



















# How to Connect PHP with SQLServer

## 1. Check php info

| PHP Version 8.1.10  |  |
|---|--|
|  |  |
| System  | Windows NT DESKTOP-N2K7HS8 10.0 build 22631 (Windows 11) AMD64   |
| Build Date  | Aug 30 2022 18:02:43   |
| Build System  | Microsoft Windows Server 2019 Datacenter [10.0.17763]  |
| Compiler  | Visual C++ 2019  |
| Architecture  | x64  |
| Configure Command   | cmdscript /nologo /e:jscrip configure.js "--enable-snapshot-build" "--enable-debug-pack" "--with-pdo-oci=.\..\..\instantclient\sdk,shared" "--with-oci8-19=.\..\..\instantclient\sdk,shared" "--enable-object-out-dir=.\obj/" "--enable-com-dotnet=shared" "--without-analyzer" "--with-pgo" |
| Server API  | Apache 2.0 Handler   |
| Virtual Directory Support   | enabled  |
| Configuration File (php.ini) Path   | no value   |
| Loaded Configuration File   | C:\laragon\bin\php\php-8.1.10-Win32-vs16-x64\php.ini   |
| Scan this dir for additional .ini files   | (none)   |
| Additional .ini files parsed  | (none)   |
| PHP API   | 20210902   |
| PHP Extension   | 20210902   |
| Zend Extension  | 420210902  |
| Zend Extension Build  | API420210902,TS,VS16   |
| PHP Extension Build   | API20210902,TS,VS16  |
| Debug Build   | no   |
| Thread Safety   | enabled  |
| Thread API  | Windows Threads  |
| Zend Signal Handling  | disabled   |
| Zend Memory Manager   | enabled  |
| Zend Multibyte Support  | provided by mbstring   |
| IPv6 Support  | enabled  |

- Download file dll <https://learn.microsoft.com/en-us/sql/connect/php/download-drivers-php-sql-server?view=sql-server-ver15> and search version which is suitable to PHP version in your computer.
- Then copy and paste 2 files as in the example below

|   |                               |                       |        |    |        |     |                    |
|---|-------------------------------|-----------------------|--------|----|--------|-----|--------------------|
|  | php_pdo_sqlsrv_81_nts_x64.dll | Application extension | 103 KB | No | 317 KB | 68% | 6/14/2022 10:07 PM |
|  | php_pdo_sqlsrv_81_nts_x86.dll | Application extension | 92 KB  | No | 280 KB | 68% | 6/14/2022 10:07 PM |
|  | php_pdo_sqlsrv_81_ts_x64.dll  | Application extension | 104 KB | No | 320 KB | 68% | 6/14/2022 10:07 PM |
|  | php_pdo_sqlsrv_81_ts_x86.dll  | Application extension | 92 KB  | No | 282 KB | 68% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_74_nts_x64.dll     | Application extension | 111 KB | No | 354 KB | 69% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_74_nts_x86.dll     | Application extension | 93 KB  | No | 285 KB | 68% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_74_ts_x64.dll      | Application extension | 112 KB | No | 359 KB | 69% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_74_ts_x86.dll      | Application extension | 93 KB  | No | 289 KB | 68% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_80_nts_x64.dll     | Application extension | 107 KB | No | 334 KB | 69% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_80_nts_x86.dll     | Application extension | 94 KB  | No | 288 KB | 68% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_80_ts_x64.dll      | Application extension | 108 KB | No | 340 KB | 69% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_80_ts_x86.dll      | Application extension | 95 KB  | No | 293 KB | 68% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_81_nts_x64.dll     | Application extension | 107 KB | No | 335 KB | 69% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_81_nts_x86.dll     | Application extension | 94 KB  | No | 288 KB | 68% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_81_ts_x64.dll      | Application extension | 109 KB | No | 342 KB | 69% | 6/14/2022 10:07 PM |
|  | php_sqlsrv_81_ts_x86.dll      | Application extension | 95 KB  | No | 293 KB | 68% | 6/14/2022 10:07 PM |
|  | release.txt                   | Text Document         | 1 KB   | No | 4 KB   | 70% | 6/14/2022 10:05 PM |

And move it to the C:\laragon\bin\php\php-8.1.10-Win32-vs16-x64\ext folder

- Then open the php.ini file and add 2 lines as below

```
943 ;extension=sqlsrv
944 extension=php_pdo_sqlsrv_81_ts_x64.dll
945 extension=php_sqlsrv_81_ts_x64.dll
```

Then saved the php.ini

- Restart the laragon, reopened the php info.

#### pcre

|  |                                       |
|--|---------------------------------------|
| PCRE (Perl Compatible Regular Expressions) Support | enabled                               |
| PCRE Library Version                               | 10.39 2021-10-29                      |
| PCRE Unicode Version                               | 14.0.0                                |
| PCRE JIT Support                                   | enabled                               |
| PCRE JIT Target                                    | x86 64bit (little endian + unaligned) |

| Directive            | Local Value | Master Value |
|----------------------|-------------|--------------|
| pcre.backtrack_limit | 1000000     | 1000000      |
| pcre.jit             | 1           | 1            |
| pcre.recursion_limit | 100000      | 100000       |

#### PDO

|             |               |
|-------------|---------------|
| PDO support | enabled       |
| PDO drivers | mysql, sqlsrv |

#### pdo\_mysql

|                      |                |
|----------------------|----------------|
| PDO Driver for MySQL | enabled        |
| Client API version   | mysqlnd 8.1.10 |

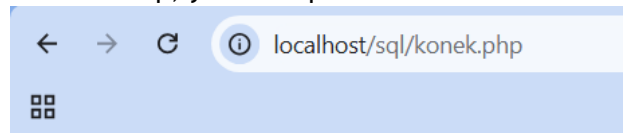
#### pdo\_sqlsrv

In PDO has "sqlsrv" appear, it indicates that it can be connected to the sql server.

- The next step is to make code for the connection with the sql server

```
1. <?php
2. $host      = "DESKTOP-N2K7HS8\SQLDEVELOPERS"; //nama
   server\nama_instance
3. $connInfo = array("Database" => "TSQL", "UID" => "", "PWD" => "");
4. $conn     = sqlsrv_connect($host, $connInfo);
5.
6. if ($conn) {
7.     echo "Koneksi berhasil.<br />";
8. } else {
9.     echo "Koneksi Gagal";
10.    die(print_r(sqlsrv_errors(), true));
11. }
12.
```

- The last step, you can open the file whether it is connected or not.



Koneksi berhasil.