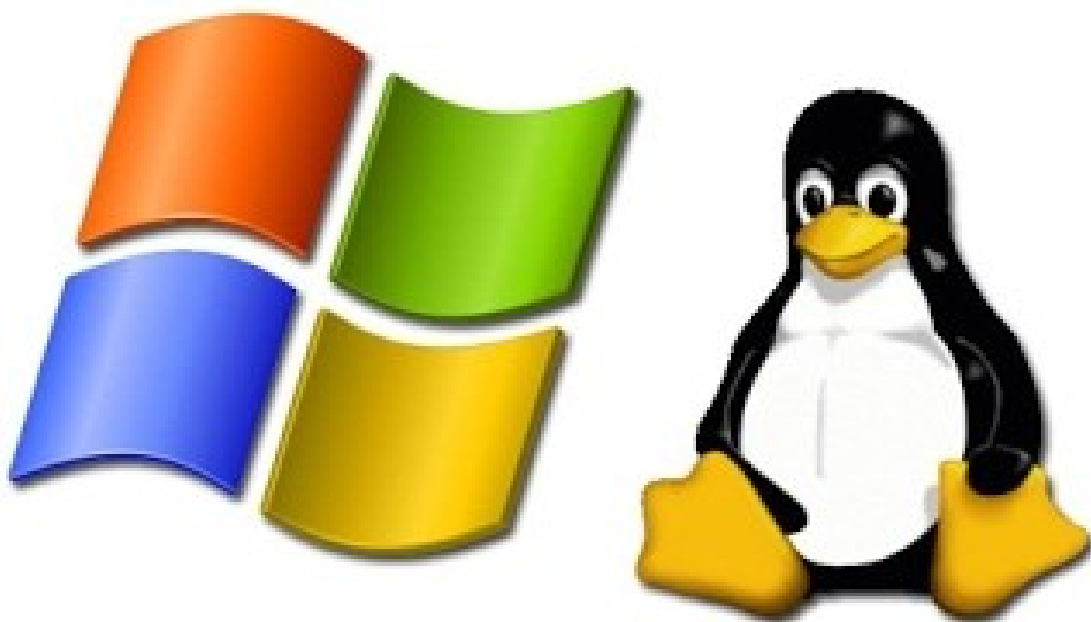


M01 IMPLANTACIÓ DE SISTEMES OPERATIUS (UF4)

