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PHP to SQL Server Database access

To access data in a SQL Server Database using the Microsoft Drivers for PHP for SQL Server, you must have the following components installed on your computer:

- PHP is required. For information about how to download and install the latest stable binaries, see <http://php.net>. The Microsoft Drivers for PHP for SQL Server require the following versions:

Microsoft Drivers for PHP for SQL Server Version	Supported PHP Versions
4.0	PHP 7.0
3.2	PHP 5.6.4+ or PHP 5.5.16+ or
3.1	PHP 5.4.32 PHP 5.5.16+ or
3.0	PHP 5.4.32 PHP 5.4.32 or
2.0	PHP 5.3.0 PHP 5.3.0 or PHP 5.2.4 or PHP 5.2.13

- A version of the driver file must be in your PHP extension directory. See Driver Versions later in this topic for information about the different driver files. To download the drivers, see [Microsoft Drivers for PHP for SQL Server](#).
- A Web server is required. Your Web server must be configured to run PHP.

The Microsoft Drivers for PHP for SQL Server has been tested using IIS 6 and IIS 7 with FastCGI.

- The correct version of the Microsoft ODBC Driver for SQL Server or SQL Server Native Client is required on the computer where PHP is running. Note that if you are using a 64-bit operating system, the x86 version will be installed with the x64 installer (do not use the x86 version of the installer unless you are using a 32-bit operating system).

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Microsoft Drivers for PHP for SQL Server Version 4.0	Version of Microsoft ODBC Driver for SQL Server or SQL Server Native Client Microsoft ODBC Driver 11 for SQL Server or Microsoft ODBC Driver 13 for SQL Server. To download the x64 package for 64-bit operating systems, or x86 package for 32-bit operating systems, see the Microsoft ODBC Driver 11 for SQL Server page or Microsoft ODBC Driver 13 for SQL Server page
3.2 or 3.1	Microsoft ODBC Driver 11 for SQL Server. To download the x64 package for 64-bit operating systems, or x86 package for 32-bit operating systems, see the Microsoft ODBC Driver 11 for SQL Server page
3.0	Microsoft SQL Server 2012 Native Client. You can download Microsoft SQL Server 2012 Native Client from the SQL Server 2012 feature pack page
2.0	Microsoft SQL Server 2008 R2 Native Client: Download the X86 package for 32-bit operating systems Download the X64 package for 64-bit operating systems

If you are using the SQLSRV driver, [sqlsrv_client_info](#) will return information about which version of SQL Server Native Client or Microsoft ODBC Driver for SQL Server is being used by the Microsoft Drivers for PHP for SQL Server. If you are using the PDO_SQLSRV driver, you can use [PDO::getAttribute](#) to discover the version.

[Database Versions](#)

- Microsoft Drivers for PHP for SQL Server version 3.1 and later support SQL Server 2008 and later

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- Microsoft Drivers for PHP for SQL Server version 2.0 and 3.0 support SQL Server 2005 and later

[Driver Versions](#)

This section lists the drivers that are included with each version of the Microsoft Drivers for PHP for SQL Server.

• Microsoft Drivers 4.0 for PHP for SQL Server:

On Windows, for 4.0 the following versions of the driver are installed:

Driver file	PHP version	Thread safe?	Use with PHP .dll
php_sqlsrv_7_nts_x86.dll	7.0	no	32-bit php7.dll
php_pdo_sqlsrv_7_nts_x86.dll	7.0	yes	32-bit php7ts.dll
php_pdo_sqlsrv_7_ts_x86.dll	7.0	no	64-bit php7.dll
php_pdo_sqlsrv_7_nts_x64.dll	7.0	yes	64-bit php7ts.dll
php_pdo_sqlsrv_7_ts_x64.dll			

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On the supported versions of Linux, the appropriate version of sqlsrv and/or pdo_sqlsrv can be installed using PHP's PECL package system.

