

# ACTIVIDADES EVALUABLES

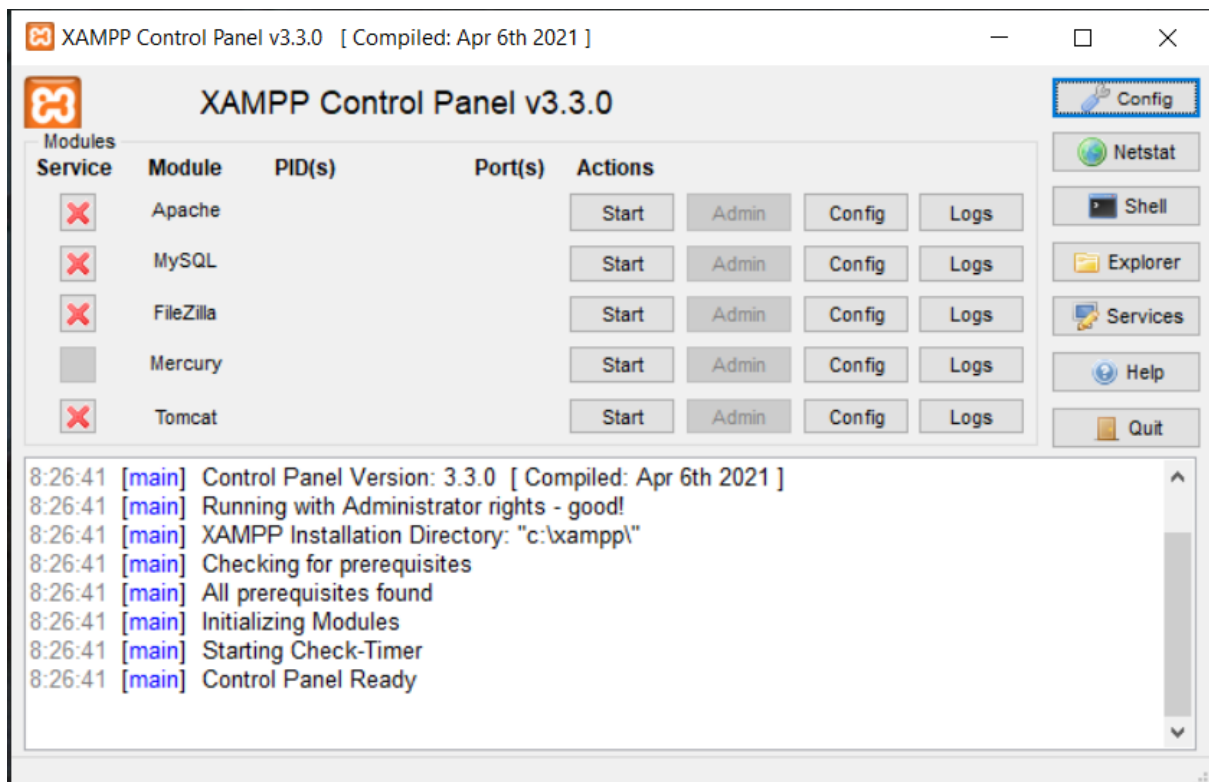
UNIDAD 1.0

FECHA

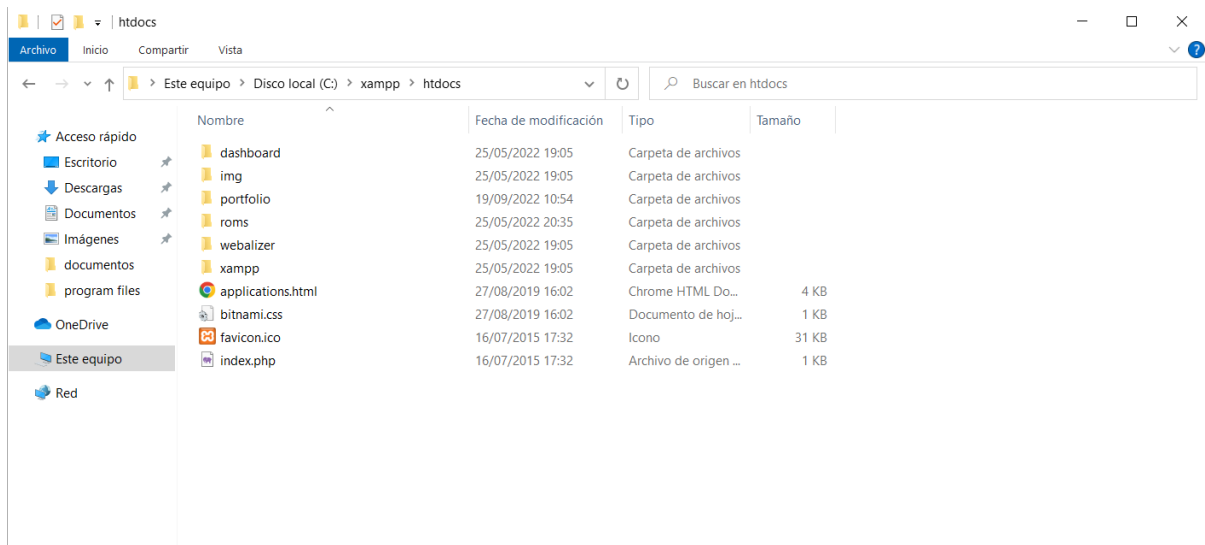
## Actividades evaluables

### Tarea 1: Xampp

*Puesta que ya tenía instalado xampp, procedo a abrirlo y acceder a la carpeta htdocs para colocar el portafolio.*