*Sistemes Microinformàtics i
Xarxes curs 2019-20
IES de l'Ebre*

Data

NOM DE LA PRÀCTICA



Sergio Fernandez

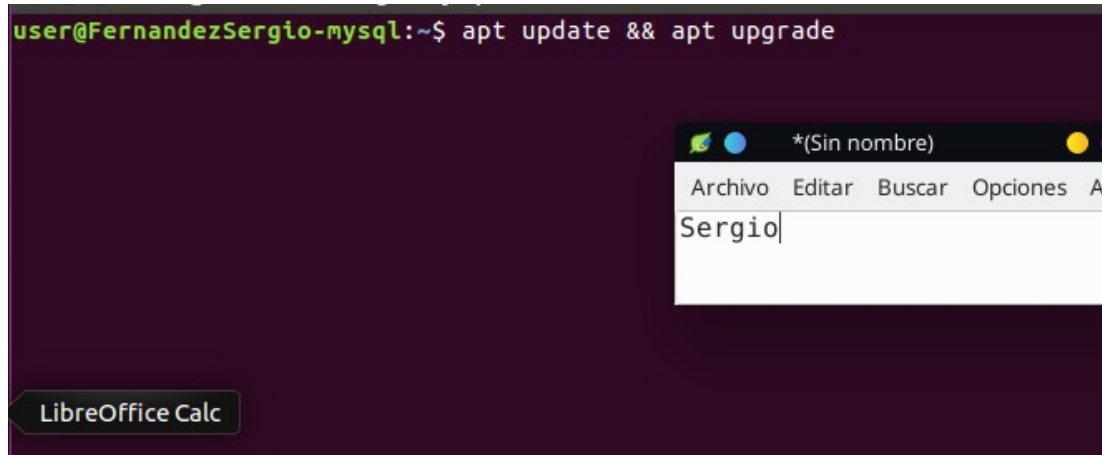
Lluís Gallart

Índex de contingut

RESOLUCIÓ DE LA PRÀCTICA	3
INCIDÈNCIES	4
INFORMACIÓ CONSULTADA	5

RESOLUCIÓ DE LA PRÀCTICA

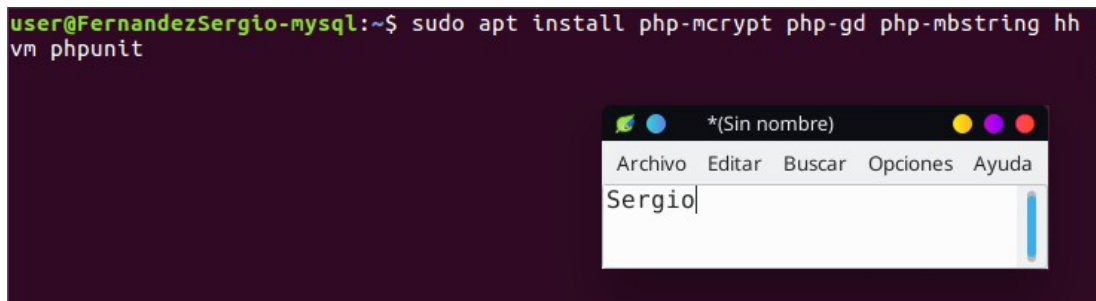
Primer tenim que tenir el sistema actualizat.



```
user@FernandezSergio-mysql:~$ apt update && apt upgrade
```

A screenshot of a terminal window with a dark purple background. The command `apt update && apt upgrade` has been entered. Overlaid on the terminal is a window titled `*(Sin nombre)` with a menu bar containing `Archivo`, `Editar`, `Buscar`, `Opciones`, and `Ayuda`. The text `Sergio` is in the input field. A `LibreOffice Calc` window is also visible in the bottom left corner.

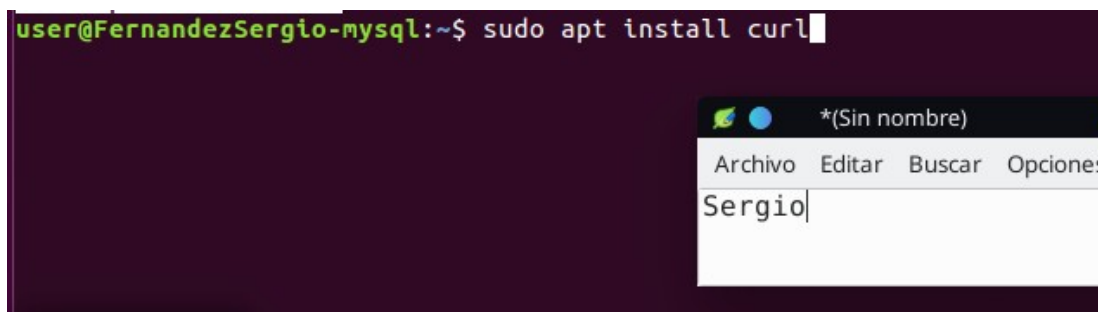
Ara el mes important es intalar totes les dependENCIES per a que el program funcione sense cap problema



```
user@FernandezSergio-mysql:~$ sudo apt install php-mcrypt php-gd php-mbstring hhvm phpunit
```

A screenshot of a terminal window with a dark purple background. The command `sudo apt install php-mcrypt php-gd php-mbstring hhvm phpunit` has been entered. Overlaid on the terminal is a window titled `*(Sin nombre)` with a menu bar containing `Archivo`, `Editar`, `Buscar`, `Opciones`, and `Ayuda`. The text `Sergio` is in the input field.

Instalem paquet curl que el utilizarem com intaladors.



```
user@FernandezSergio-mysql:~$ sudo apt install curl
```

A screenshot of a terminal window with a dark purple background. The command `sudo apt install curl` has been entered. Overlaid on the terminal is a window titled `*(Sin nombre)` with a menu bar containing `Archivo`, `Editar`, `Buscar`, and `Opciones`. The text `Sergio` is in the input field.

Ara instal·larem el composer amb la eina curl .

```
user@FernandezSergio-mysql:~$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...

Composer (version 1.9.0) successfully installed to: /home/user/composer.phar
Use it: php composer.phar

user@FernandezSergio-mysql:~$
```

Ara mourem el paquet i li donem permisos.

```
user@FernandezSergio-mysql:~$ sudo mv composer.phar /usr/local/bin/composer
user@FernandezSergio-mysql:~$
```

I facil i per a tota la família tenim el composer instal·lat.

```
user@FernandezSergio-mysql:~$ composer

Composer version 1.9.0 2019-08-02 20:55:32

Usage:
  command [options] [arguments]

Options:
  -h, --help                Display this help message
  -q, --quiet               Do not output any message
  -V, --version             Display this application version
  --ansi                   Force ANSI output
  --no-ansi                Disable ANSI output
  -n, --no-interaction     Do not ask any interactive question
  --profile                Display timing and memory usage information
```

