu@ip-172-31-81-38:~$ php composer-setup.php
All settings correct for using Composer
Downloading...

Composer (version 2.3.7) successfully installed to: /home/ubuntu/composer.phar
Use it: php composer.phar

ubuntu@ip-172-31-81-38:~$ sudo mv composer.phar /usr/local/bin/composer
```

Crear proyecto Laravel con Composer

```
ubuntu@ip-172-31-81-38:~$ composer create-project laravel/laravel proyecto-integrado
Creating a "laravel/laravel" project at "./proyecto-integrado"
Info from https://repo.packagist.org: #StandWithUkraine
Installing laravel/laravel (v8.6.12)
As there is no 'unzip' nor '7z' command installed zip files are being unpacked using
nsion.
This may cause invalid reports of corrupted archives. Besides, any UNIX permissions (
defined in the archives will be lost.
Installing 'unzip' or '7z' (21.01+) may remediate them.
- Installing laravel/laravel (v8.6.12): Extracting archive
Created project in /home/ubuntu/proyecto-integrado
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
```

## Instalación de Breeze

```
ubuntu@ip-172-31-81-38:~/proyecto-integrado$ sudo apt install curl
Reading package lists... Done
Building dependency tree
Reading state information... Done
curl is already the newest version (7.68.0-1ubuntu2.11).
```

```
ubuntu@ip-172-31-81-38:~/proyecto-integrado$ sudo apt install npm
Reading package lists... Done
Building dependency tree
Reading state information... Done
npm is already the newest version (6.14.4+ds-1ubuntu2).
```

```
ubuntu@ip-172-31-81-38:~/proyecto-integrado$ sudo apt install -y nodejs
Reading package lists... Done
Building dependency tree
Reading state information... Done
nodejs is already the newest version (10.19.0~dfsg-3ubuntu1).
nodejs set to manually installed.
```

```
ubuntu@ip-172-31-81-38:~/proyecto-integrado$ curl -fsSL https://deb.nodesource.com/setup_16.x | sudo
-E bash -

## Installing the NodeSource Node.js 16.x repo...

## Populating apt-get cache...

+ apt-get update
Hit:1 http://us-east-1-ec2.archive.ubuntu.com/ubuntu focal InRelease
```

```
ubuntu@ip-172-31-81-38:~/proyecto-integrado$ sudo npm install -g n
/usr/local/bin/n -> /usr/local/lib/node_modules/n/bin/n
+ n@8.2.0
added 1 package from 2 contributors in 0.39s
ubuntu@ip-172-31-81-38:~/proyecto-integrado$ sudo n stable
installing : node-v16.15.1
mkdir : /usr/local/n/versions/node/16.15.1
fetch : https://nodejs.org/dist/v16.15.1/node-v16.15.1-linux-x64.tar.xz
copying : node/16.15.1
installed : v16.15.1 (with npm 8.11.0)
```

```
Note: the node command changed location and the old location may be remembered in your current shell.
old : /usr/bin/node
new : /usr/local/bin/node
If "node --version" shows the old version then start a new shell, or reset the location hash with:
hash -r (for bash, zsh, ash, dash, and ksh)
rehash (for csh and tcsh)
```

```
ubuntu@ip-172-31-81-38:~/proyecto-integrado$ composer require laravel/breeze --dev
Info from https://repo.packagist.org: #StandWithUkraine
Using version ^1.9 for laravel/breeze
./composer.json has been updated
Running composer update laravel/breeze
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
- Locking laravel/breeze (v1.9.3)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
As there is no 'unzip' nor '7z' command installed zip files are being unpacked using the PHP zip exte
nsion.
This may cause invalid reports of corrupted archives. Besides any UNIX permissions (e.g. executable)
```

```
ubuntu@ip-172-31-81-38:~/proyecto-integrado$ php artisan breeze:install
Breeze scaffolding installed successfully.
Please execute the "npm install" && "npm run dev" commands to build your assets.
```



por último hacemos npm install y npm run dev y ya tendremos nuestro proyecto Laravel desplegado en AWS, simplemente debemos acceder a un navegador y poner la IP pública.


No es seguro | 34.206.8.50

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Incidencias



Los estudios primero



ESTAMOS EN...

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