

Parte 1

1. Servidor Apache (macOS)

a. Instalación

macOS incluye una versión preinstalada de Apache.

Instalar con *brew*: Ejecuta el comando ***brew install httpd*** para instalar Apache.

Para usarla, sigue estos pasos:

- Iniciar Apache: *sudo apachectl start*

b. Prueba

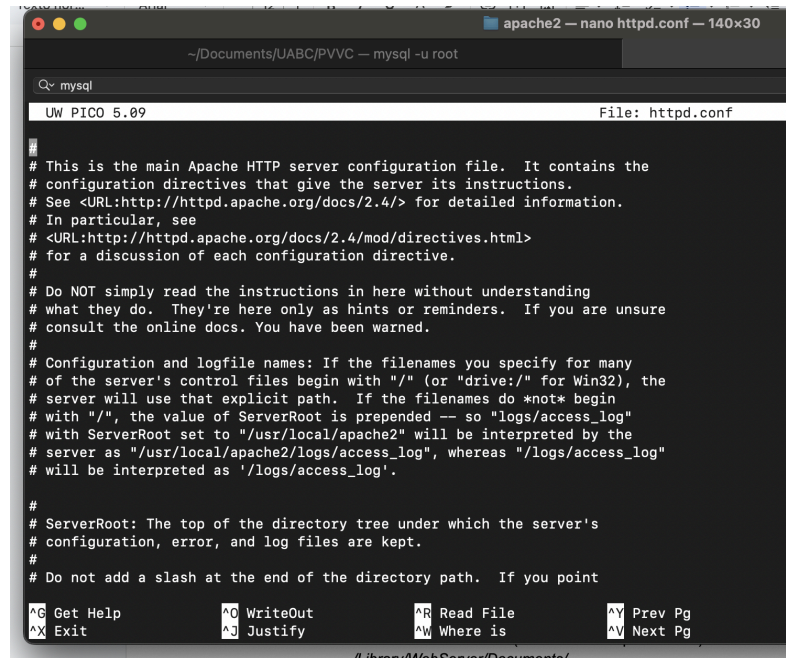
Probar accediendo a la url <http://localhost> en el navegador. Debería ver **It works!**



It works!

c. Configuración

- Archivo de configuración principal: */etc/apache2/httpd.conf*



```
# This is the main Apache HTTP server configuration file. It contains the
# configuration directives that give the server its instructions.
# See <URL:http://httpd.apache.org/docs/2.4/> for detailed information.
# In particular, see
# <URL:http://httpd.apache.org/docs/2.4/mod/directives.html>
# for a discussion of each configuration directive.
#
# Do NOT simply read the instructions in here without understanding
# what they do. They're here only as hints or reminders. If you are unsure
# consult the online docs. You have been warned.
#
# Configuration and logfile names: If the filenames you specify for many
# of the server's control files begin with "/" (or "drive://" for Win32), the
# server will use that explicit path. If the filenames do *not* begin
# with "/", the value of ServerRoot is prepended -- so "logs/access_log"
# with ServerRoot set to "/usr/local/apache2" will be interpreted by the
# server as "/usr/local/apache2/logs/access_log", whereas "/logs/access_log"
# will be interpreted as '/logs/access_log'.
#
# ServerRoot: The top of the directory tree under which the server's
# configuration, error, and log files are kept.
#
# Do not add a slash at the end of the directory path. If you point
```

- Directorio de sitios web (DocumentRoot por defecto):
/Library/WebServer/Documents/
- Logs de acceso y errores: */var/log/apache2/*

- Detener Apache: *sudo apachectl stop*
- Reiniciar Apache: *sudo apachectl restart*

2. PHP

a. Instalación

brew install php

b. Configuración

- *sudo nano /etc/apache2/httpd.conf*
- Agregar:
<FilesMatch \.php\$>
SetHandler application/x-httpd-php
</FilesMatch>
- Crear un archivo en el directorio raíz de Apache: *echo "<?php
phpinfo(); ?>" | sudo tee /Library/WebServer/Documents/info.php*

