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7 Steps to make SQL Server and Codeigniter Works


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Who are tried to connect Codeigniter with SQL Servers knows the suffering and the time invested to achieve this goal (or at least for me). Here is the steps that I follow, I hope that works for you!

1. Download and execute the Microsoft Drivers 3.0 for PHP for SQL Server (<http://www.microsoft.com/en-us/download/details.aspx?id=20098>). These is not a installer, just a EXE utility to uncompress the drivers for PHP.
2. Download and install the SQL Client for SQL Server 2012 (for 64 bits here: <http://go.microsoft.com/fwlink/?LinkId=239648>, for 32 bits here: <http://go.microsoft.com/fwlink/?LinkId=239647>)
3. Verify what is your version of PHP (Thread Safe or Non – Thread Safe). How to do that? Create a new PHP file with the following content:
Execute the script and verify the row with the name *Thread Safety*. If says “enabled” your PHP Installation is Thread Safe (TS), if have other value is Non Thread Safe (NTS).

Extension Build	
Debug Build	no
Thread Safety	enabled
Zend Signal Handling	disabled
Zend	enabled

4. Go to the folder where uncompress the Drivers 3.0, and select the version corresponding to. In my case, is PHP 5.4 Thread Safe TS, but this choice varies according to your PHP version.

 php_pdo_sqlsrv_53_nts.dll	28/08/2012 1:15 p....	Extensi
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 php_sqlsrv_54_ts.dll	28/08/2012 1:15 p....	Extensi
 SQLSRV_Help.chm	21/03/2012 2:15 p....	Archivi
 SQLSRV_License.rtf	29/08/2012 3:00 p....	Format
 SQLSRV_Readme.htm	21/03/2012 2:15 p....	Archivi
 SQLSRV_ThirdPartyNotices.rtf	06/09/2012 11:45 a...	Format

Copy these file and put on the folder of the extensions of PHP (generally is in PHP_INSTALLATION_FOLDER/ext)

5. Modify the php.ini file (generally located in PHP_INSTALLATION_FOLDER), and find the following word: *extension=*. Here you will find all the extensions enabled by default in PHP, and you only need to add the namefile of the extension you previously put on ext folder.

```

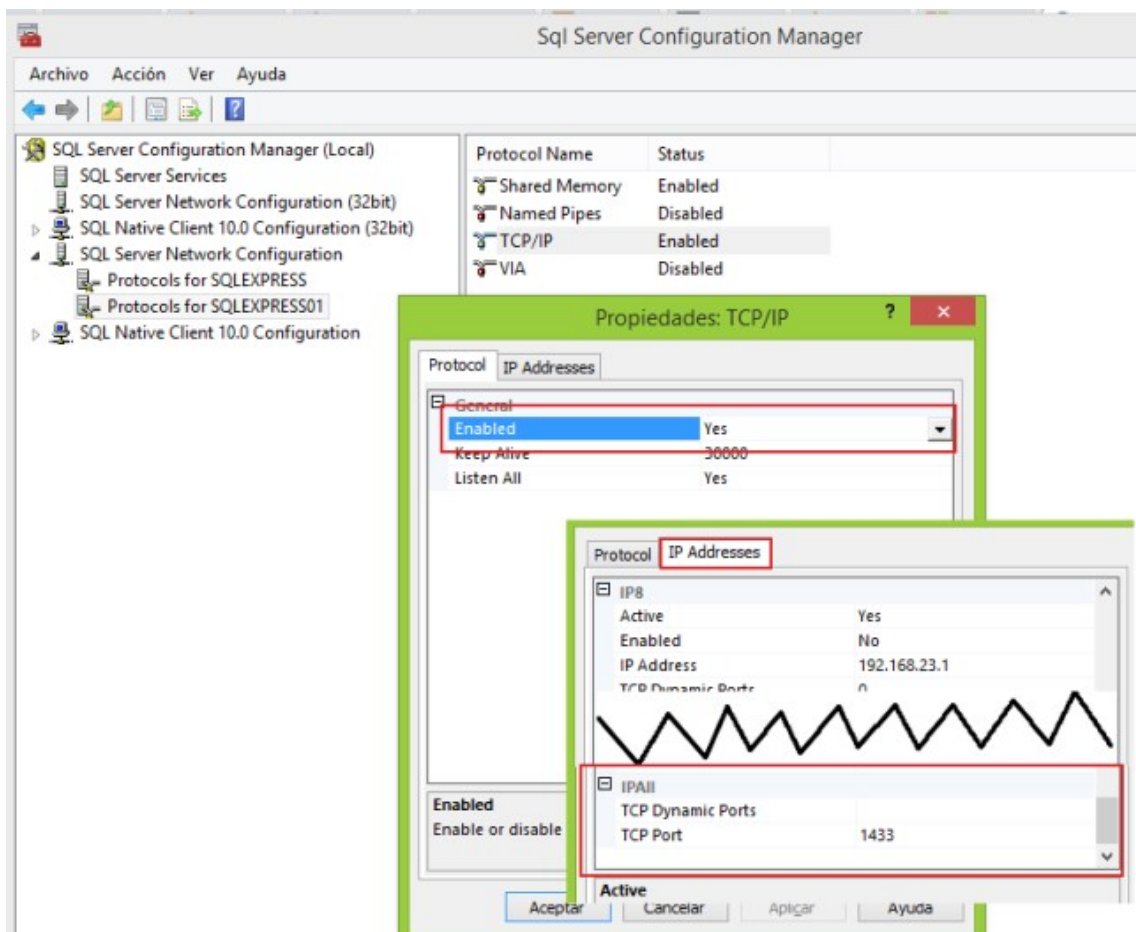
1029 ;extension=php_sybase_ct.dll
1030 ;extension=php_tidy.dll
1031 extension=php_xmlrpc.dll
1032 extension=php_xsl.dll
1033 extension=php_sqlsrv_54_ts.dll
1034

```

Close and save changes, and restart the Apache / PHP service.

6. Enable the SQL Server to listen on specific ports. Go to the machine where SQL Server is installed, press keys *Win + R*, and typing the following: *SQLServerManager10.msc* (this could change, if you have SQL Server 2012 type “*SQLServerManager11.msc*”). These command open the *SQL Configuration Manager*. Go to *SQL Server Network Configuration* option, *Protocols for ‘instance name’*, and double click on *TCP/IP* option.

On the Protocol tab, row Enabled, select yes option, and in IP Address tab go to IPALL option, and in the row *TCP Dynamic Ports* make it blank and in the row *TCP Port* inputs whenever port you like (the standard is 1433)



Click on Ok, and restart the SQL Server service.

7. Go to Codeigniter, and in the *database.php* file do the following:

```
1 <?php

2 $db['default']['hostname'] = "127.0.0.1";

3 $db['default']['port'] = 1433;

4 $db['default']['username'] = 'test2';

5 $db['default']['password'] = 'test2';

6 $db['default']['database'] = 'contactos';

7 $db['default']['dbdriver'] = 'sqlsrv';

8 $db['default']['dbprefix'] = '';

9 $db['default']['pconnect'] = FALSE;

10 $db['default']['db_debug'] = TRUE;

11 $db['default']['cache_on'] = FALSE;

12 $db['default']['cachedir'] = '';

13 $db['default']['char_set'] = 'utf8';

14 $db['default']['dbcollat'] =
```

```
15'utf8_general_ci';
```

```
16$db['default']['swap_pre'] = '';
```

```
17$db['default']['autoinit'] = TRUE;
```

```
18$db['default']['stricton'] = FALSE;
```

8. Congratulations! Now you can make any models and queries, and it should work