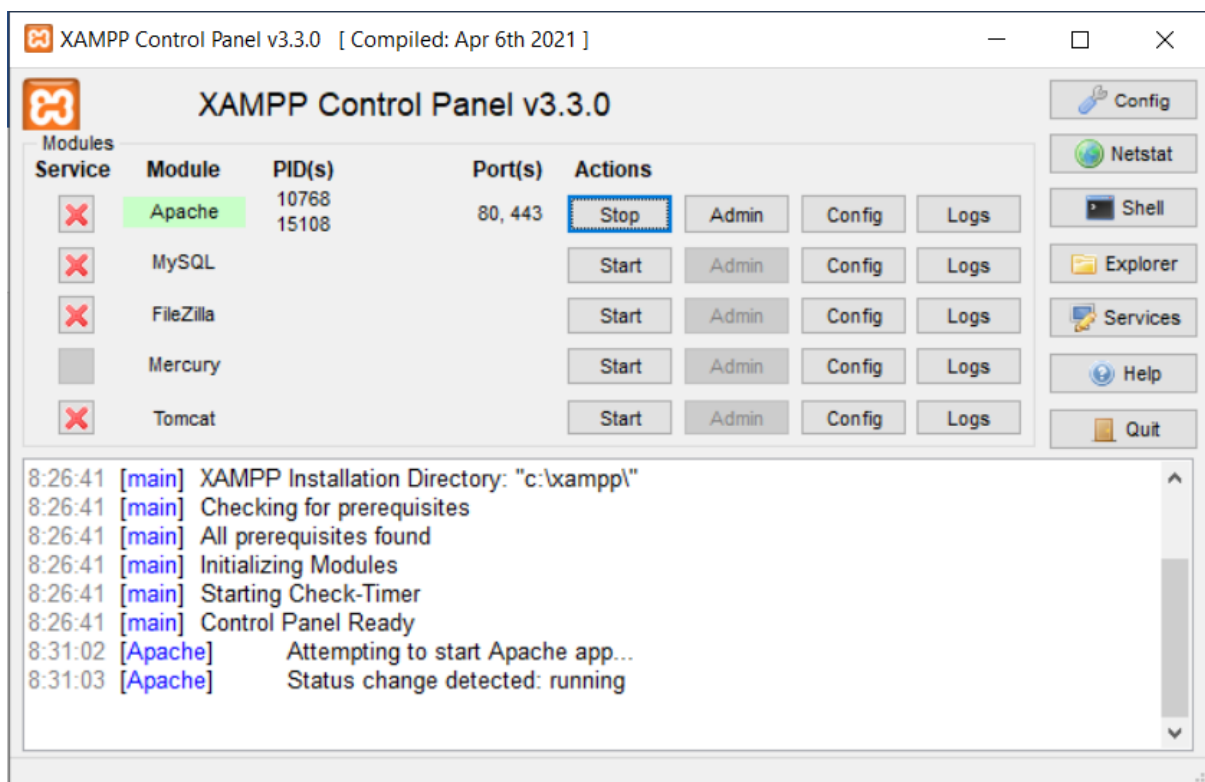


Puesto que ya había alojado webs antes en esta aplicación, se verán mas carpetas de estos mismos proyectos

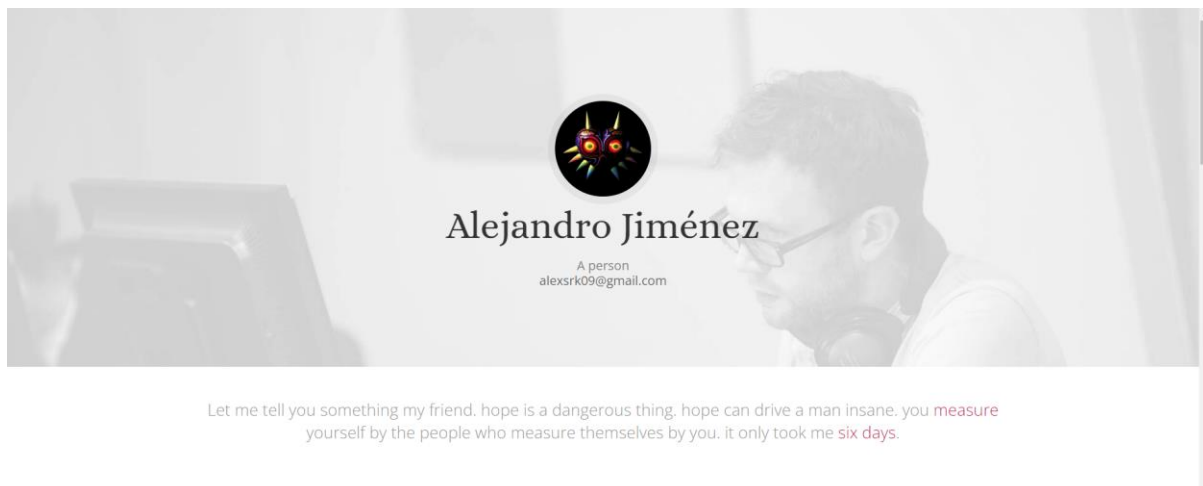


Subimos una plantilla html y la editamos para dar forma al portfolio.

Iniciamos únicamente Apache ya que el resto de funcionalidades no son necesarias.



Accedemos a localhost/portfolio en cualquier navegador para ver el resultado.



## Tarea 2: Instalación y configuración de un entorno web utilizando una máquina virtual.

Previamente nos hemos descargado Ubuntu server y hemos instalado vmWare Workstation pro. Recomiendo darle al menos 10 Gb para poder instalarlo sin errores.