Laberel

En primer lloc el que hem de afegir el següent repositori:

```
user@FernandezSergio-mysql:~$ sudo add-apt-repository ppa:ondrej/php
[sudo] password for user:
Lo sentimos, vuelva a intentarlo.
[sudo] password for user:
Co-installable PHP versions: PHP 5.6, PHP 7.x and most requested extensions are included
. Only Supported Versions of PHP (http://php.net/supported-versions.php) for Supported Ub
untu Releases (https://wiki.ubuntu.com/Releases) are provided. Don't ask for end-of-life
PHP versions or Ubuntu release, they won't be provided.

Debian oldstable and stable packages are provided as well: https://deb.sury.org/#debian-d
pa

You can get more information about the packages at https://deb.sury.org

BUGS&FEATURES: This PPA now has a issue tracker:
https://deb.sury.org/#bug-reporting

CAVEATS:
1. If you are using php-gearman, you need to add ppa:ondrej/pkg-gearman
2. If you are using apache2, you are advised to add ppa:ondrej/apache2
3. If you are using nginx, you are advise to add ppa:ondrej/nginx-mainline
or ppa:ondrej/nginx

PLEASE READ: If you like my work and want to give me a little motivation, please consider
donating regularly: https://donate.sury.org/

WARNING: add-apt-repository is broken with non-UTF-8 locales, see
https://github.com/oerdnj/deb.sury.org/issues/56 for workaround:

# LC_ALL=C.UTF-8 add-apt-repository ppa:ondrej/php
Más información: https://launchpad.net/~ondrej/+archive/ubuntu/php
Pulse [Intro] para continuar o ctrl-c para cancelar

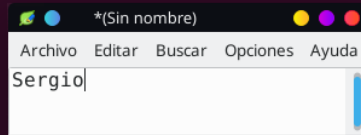
gpg: anillo «/tmp/tmpbsx5ewhi/secring.gpg» creado
gpg: anillo «/tmp/tmpbsx5ewhi/pubring.gpg» creado
gpg: solicitando clave E5267A6C de hkp servidor keyserver.ubuntu.com
gpg: /tmp/tmpbsx5ewhi/trustdb.gpg: se ha creado base de datos de confianza
gpg: clave E5267A6C: clave pública "Launchpad PPA for Ondřej Surý" importada
gpg: Cantidad total procesada: 1
gpg:      importadas: 1 (RSA: 1)
OK
```

Després de haver afegit el repositori instal·larem els següents paquets

```
user@FernandezSergio-mysql:~$ sudo apt-get update && sudo apt-get install php7.1 php7.1-mcrypt php7.1-xml php7.1-gd php7.1-opcache php7.1-mbstring
Obj:1 http://ppa.launchpad.net/ondrej/php/ubuntu xenial InRelease
Obj:2 http://security.ubuntu.com/ubuntu xenial-security InRelease
Obj:3 http://es.archive.ubuntu.com/ubuntu xenial InRelease
Obj:4 http://es.archive.ubuntu.com/ubuntu xenial-updates InRelease
Obj:5 http://es.archive.ubuntu.com/ubuntu xenial-backports InRelease
Leyendo lista de paquetes... Hecho
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias
Leyendo la información de estado... Hecho
php7.1 ya está en su versión más reciente (7.1.32-1+ubuntu16.04.1+deb.sury.org+1).
php7.1-gd ya está en su versión más reciente (7.1.32-1+ubuntu16.04.1+deb.sury.org+1).
php7.1-mbstring ya está en su versión más reciente (7.1.32-1+ubuntu16.04.1+deb.sury.org+1).
php7.1-mcrypt ya está en su versión más reciente (7.1.32-1+ubuntu16.04.1+deb.sury.org+1).
php7.1-opcache ya está en su versión más reciente (7.1.32-1+ubuntu16.04.1+deb.sury.org+1).
php7.1-xml ya está en su versión más reciente (7.1.32-1+ubuntu16.04.1+deb.sury.org+1).
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 612 no actualizados.
user@FernandezSergio-mysql:~$
```

A continuació instal·larem el apache2

```
user@FernandezSergio-mysql:~$ sudo apt-get install apache2 libapache2-mod-php7.1
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias
Leyendo la información de estado... Hecho
apache2 ya está en su versión más reciente (2.4.18-2ubuntu3.13).
fijado apache2 como instalado manualmente.
libapache2-mod-php7.1 ya está en su versión más reciente (7.1.32-1+ubuntu16.04.1+deb.sury.org+1).
fijado libapache2-mod-php7.1 como instalado manualmente.
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 612 no actualizados.
user@FernandezSergio-mysql:~$
```

