

PRACTICA.

Tema: Crear Un Servicio Webservice Soap En Php Y Consumirlo Desde Un Cliente.

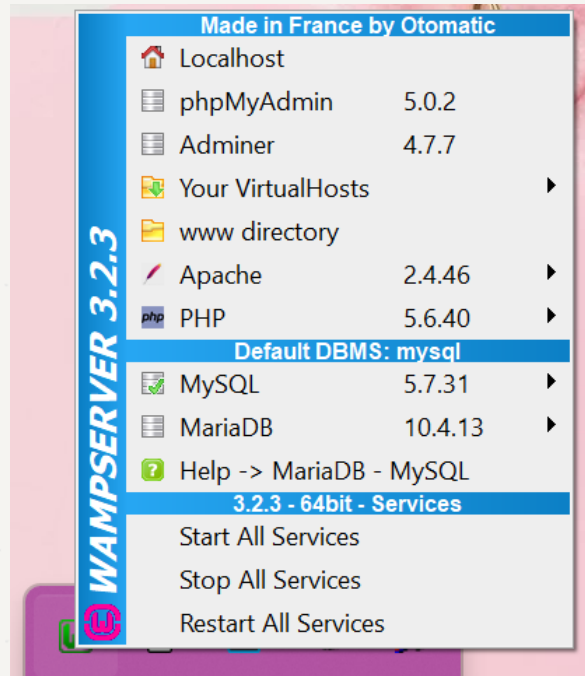
Objetivo: Probar la interoperabilidad de plataformas entre php y visualnet.

Software: Sistema Operativo Windows

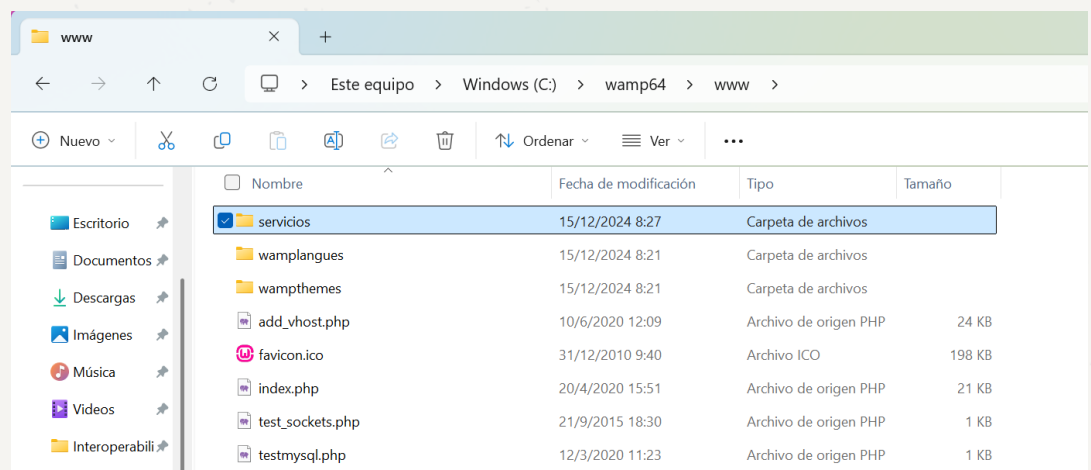
Wamp Server 3.2.3

PHP activo sobre wamp server cualquier versión inferior a 5.6.40

Instalar wampserver 3.2.3 (Muy importante en cualquier caso la versión activa de php debe se la 5.6.40 o inferior)