Nos conectamos por ssh.

```
5. 192.168.80.128 (alex)
• MobaXterm Personal Edition v22.1 •
(SSH client, X server and network tools)

► SSH session to alex@192.168.80.128
• Direct SSH : ✓
• SSH compression : ✓
• SSH-browser : ✓
• X11-forwarding : ✓ (remote display is forwarded through SSH)

► For more info, ctrl+click on help or visit our website.

Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-47-generic x86_64)

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

System information as of mar 20 sep 2022 07:11:57 UTC

System load: 0.0947265625 Processes: 212
Usage of /: 32.7% of 8.02GB Users logged in: 1
Memory usage: 9% IPv4 address for ens33: 192.168.80.128
Swap usage: 0%

Last login: Tue Sep 20 07:06:00 2022
/usr/bin/xauth: file /home/alex/.Xauthority does not exist
alex@alex-server:~$
```

Instalamos Apache con *sudo apt install apache2*.

```
alex@alex-server:~$ sudo apt install apache2
[sudo] password for alex:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Se instalarán los siguientes paquetes adicionales:
apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
Paquetes sugeridos:
apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser bzip2-doc
Se instalarán los siguientes paquetes NUEVOS:
apache2 apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support
ssl-cert
0 actualizados, 13 nuevos se instalarán, 0 para eliminar y 20 no actualizados.
Se necesita descargar 2.138 kB de archivos.
Se utilizarán 8.501 kB de espacio de disco adicional después de esta operación.
¿Desea continuar? [S/n]
```

Modificamos el firewall con *sudo ufw app list* para ver las aplicaciones y *sudo ufw allow 'Apache'* para permitir apache. Tambien por mi parte he tenido que activarlo con *sudo ufw enable*

```
alex@alex-server:~$ sudo ufw app list
Available applications:
  Apache
  Apache Full
  Apache Secure
  OpenSSH
alex@alex-server:~$
```

```
Status: active

To Action From
--
Apache ALLOW Anywhere
Apache (v6) ALLOW Anywhere (v6)

alex@alex-server:~$
```

Continuamos instalando MySQL server con `sudo apt install mysql-server`.

```
Preconfigurando paquetes ...
Seleccionando el paquete mysql-common previamente no seleccionado.
(Leyendo la base de datos ... 74115 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar .../0-mysql-common_5.8+1.0.8_all.deb ...
Desempaquetando mysql-common (5.8+1.0.8) ...
Seleccionando el paquete mysql-client-core-8.0 previamente no seleccionado.
Preparando para desempaquetar .../1-mysql-client-core-8.0_8.0.30-0ubuntu0.22.04.1_amd64.deb ...
Desempaquetando mysql-client-core-8.0 (8.0.30-0ubuntu0.22.04.1) ...
Seleccionando el paquete mysql-client-8.0 previamente no seleccionado.
Preparando para desempaquetar .../2-mysql-client-8.0_8.0.30-0ubuntu0.22.04.1_amd64.deb ...
Desempaquetando mysql-client-8.0 (8.0.30-0ubuntu0.22.04.1) ...
Seleccionando el paquete libevent-pthreads-2.1-7:amd64 previamente no seleccionado.
Preparando para desempaquetar .../3-libevent-pthreads-2.1-7_2.1.12-stable-1build3_amd64.deb ...
Desempaquetando libevent-pthreads-2.1-7:amd64 (2.1.12-stable-1build3) ...
Seleccionando el paquete libmecab2:amd64 previamente no seleccionado.
Preparando para desempaquetar .../4-libmecab2_0.996-14build9_amd64.deb ...
Desempaquetando libmecab2:amd64 (0.996-14build9) ...
Seleccionando el paquete libprotobuf-lite23:amd64 previamente no seleccionado.
Preparando para desempaquetar .../5-libprotobuf-lite23_3.12.4-1ubuntu7_amd64.deb ...
Desempaquetando libprotobuf-lite23:amd64 (3.12.4-1ubuntu7) ...
Seleccionando el paquete mysql-server-core-8.0 previamente no seleccionado.
Preparando para desempaquetar .../6-mysql-server-core-8.0_8.0.30-0ubuntu0.22.04.1_amd64.deb ...
Desempaquetando mysql-server-core-8.0 (8.0.30-0ubuntu0.22.04.1) ...
Progress: [ 12%] [#####.....]
```

