

Enabling PHPUnit Support

IntelliJ IDEA supports unit testing of PHP applications through integration with the [PHPUnit](#) tool.

You can use PHPUnit in IntelliJ IDEA in the following ways:

- Install PHPUnit and run it from *PEAR* that is configured as include path. The advantage of this approach is that once installed, PHPUnit can be re-used in other IntelliJ IDEA projects.
The PHPUnit installation procedure depends on the operating system you use and your system settings. Please, refer to the [PHPUnit installation instructions](#) for information on installing and configuring this tool.
- Install PHPUnit using the [Composer Dependency Manager](#) and run this instance.
- Without installing PHPUnit. Just run it from the `phpunit.phar` archive.

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Configuring the PEAR folder with PHPUnit as an include path

The PHPUnit installation procedure depends on the operating system you use and your system settings. Please, refer to the [PHPUnit installation instructions](#) for information on installing and configuring this tool.

1. [Open the Project Settings](#), and click **PHP**. The [PHP](#) page opens.
2. From the **Interpreter** drop-down list, choose the [PHP installation](#) to use.
3. Configure the *PEAR* folder as an [include path](#). Click the **Add** button in the **Include path** area, and select the *PEAR* folder in the dialog box, that opens.
4. Click **PHPUnit** under the **PHP** node, and on the [PHPUnit page](#) that opens choose **Load from include path**.

Loading PHPUnit with autoload.php from the Composer Dependency Manager

The [Composer Dependency Manager](#) can download PHPUnit and add it to the current project. The tool loads packages using the `autoload.php` file in the `vendor` folder.

1. Enable *Composer* in your project. Do one of the following:
 - Download `composer.phar`, [configure Composer as a command line tool](#), and initialize it in your project in the command line mode.
 - Set up *Composer* in your project through the user interface: choose **Tools | Composer | Init Composer** and then specify the location of an existing `composer.phar` file or have IntelliJ IDEA download the file. For more details, see [Using Composer Dependency Manager](#).
When the initialization process is completed, the `autoload.php` file is stored in the `vendor` folder.
2. [Open the Project Settings](#), and click **PHPUnit** under the **PHP** node.
3. On the [PHPUnit page](#) that opens, choose **Use custom loader** and specify the location of the `autoload.php` in the **Path to script** text box below.

When you start a testing session for the first time, the `autoload.php` file starts, installs and runs PHPUnit.

Running PHPUnit from the `phpunit.phar` archive

You can download `phpunit.phar` manually and then tell IntelliJ IDEA to load the libraries from it or have IntelliJ IDEA download `phpunit.phar` automatically. Depending on your preferences, do one of the following:

- Download `phpunit.phar` manually:
 1. [Download `phpunit.phar`](#) manually.
 2. Open the [Project Settings](#), and click **PHPUnit** under the **PHP** node.
 3. On the [PHPUnit](#) page that opens, choose **Path to `phpunit.phar`** and specify the location of the archive in the **Path to `phpunit.phar`** text box below.
- Have IntelliJ IDEA download `phpunit.phar`:
 1. Open the [Project Settings](#), and click **PHPUnit** under the **PHP** node.
 2. On the [PHPUnit](#) page that opens, choose **Path to `phpunit.phar`** and click the **Download `phpunit.phar`...** link.
 3. In the dialog box that opens, specify the folder to store the `phpunit.phar` archive after download. IntelliJ IDEA starts the download. After the process is completed successfully the file is stored in the chosen folder and the path to this folder is displayed in the **Path to `phpunit.phar`** text box below.

See Also

Procedures:

- [Using Composer Dependency Manager](#)

Reference:

- [PHP](#)
- [Directories](#)
- [Run/Debug Configuration: PHPUnit](#)
- [Run/Debug Configuration: PHPUnit on Server](#)

Web Resources:

- [Developer Community](#)