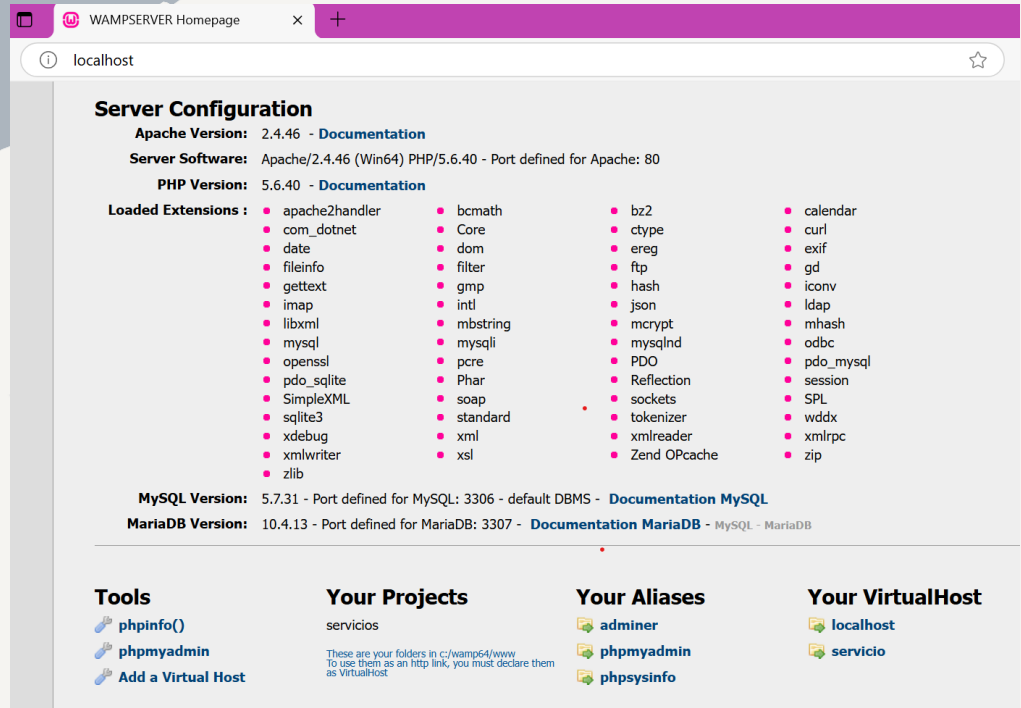


1. Iniciar los servicios (start all services)
2. Crear una carpeta servicios dentro de la carpeta de publicación del wampserver.



Si instaló wampserver 3.2.3 Ir a la carpeta wamp64 -> www y en su

interior crear una carpeta para el servidor, la llamaremos servicios



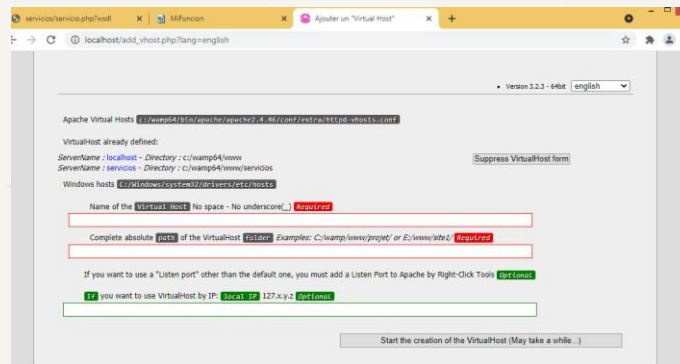
The screenshot shows the WAMP Server Configuration page in a web browser. The page title is "WAMP SERVER Homepage". The browser address bar shows "localhost". The main content area is titled "Server Configuration" and displays the following information:

- Apache Version:** 2.4.46 - [Documentation](#)
- Server Software:** Apache/2.4.46 (Win64) PHP/5.6.40 - Port defined for Apache: 80
- PHP Version:** 5.6.40 - [Documentation](#)
- Loaded Extensions:** A list of 40 extensions including apache2handler, com_dotnet, date, fileinfo, gettext, imap, libxml, mysql, openssl, pdo_sqlite, SimpleXML, sqlite3, xdebug, xmlwriter, zlib, bcmath, Core, dom, filter, gmp, intl, mbstring, mysqli, pcre, Phar, soap, standard, xml, xsl, bz2, ctype, ereg, ftp, hash, json, mcrypt, mysqlnd, PDO, Reflection, sockets, tokenizer, xmlreader, Zend OPcache, calendar, curl, exif, gd, iconv, ldap, mhash, odbc, pdo_mysql, session, SPL, wddx, xmlrpc, and zip.
- MySQL Version:** 5.7.31 - Port defined for MySQL: 3306 - default DBMS - [Documentation MySQL](#)
- MariaDB Version:** 10.4.13 - Port defined for MariaDB: 3307 - [Documentation MariaDB](#) - [MySQL - MariaDB](#)