Accedemos a MySQL con permisos root con `sudo mysql`.

```
alex@alex-server:~$ sudo MySQL
sudo: MySQL: command not found
alex@alex-server:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.30-0ubuntu0.22.04.1 (Ubuntu)

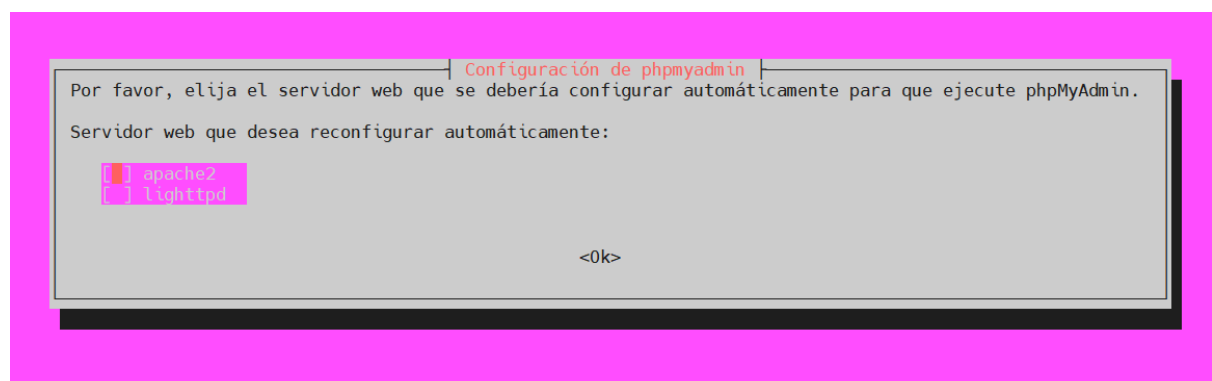
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affiliates. Other names may be trademarks of their respective
owners.


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

mysql> █
```

Para concluir con las instalaciones, instalamos phpmyadmin con `sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl`. En la primera pantalla, elegimos apache2, instalado anteriormente.



Comprobamos que Apache funcione.



# Apache2 Default Page

# Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

### Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:


```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

Actividad 3: Crear una aplicación que permita calcular el doble de un número utilizando tecnologías del lado del servidor.


Vamos a utilizar la instalación de Tomcat que nos provee xampp. Comprobamos que se levanta el servicio.

[Home](#) [Documentation](#) [Configuration](#) [Examples](#) [Wiki](#) [Mailing Lists](#) [Find Help](#)

## Apache Tomcat/8.5.78



If you're seeing this, you've successfully installed Tomcat. Congratulations!



**Recommended Reading:**

- [Security Considerations How-To](#)
- [Manager Application How-To](#)
- [Clustering/Session Replication How-To](#)

[Server Status](#)  
[Manager App](#)  
[Host Manager](#)

### Developer Quick Start

[Tomcat Setup](#)  
[First Web Application](#)

[Realms & AAA](#)  
[JDBC DataSources](#)

[Examples](#)

[Servlet Specifications](#)  
[Tomcat Versions](#)

#### Managing Tomcat

For security, access to the [manager webapp](#) is restricted. Users are defined in:

```
$CATALINA_HOME/conf/tomcat-users.xml
```

In Tomcat 8.5 access to the manager application is split between different users.  
[Read more...](#)

[Release Notes](#)  
[Changelog](#)  
[Migration Guide](#)

#### Documentation

[Tomcat 8.5 Documentation](#)  
[Tomcat 8.5 Configuration](#)  
[Tomcat Wiki](#)

Find additional important configuration information in:

```
$CATALINA_HOME/RUNNING.txt
```

Developers may be interested in:

[Tomcat 8.5 Bug Database](#)

#### Getting Help

[FAQ and Mailing Lists](#)

The following mailing lists are available:

[tomcat-announce](#)  
Important announcements, releases, security vulnerability notifications. (Low volume).

[tomcat-users](#)  
User support and discussion

[taglibs-user](#)  
User support and discussion for [Apache Taglibs](#)

[tomcat-dev](#)  
Development mailing list, including commit