3. MySQL

a. Instalación

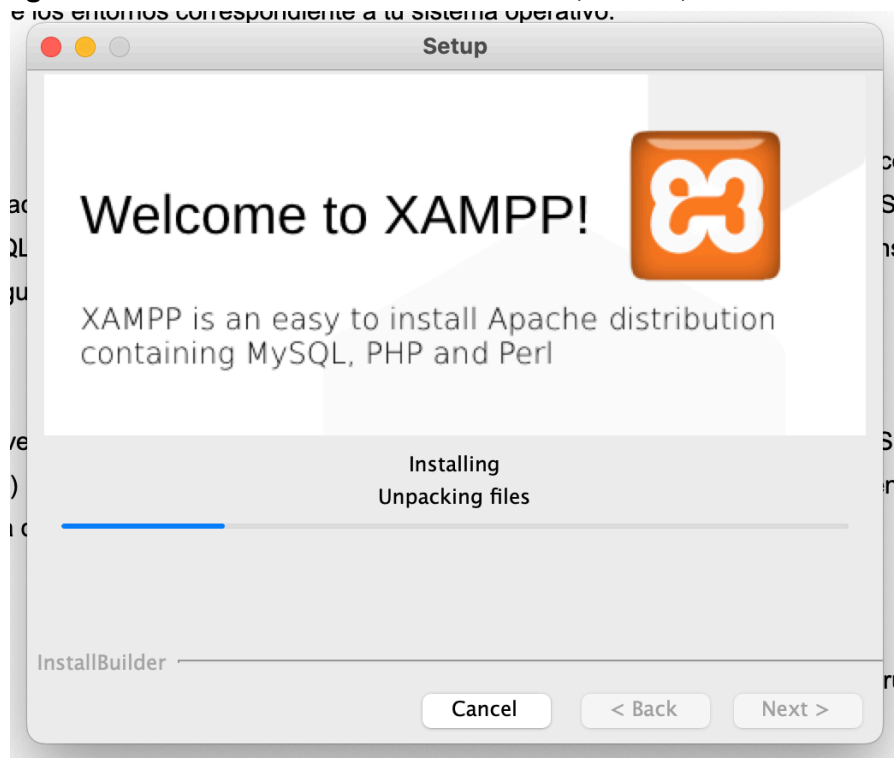
brew install mysql

b. Configuración

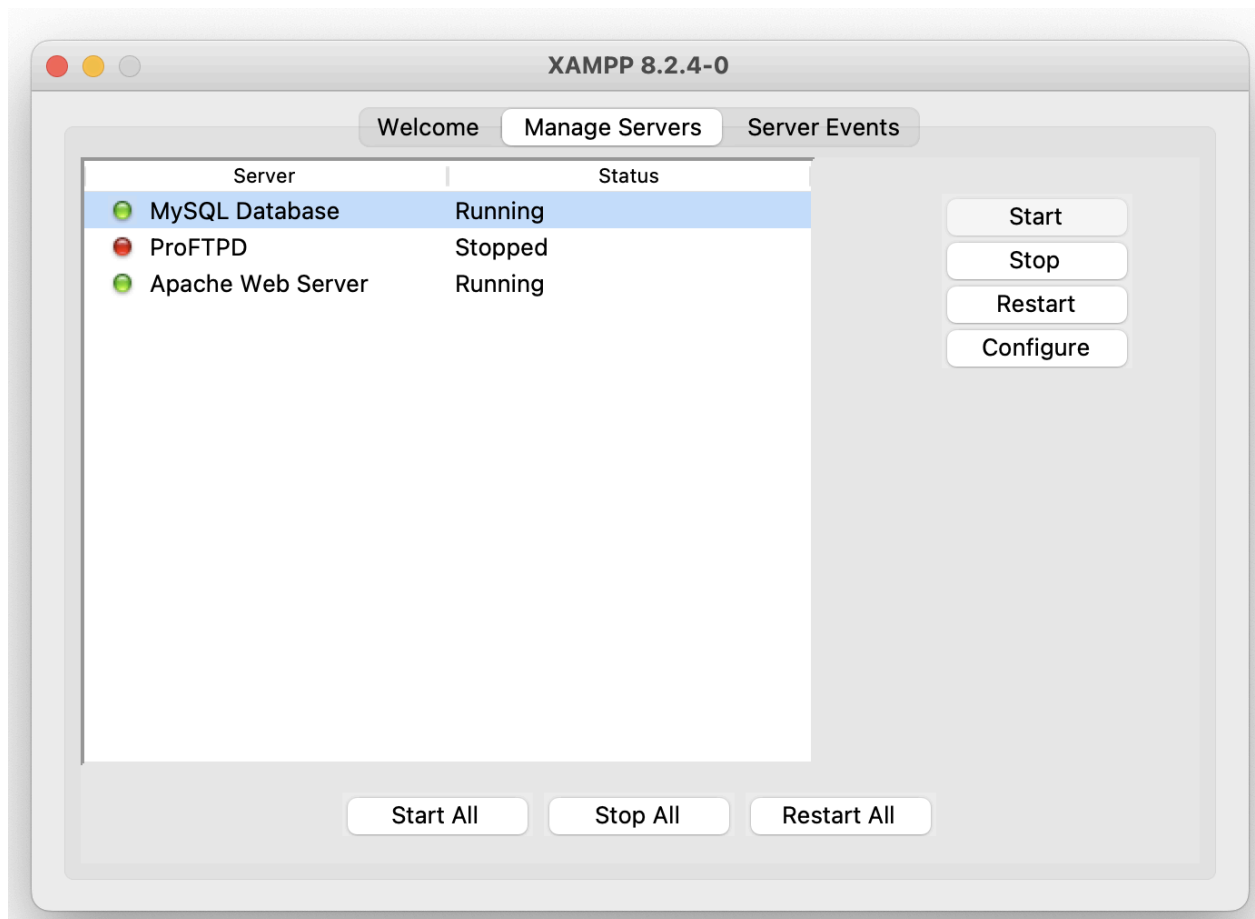
sudo nano /opt/homebrew/etc/my.cnf

Parte 2

1. Descargar un entorno de servidor local: MAMP, WAMP, LAMP o XAMPP



2. Instalación y configuración.



3. Comprueba el buen funcionamiento del servidor



Welcome to XAMPP for OS X 8.2.4

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the [FAQs](#) section or check the [HOW-TO Guides](#) for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others.

Start the XAMPP Control Panel to check the server status.

Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our [Forums](#), liking us on [Facebook](#), or following our exploits on [Twitter](#).

4. Configura php MyAdmin

Databases

Create database ?

Create

☐ Check all

	Database	Collation	Action
<input type="checkbox"/>	information_schema	utf8_general_ci	Check privileges
<input type="checkbox"/>	mysql	utf8mb4_general_ci	Check privileges
<input type="checkbox"/>	performance_schema	utf8_general_ci	Check privileges
<input type="checkbox"/>	phpmyadmin	utf8_bin	Check privileges
<input type="checkbox"/>	test	utf8mb4_general_ci	Check privileges