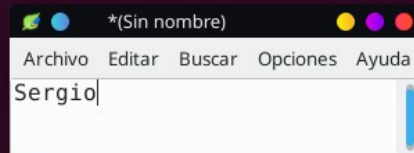


En la següent comanda instal·lem el Laravel

```
user@FernandezSergio-mysql:/tmp$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...
```

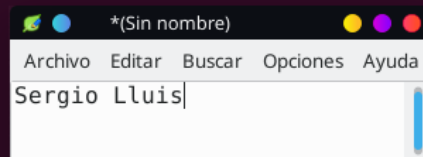
```
Composer (version 1.9.0) successfully installed to: /tmp/composer.phar
Use it: php composer.phar
```

```
user@FernandezSergio-mysql:/tmp$
```



Mourem la composer.phar al directori /usr/local/bin/composer

```
user@FernandezSergio-mysql:/tmp$ sudo mv composer.phar /usr/local/bin/composer
[sudo] password for user:
Lo sentimos, vuelva a intentarlo.
[sudo] password for user:
user@FernandezSergio-mysql:/tmp$ cd /var/www/html
```



Després de haver instal·lat el laravel ens ubicarem a la carpeta /var/www/html i crearem el projecte anomenat sergiolluistrebll

```
user@FernandezSergio-mysql:/var/www/html$ sudo composer create-project laravel/laravel sergiolluistrebll --prefer-dist
[sudo] password for user:
Lo sentimos, vuelva a intentarlo.
[sudo] password for user:
Lo sentimos, vuelva a intentarlo.
[sudo] password for user:
Do not run Composer as root/super user! See https://getcomposer.org/root for details
Installing laravel/laravel (v5.8.35)
- Installing laravel/laravel (v5.8.35): Downloading (100%)
Created project in sergiolluistrebll
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 80 installs, 0 updates, 0 removals
- Installing symfony/polyfill-ctype (v1.12.0): Downloading (100%)
- Installing phoption/phoption (1.5.0): Downloading (100%)
- Installing vlucas/phpdotenv (v3.6.0): Downloading (100%)
- Installing symfony/css-selector (v4.3.4): Downloading (100%)
- Installing tijsverkoyen/css-to-inline-styles (2.2.1): Downloading (100%)
- Installing symfony/polyfill-php72 (v1.12.0): Downloading (100%)
- Installing symfony/polyfill-mbstring (v1.12.0): Downloading (100%)
- Installing symfony/var-dumper (v4.3.4): Downloading (100%)
- Installing symfony/routing (v4.3.4): Downloading (100%)
- Installing symfony/process (v4.3.4): Downloading (100%)
- Installing symfony/polyfill-php73 (v1.12.0): Downloading (100%)
- Installing symfony/polyfill-intl-idn (v1.12.0): Downloading (100%)
- Installing symfony/mime (v4.3.4): Downloading (100%)
- Installing symfony/http-foundation (v4.3.4): Downloading (100%)
- Installing symfony/event-dispatcher-contracts (v1.1.5): Downloading (100%)
- Installing psr/container (1.0.0): Downloading (100%)
- Installing symfony/event-dispatcher (v4.3.4): Downloading (100%)
- Installing psr/log (1.1.0): Downloading (100%)
- Installing symfony/debug (v4.3.4): Downloading (100%)
- Installing symfony/http-kernel (v4.3.4): Downloading (100%)
- Installing symfony/finder (v4.3.4): Downloading (100%)
- Installing symfony/service-contracts (v1.1.6): Downloading (100%)
- Installing symfony/console (v4.3.4): Downloading (100%)
- Installing symfony/polyfill-iconv (v1.12.0): Downloading (100%)
- Installing doctrine/lexer (1.0.2): Downloading (100%)
- Installing egulias/email-validator (2.1.11): Downloading (100%)
- Installing swiftmailer/swiftmailer (v6.2.1): Downloading (100%)
- Installing paragonie/random_compat (v9.99.99): Downloading (100%)
- Installing ramsey/uuid (3.8.0): Downloading (100%)
- Installing psr/simple-cache (1.0.1): Downloading (100%)
- Installing opis/closure (3.4.0): Downloading (100%)
- Installing symfony/translation-contracts (v1.1.6): Downloading (100%)
- Installing symfony/translation (v4.3.4): Downloading (100%)
- Installing nesbot/carbon (2.25.0): Downloading (100%)
- Installing monolog/monolog (1.25.1): Downloading (100%)
- Installing league/flysystem (1.0.55): Downloading (100%)
- Installing erusev/parsedown (1.7.3): Downloading (100%)
- Installing dragonmantank/cron-expression (v2.3.0): Downloading (100%)
```


