# VS Code with Xdebug by PHP Debug Extension

## Enable stepwise debugging in Visual Studio Code IDE

This tip is made using a windws machine. You can read this guide, it tells you how to do it on other OS.

<https://rohit-shirke.medium.com/do-you-xdebug-your-php-code-da9f25e2298d>

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| Check if Xdebug is installed in your system  Run the phpinfo() function and check the output  If there is a Xdebug section, the apache server are running what is neccesary to support the VS Code extension PHP Debug |  |
| In this case we are on a windows machine so it needs a windows dll to work.  Look for the path of your php.ini, then check the folder ‘ext’ on the same level. Inside this folder we should find a file containing the librabry  TEST:  Tamper with the name  Restart apache  Run phpino() and see, now there is no Xdebug section | C:\xampp\php\ext |

If this is not in place, you will never get it to work.

Read more starting with installing Xdebug in VS Code.

If Xdebug is not installed

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| In VS Code Extensions, you will need to install the  <https://xdebug.org/>  The site of the Xdebug mentions witch features the extension adds to your IDE:   * PHP Step Debugging * Improvements to PHP's error reporting * Tracing * Profiling * Code Coverage AnalysisPackage.   Some of the features require more configuration than we will work with in this tip. |  |
| Under the Details description of the extension you will find the Installation instructions  Pay attention to what is written under 1).  You should make a php script which calls phpinfo(). |  |
| When you execute the script, you should copy the entire part of the output |  |
| Then you open the page:  <https://xdebug.org/wizard>  There you will find a large textarea, paste the output into this  Then you paste the output into the site |  |
| At the end you will see an output like this  The button ‘Analyze my phpinfo() output’ starts the computing of your input |  |

The output is easy to understand and first thing mentioned is if Xdebug is installed or not

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| Xdebug is installed | Xdebug is not installed |
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# The php.ini file

Your php.ini file should be added the Xdebug configuration.

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| Presently my php.ini has these entries reffering to Xdebug | And this is the output of phpinfo(). Only step debugger is enabled |
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