Total: 5

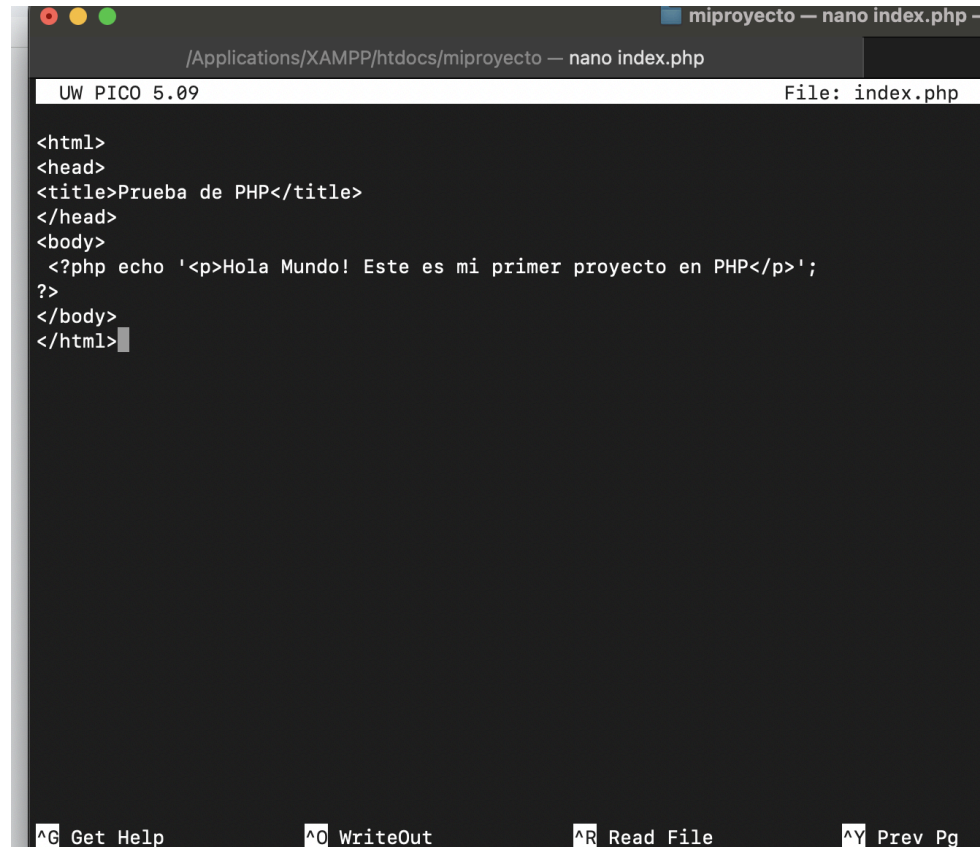
5. Configura un Proyecto PHP

```

unbound none
(base) bernardomr@Bernardos-MacBook-Air PVVC % cd /Applications/XAMPP/
(base) bernardomr@Bernardos-MacBook-Air XAMPP % ls
bin          cgi-bin      etc          htdocs      logs          manager-osx.app  uninstall.app  xamppfiles
(base) bernardomr@Bernardos-MacBook-Air XAMPP % cd htdocs
(base) bernardomr@Bernardos-MacBook-Air htdocs % ls
applications.html  dashboard      img            webalizer
bitnami.css        favicon.ico    index.php
(base) bernardomr@Bernardos-MacBook-Air htdocs % mkdir miproyecto
(base) bernardomr@Bernardos-MacBook-Air htdocs %

```

6. Crear un archivo PHP.



The screenshot shows a terminal window with the title bar "miproyecto — nano index.php". The window content shows the nano editor interface with the file "index.php" open. The code being edited is a simple HTML document with a PHP echo statement. The terminal window has a dark background and standard macOS window controls.

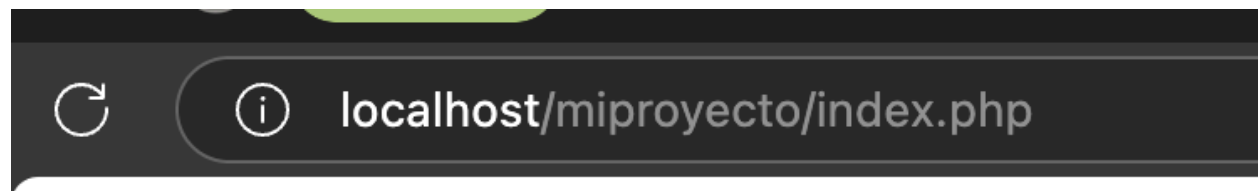
```

/Applications/XAMPP/htdocs/miproyecto — nano index.php
UW PICO 5.09                               File: index.php

<html>
<head>
<title>Prueba de PHP</title>
</head>
<body>
  <?php echo '<p>Hola Mundo! Este es mi primer proyecto en PHP</p>';
?>
</body>
</html>

```

At the bottom of the nano editor, there are keyboard shortcuts: `^G Get Help`, `^O WriteOut`, `^R Read File`, and `^Y Prev Pg`.