Below the configuration section, there are four tabs: "Tools", "Your Projects", "Your Aliases", and "Your VirtualHost".

- Tools:** Includes links for [phpinfo\(\)](#), [phpmyadmin](#), and [Add a Virtual Host](#).
- Your Projects:** Shows a list of folders in c:/wamp64/www. Below the list, it says: "These are your folders in c:/wamp64/www. To use them as an http link, you must declare them as VirtualHost."
- Your Aliases:** Includes links for [adminer](#), [phpmyadmin](#), and [phpsysinfo](#).
- Your VirtualHost:** Includes a link for [localhost](#) and a link for [servicio](#).

Adicionalmente debe crear la carpeta como un virtual host

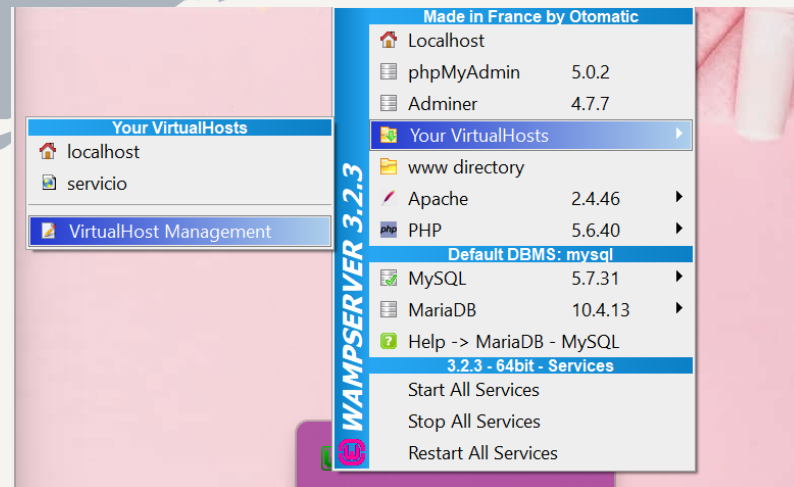


The screenshot shows the "Add a Virtual Host" form in the WAMP Server Configuration page. The form is titled "Add a Virtual Host" and has a "Version 3.2.3 - 64bit" dropdown menu. The form contains the following fields and labels:

- VirtualHost already defined:** A section showing the current configuration for the "localhost" virtual host.
- ServerName:** localhost - Directory: c:/wamp64/www
- ServerName:** servicios - Directory: c:/wamp64/www/servicios
- Windows hosts:** C:/Windows/System32/drivers/etc/hosts
- Name of the Virtual Host:** No space - No underscore - [Required](#)
- Complete absolute path of the VirtualHost:** [Required](#) Examples: C:/wamp/www/project/ or E:/www/extra/ [Required](#)
- If you want to use a "Listen port" other than the default one, you must add a Listen Port to Apache by Right-Click Tools:** [Optional](#)
- If you want to use VirtualHost by IP:** [Optional](#) 127.0.0.1 [Optional](#)

At the bottom of the form, there is a button labeled "Start the creation of the VirtualHost (May take a while...)"

Proveer el nombre y la localización de la carpeta virtual y luego reiniciar los servicios del DNS o todos los servicios.