- **Microsoft Drivers 3.2 for PHP for SQL Server installs the following versions of the driver:**

Driver file	PHP version	Thread safe?	Use with PHP .dll
php_sqlsrv_54_nts.dll	5.4	no	php5.dll
php_pdo_sqlsrv_54_nts.dll			
php_sqlsrv_54_ts.dll	5.4	yes	php5ts.dll
php_pdo_sqlsrv_54_ts.dll			
php_sqlsrv_55_nts.dll	5.5	no	php5.dll
php_pdo_sqlsrv_55_nts.dll			
php_sqlsrv_55_ts.dll	5.5	yes	php5ts.dll
php_pdo_sqlsrv_55_ts.dll			
php_sqlsrv_56_nts.dll	5.6	no	php5.dll
php_pdo_sqlsrv_56_nts.dll			
php_sqlsrv_56_ts.dll	5.6	yes	php5ts.dll
php_pdo_sqlsrv_56_ts.dll			

- **Microsoft Drivers 3.1 for PHP for SQL Server installs the following versions of the driver:**

Driver file	PHP version	Thread safe?	Use with PHP .dll
php_sqlsrv_54_nts.dll	5.4	no	php5.dll

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Driver file	PHP version	Thread safe?	Use with PHP .dll
php_pdo_sqlsrv_54_nts.dll php_sqlsrv_54_ts.dll	5.4	yes	php5ts.dll
php_pdo_sqlsrv_54_ts.dll php_sqlsrv_55_nts.dll	5.5	no	php5.dll
php_pdo_sqlsrv_55_nts.dll php_sqlsrv_55_ts.dll	5.5	yes	php5ts.dll
php_pdo_sqlsrv_55_ts.dll			

- **Microsoft Drivers 3.0 for PHP for SQL Server installs the following versions of the driver:**

Driver file	PHP version	Thread safe?	Use with PHP .dll
php_sqlsrv_53_nts.dll	5.3	no	php5.dll
php_pdo_sqlsrv_53_nts.dll php_sqlsrv_53_ts.dll	5.3	yes	php5ts.dll
php_pdo_sqlsrv_53_ts.dll php_sqlsrv_54_nts.dll	5.4	no	php5.dll
php_pdo_sqlsrv_54_nts.dll php_sqlsrv_54_ts.dll	5.4	yes	php5ts.dll
php_pdo_sqlsrv_54_ts.dll			

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- **Microsoft Drivers 2.0 for PHP for SQL Server installs the following versions of the driver:**

Driver file	PHP version	Thread safe?	Use with PHP .dll
php_sqlsrv_53_nts_vc6.dll	5.3	no	php5.dll
php_pdo_sqlsrv_53_nts_vc6.dll			
php_sqlsrv_53_nts_vc9.dll	5.3	no	php5.dll
php_pdo_sqlsrv_53_nts_vc9.dll			
php_sqlsrv_53_ts_vc6.dll	5.3	yes	php5ts.dll
php_pdo_sqlsrv_53_ts_vc6.dll			
php_sqlsrv_53_ts_vc9.dll	5.3	yes	php5ts.dll
php_pdo_sqlsrv_53_ts_vc9.dll			
php_sqlsrv_52_nts_vc6.dll	5.2	no	php5.dll
php_pdo_sqlsrv_52_nts_vc6.dll			
php_sqlsrv_52_ts_vc6.dll	5.2	yes	php5ts.dll
php_pdo_sqlsrv_52_ts_vc6.dll			

If the name of the driver file contains "vc9", it should be used with a PHP version compiled with Visual C++ 9.0.

[Operating Systems](#)

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Supported operating systems for the versions of the driver are as follows:

- 4.0 (for Windows):
 - Windows Server 2008 SP2
 - Windows Server 2008 R2 SP1
 - Windows Server 2012
 - Windows Server 2012 R2
 - Windows Vista SP2
 - Windows 7 SP1
 - Windows 8
 - Windows 8.1
 - Windows 10
- 4.0 (for Linux):
 - Ubuntu 15.04 (64-bit)
 - Ubuntu 16.04 (64-bit)
 - Red Hat Enterprise Linux 7 (64-bit)
- 3.2 and 3.1 :
 - Windows Server 2008 R2 SP1
 - Windows Vista SP2
 - Windows Server 2008 SP2
 - Windows 7 SP1
 - Windows Server 2012
 - Windows Server 2012 R2
 - Windows 8
 - Windows 8.1
- 3.0 :
 - Windows Server 2008 R2 SP1
 - Windows Vista SP2
 - Windows Server 2008 SP2
 - Windows 7 SP1
- 2.0:
 - Windows Server 2003 Service Pack 1
 - Windows XP Service Pack 3
 - Windows Vista Service Pack 1 or later
 - Windows Server 2008
 - Windows Server 2008 R2
 - Windows 7

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