Hola Mundo! Este es mi primer proyecto en PHP

7. Conectar PHP con MySQL

```
index.php ×  
index.php  
1 <html>  
2 <head>  
3 <title>Prueba de PHP</title>  
4 </head>  
5 <body>  
6 <?php  
7 echo '<p>Hola Mundo! Este es mi primer proyecto en PHP</p>';  
8     $servername = "localhost";  
9     $username = "root";  
10    $password = "";  
11    $dbname = "dbprueba";  
12    // Crear conexión  
13    $conn = new mysqli($servername, $username, $password, $dbname);  
14    // Verificar conexión  
15    if ($conn->connect_error) {  
16        die("Conexión fallida: " . $conn->connect_error);  
17    }  
18    echo "Conexión exitosa a la base de datos";  
19 ?>  
20 </body>  
21 </html>  
22
```



localhost/miproyecto/index.php

Hola Mundo! Este es mi primer proyecto en PHP

Conexión exitosa a la base de datos

8. Crear un Usuario

Add user account

Login Information

User name:	Use text field ▾	<input type="text" value="newuser"/>
Host name:	Local ▾	<input type="text" value="localhost"/> ⓘ
Password:	Use text field ▾	<input type="password" value="...."/> Strength: <div><div></div></div> Extremely weak
Re-type:	<input type="password" value="...."/>	
Authentication plugin	Native MySQL authentication ▾	
Generate password:	<input type="button" value="Generate"/>	<input type="text"/>

Database for user account

- ☐ Create database with same name and grant all privileges.
- ☐ Grant all privileges on wildcard name (username_%).
- ☒ Grant all privileges on database dbprueba.

Global privileges ☒ [Check all](#)

Note: MySQL privilege names are expressed in English.

☒ Data

- ☒ SELECT
- ☒ INSERT
- ☒ UPDATE
- ☒ DELETE
- ☒ FILE

☒ Structure

- ☒ CREATE
- ☒ ALTER
- ☒ INDEX
- ☒ DROP
- ☒ CREATE TEMPORARY TABLES
- ☒ SHOW VIEW
- ☒ CREATE ROUTINE
- ☒ ALTER ROUTINE
- ☒ EXECUTE
- ☒ CREATE VIEW
- ☒ EVENT
- ☒ TRIGGER

☒ Administration

- ☒ GRANT
- ☒ SUPER
- ☒ PROCESS
- ☒ RELOAD
- ☒ SHUTDOWN
- ☒ SHOW DATABASES
- ☒ LOCK TABLES
- ☒ REFERENCES
- ☒ REPLICATION CLIENT
- ☒ REPLICATION SLAVE
- ☒ CREATE USER

Resource limits

Note: Setting these options to 0 (zero) removes the limit.

MAX QUERIES PER HOUR	<input type="text" value="0"/>
MAX UPDATES PER HOUR	<input type="text" value="0"/>
MAX CONNECTIONS PER HOUR	<input type="text" value="0"/>
MAX USER_CONNECTIONS	<input type="text" value="0"/>

SSL

- ☒ REQUIRE NONE
- ☐ REQUIRE SSL
- ☐ REQUIRE X509

■ Console

index.php ×

index.php

```
1 <html>
2 <head>
3 <title>Prueba de PHP</title>
4 </head>
5 <body>
6 <?php
7 echo '<p>Hola Mundo! Este es mi primer proyecto en PHP</p>';
8     $servername = "localhost";
9     $username = "newuser";
10    $password = "1234";
11    $dbname = "dbprueba";
12    // Crear conexión
13    $conn = new mysqli($servername, $username, $password, $dbname);
14    // Verificar conexión
15    if ($conn->connect_error) {
16        die("Conexión fallida: " . $conn->connect_error);
17    }
18    echo "Conexión exitosa a la base de datos";
19 ?>
20 </body>
21 </html>
22 |
```



localhost/miproyecto/index.php

Hola Mundo! Este es mi primer proyecto en PHP

Conexión exitosa a la base de datos