ServerName: servicios

DocumentRoot "c:/wamp64/www/servicios"

localhost/add_vhost.php

Add a VirtualHost - Back to homepage

Version 3.2.3 - 64bit

english

Apache Virtual Hosts `c:/wamp64/bin/apache/apache2.4.46/conf/extra/httpd-vhosts.conf`

VirtualHost already defined:

ServerName : `localhost` - Directory : `c:/wamp64/www`

Windows hosts `c:/WINDOWS/system32/drivers/etc/hosts`

Name of the **Virtual Host** No space - No underscore(_) **Required**

`servicios`

Complete absolute **path** of the VirtualHost **folder** Examples: `C:/wamp/www/projet/` or `E:/www/site1/` **Required**

`c:/wamp64/www/servicios`

If you want to use a "Listen port" other than the default one, you must add a Listen Port to Apache by Right-Click Tools **Optional**

If you want to use VirtualHost by IP: `local IP` `127.x.y.z` **Optional**

Start the creation of the VirtualHost (May take a while...)

localhost/add_vhost.php

Add a VirtualHost - Back to homepage

• Version 3.2.3 - 64bit

english

The files have been modified. Virtual host servicios was created

Messages from the console to update DNS:

You may add another VirtualHost by validate "Add a VirtualHost".
However, for these new VirtualHost are taken into account by Apache, you must run item
Restart DNS
from Right-Click Tools menu of Wampmanager icon. (This can unfortunately not be done automatically)

localhost

Server Configuration

Apache Version: 2.4.46 - Documentation

Server Software: Apache/2.4.46 (Win64) PHP/5.6.40 - Port defined for Apache: 80

PHP Version: 5.6.40 - Documentation

Loaded Extensions :

- apache2handler
- com_dotnet
- date
- fileinfo
- gettext
- imap
- libxml
- mysql
- openssl
- pdo_sqlite
- SimpleXML
- sqlite3
- xdebug
- xmlwriter
- zlib
- bcmath
- Core
- dom
- filter
- gmp
- intl
- mbstring
- mysqli
- pcre
- Phar
- soap
- standard
- xml
- xsl
- bz2
- ctype
- ereg
- ftp
- hash
- json
- mcrypt
- mysqlnd
- PDO
- Reflection
- sockets
- tokenizer
- xmlreader
- Zend OPcache
- calendar
- curl
- exif
- gd
- iconv
- ldap
- mhash
- odbc
- pdo_mysql
- session
- SPL
- wddx
- xmlrpc
- zip

MySQL Version: 5.7.31 - Port defined for MySQL: 3306 - default DBMS - Documentation MySQL

MariaDB Version: 10.4.13 - Port defined for MariaDB: 3307 - Documentation MariaDB - MySQL - MariaDB

Tools

- phpinfo()
- phpmyadmin
- Add a Virtual Host

Your Projects

servicios

These are your folders in c:/wamp64/www
To use them as an http link, you must declare them
as VirtualHost

Your Aliases

adminer

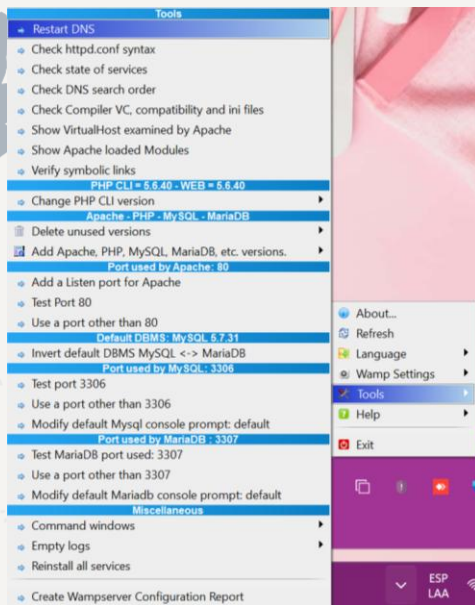
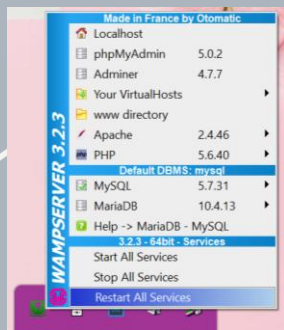
phpmyadmin

