

Install 64bit versions of Apache, PHP and MySQL on Windows 64bit

Currently no official **64bit** versions of **Apache** and **PHP** exists for Microsoft Windows. Only **MySQL** supports official 64bit Windows. If you have a 64bit version of Windows (2003/XP/Vista) and want to keep your system pure 64bit here is the solution! In this guide I will show you how to install and set up Apache 2.2 x64 web server, PHP 5.2 x64 and MySQL 5.0/5.1 x64 on Windows 2003/XP/Vista 64bit using **unofficial** binaries. Although this setup has been tested successfully on Windows Vista 64bit Home Premium, I am not responsible for any damages may occur to your computer by this guide. Proceed at your own risk.

Download needed software

Download unofficial binaries for **Apache x64** from blackdot.be:

<http://www.blackdot.be/?inc=apache/binaries>

Current version (September 2008): httpd-2.2.9-win64.zip

Download **PHP x64** from fusionxlan.com:

<http://www.fusionxlan.com/PHPx64.php>

Current version (September 2008): 5.2.5

Download latest official **MySQL 64bit** binaries for Windows:

<http://dev.mysql.com/downloads/mysql/>

Install Apache 64bit

Create a folder inside your C drive and named it something like apache64. Unzip the contents of the Apache zip package you previously downloaded to folder: C:/apache64.

Edit Apache configuration file C:/apache64/conf/httpd.conf and change paths to match your system.

```
ServerRoot "C:/apache64"
ServerName localhost:80
DocumentRoot "C:/apache64/htdocs"
<Directory "C:/apache64/htdocs">
DirectoryIndex index.html, index.htm, index.php
ScriptAlias /cgi-bin/ "C:/apache64/cgi-bin/"
```

If you want to set up virtual hosts uncomment (remove the "#" symbol) the line bellow and edit the hosts.conf file respectively. [Setting up virtual hosts on Windows](#).

```
#Include conf/extra/httpd-vhosts.conf
```

Uncomment the following line to load extension **mod_rewrite** needed by [Elxis SEO PRO](#). Also uncomment any other lines you wish to load the corresponding Apache extensions.

```
LoadModule rewrite_module modules/mod_rewrite.so
```

Open the Windows command prompt (Start -> Run/Search -> cmd) and navigate to folder C:/apache64 (CD C:\apache64). Execute the following commands:

```
bin\httpd.exe -k install
```

```
bin\httpd.exe -k start
```

Your Apache should work. Open bin folder and double click the **ApacheMonitor.exe** file. An icon will be displayed in your Windows taskbar. From there you can start/stop/restart Apache easily. We set the Document root to C:/apache64/htdocs, so this is the folder where you should put your web files (Elxis CMS for example). Open your browser and go to <http://localhost/> to ensure Apache runs.

Install PHP 64bit

Create a folder inside your C drive and named it "php". Unzip the contents of the PHP zip package you

previously downloaded and copy the contents of the "php-5.2.5 (x64)" (or what ever version you downloaded) to folder: C:/php. We will install PHP as an Apache module. Open your Apache configuration file (C:/apache64/conf/httpd.conf) to tell apache to load the PHP module. Under the existing LoadModule directives add the following:

```
LoadModule php5_module "C:/php/php5apache2_2.dll"  
AddType application/x-httpd-php .php
```

Also add these lines to tell Apache where PHP is located:

```
# configure the path to php.ini  
PHPIniDir "C:/php"
```

Copy the following files to your Windows system folder (C:/Windows/system32):

```
C:/php/php5ts.dll  
C:/php/php5isapi.dll  
C:/php/php5apache2_2.dll  
C:/php/ext/php_mysql.dll
```

Copy php.ini-dist to the same folder and rename it as **php.ini**. Open this file to edit PHP configuration parameters.

```
extension_dir = "C:/php/ext/"
```

```
allow_url_fopen = Off
```

Load at least the following PHP extensions by removing the "#" symbol in front of each line:

```
extension=php_gd2.dll
```

```
extension=php_mysql.dll
```

```
extension=php_oci8.dll (if you have Oracle database installed)
```

```
extension=php_pgsql.dll (if you have postgre database installed)
```

```
extension=php_zip.dll
```

Set sendmail from e-mail address:

```
sendmail_from = me@example.com
```

Some settings for MySQL:

```
mysql.default_port = 3306
```

```
mysql.default_host = localhost
```

Set the **session save path** to a writable (by anyone) folder in your computer. You can set this to any existing path you wish (For example C:/tmp).

```
session.save_path = "C:/tmp"
```

Restart Apache to test if your PHP is working properly.

Install MySQL 64bit

This is the easiest part of the overall procedure as we have downloaded an official 64bit msi package from MySQL. Just double click it to run the installer. Install MySQL as a service.

Finish

Unless I forgotten something :-) your system is ready. You have a pure 64bit WAMP system, congratulations! You can now copy [Elxis](#) at C:/apache64/htdocs and run the Elxis installation wizard. If you wish to set up virtual hosts follow this guide: [Setting up virtual hosts on Windows](#).

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September 12, 2008*

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