Després de haver creat la carpeta sergiolluistrebll i haver compilat hem de canviar el grup i canviar els següents permisos:

```
user@FernandezSergio-mysql:/var/www/html$ sudo chgrp -R www-data /var/www/html/sergiolluistrebll
[sudo] password for user:
user@FernandezSergio-mysql:/var/www/html$ sudo chmod -R 777 /var/www/html/sergiolluistrebll/storage
```

Comprovació:

```
user@FernandezSergio-mysql:/var/www/html$ ls -l
total 16
-rw-r--r-- 1 root root 11321 oct 1 21:31 index.html
drwxr-xr-x 12 root www-data 4096 oct 4 15:39 sergiolluistreball
user@FernandezSergio-mysql:/var/www/html$ ls -l sergiolluistreball/
total 240
drwxr-xr-x 6 root www-data 4096 sep 9 18:26 app
-rwxr-xr-x 1 root www-data 1686 sep 9 18:26 artisan
drwxr-xr-x 3 root www-data 4096 sep 9 18:26 bootstrap
-rw-r--r-- 1 root www-data 1550 sep 9 18:26 composer.json
-rw-r--r-- 1 root www-data 167995 oct 4 15:39 composer.lock
drwxr-xr-x 2 root www-data 4096 sep 9 18:26 config
drwxr-xr-x 5 root www-data 4096 sep 9 18:26 database
-rw-r--r-- 1 root www-data 1126 sep 9 18:26 package.json
-rw-r--r-- 1 root www-data 1156 sep 9 18:26 phpunit.xml
drwxr-xr-x 4 root www-data 4096 sep 9 18:26 public
-rw-r--r-- 1 root www-data 4198 sep 9 18:26 readme.md
drwxr-xr-x 6 root www-data 4096 sep 9 18:26 resources
drwxr-xr-x 2 root www-data 4096 sep 9 18:26 routes
-rw-r--r-- 1 root www-data 563 sep 9 18:26 server.php
drwxrwxrwx 5 root www-data 4096 sep 9 18:26 storage
drwxr-xr-x 4 root www-data 4096 sep 9 18:26 tests
drwxr-xr-x 40 root www-data 4096 oct 4 15:39 vendor
-rw-r--r-- 1 root www-data 538 sep 9 18:26 webpack.mix.js
user@FernandezSergio-mysql:/var/www/html$
```

En el directori /etc /apache2 /sites-available, en el arxiu laravel.conf afegirem el següent

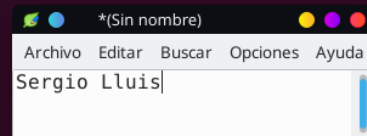


```
*laravel.conf
/etc/apache2/sites-available

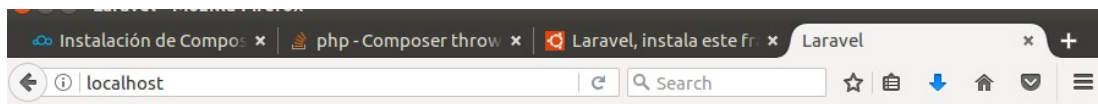
<VirtualHost *:80>
    ServerName laravelparaidiotas.tsl
    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/html/sergiolluistreball/public
    <Directory /var/www/html/sergiolluistreball>
        AllowOverride All
    </Directory>
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```


Per ultim sol haurem de deshabilitar i reiniciar els següents serveis

```
user@FernandezSergio-mysql:/etc/apache2/sites-available$ sudo a2dissite 000-default.conf && sudo a2ensite laravel.conf && sudo a2enmod rewrite
Site 000-default disabled.
To activate the new configuration, you need to run:
  service apache2 reload
Enabling site laravel.
To activate the new configuration, you need to run:
  service apache2 reload
Enabling module rewrite.
To activate the new configuration, you need to run:
  service apache2 restart
```

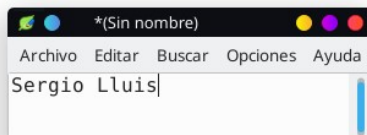


Comprovació de que el laravel està funcionant



Laravel

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INCIDÈNCIES

INFORMACIÓ CONSULTADA