phpsysinfo

Your VirtualHost

localhost

servicios



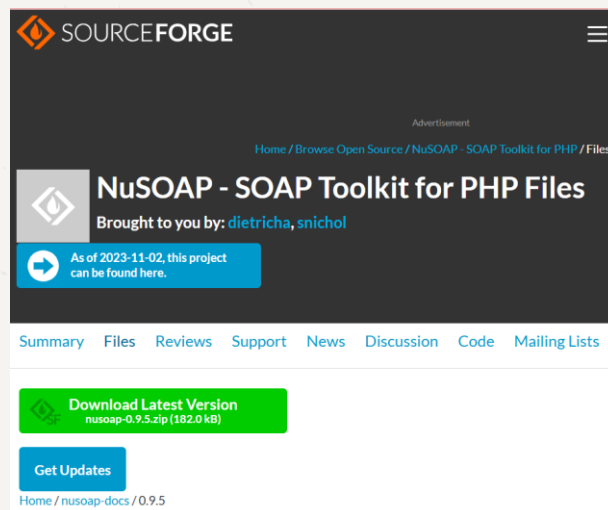
3. Ingresar a la carpeta servicios y escribir el código para el webservice en php, puede utilizar visual code o un bloc de notas si no lo tiene, el archivo se llamará servicio.php.



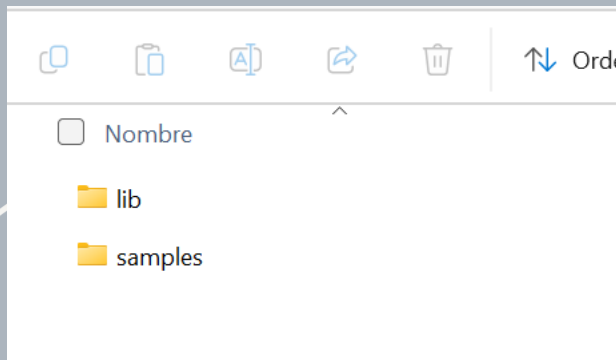
```
1 <?php
2
3 include_once 'lib/nusoap.php';
4 $servicio = new soap_server();
5
6 $ns = "urn:miserviciowsdl";
7 $servicio->configureWSDL("MiPrimerServicioWeb",$ns);
8 $servicio->schemaTargetNamespace = $ns;
9
10 $servicio->register("MiFuncion", array('num1' => 'xsd:integer', 'num2' => 'xsd:integer'), array('return' => 'xsd:string'), $ns );
11
12 function MiFuncion($num1, $num2){
13
14     $resultadoSuma = $num1 + $num2;
15     $resultado = "El resultado de la suma de " . $num1 . "+" . $num2 . " es: " . $resultadoSuma;
16     return $resultado;
17 }
18
19
20 $HTTP_RAW_POST_DATA = isset($HTTP_RAW_POST_DATA) ? $HTTP_RAW_POST_DATA : '';
21 $servicio->service($HTTP_RAW_POST_DATA);
22
23 ?>
```

4. Ir al sitio de nusoap y descargar la librería para php

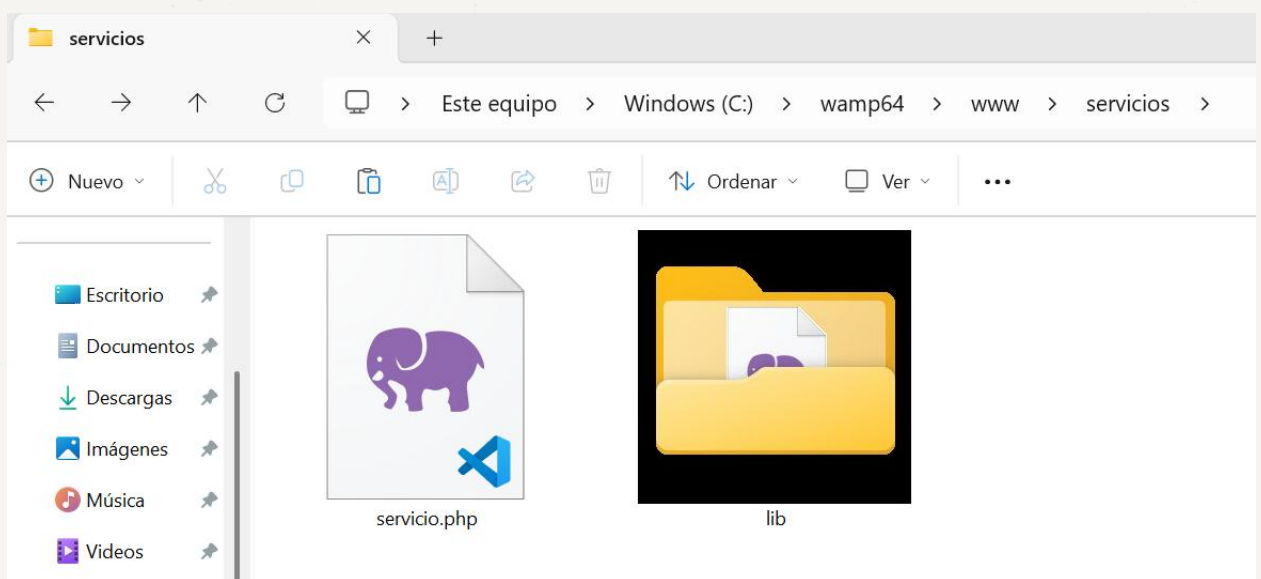
<https://sourceforge.net/projects/nusoap/files/nusoap-docs/0.9.5/>



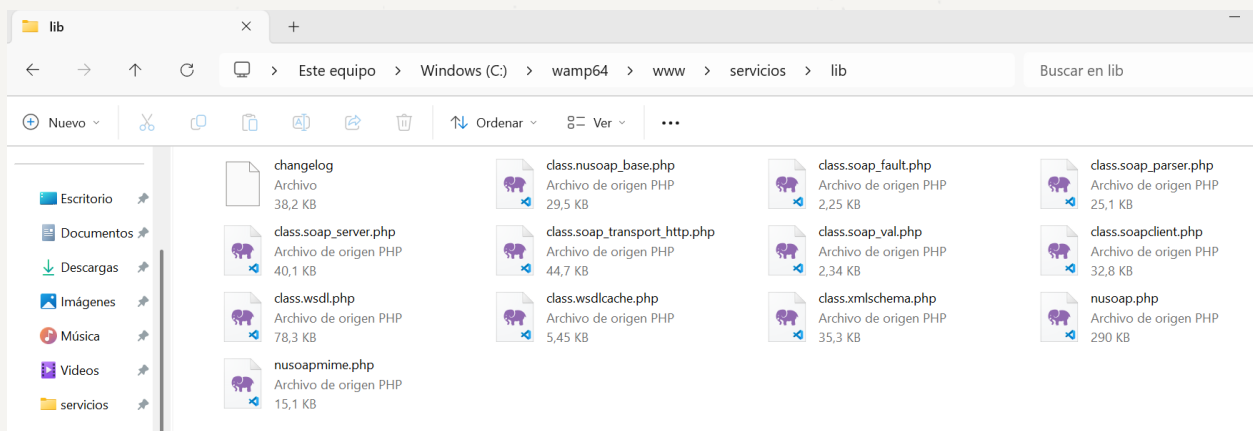
5. Descargar la versión 0.9.5, es un archivo comprimido, lo vamos a descomprimir en cualquier carpeta del disco.



6. La carpeta lib, copiar donde está el código del webservice de php.



Se puede observar que está la librería descomprimida.



7. Entonces a través de wampserver iniciar el webservice. Ir al localhost de wampserver, abrir servicios y escoger servicio.php.