

Run/Debug Configuration: PHPUnit

Use this dialog box to create a configuration to be used for running unit tests on PHP applications.

PHP unit testing requires the following prerequisites to be fulfilled:

- The [PHPUnit](#) tool should be [installed and configured](#) on your machine.
- The PEAR folder should be added to the list of [include paths](#) or [project content roots](#).

The dialog box consists of the following areas:

- [Test Runner](#)
- [Command Line](#)
- [Toolbar](#)
- [Common Options](#)

Click [here](#) for the description of the options that are common for all run/debug configurations.

Test Runner

In this area, specify the unit [tests to launch](#) and the command line [switches](#) to be passed to the test runner.

Item	Description
Test scope	<p>In this area, specify the location of tests or the configuration file where they are listed.</p> <ul style="list-style-type: none">■ Directory: select this option to have all the unit tests in a directory launched. In the Directory text box, specify the directory to search the unit test in. Type the path to the directory manually or click the Browse button  and select the desired directory in the Choose Test Directory dialog box, that opens.■ Class: select this option to have all the unit tests in a test class launched.<ol style="list-style-type: none">1. In the File text box, specify the file to search the class in. Type the path to the file manually or click the Browse button  and select the desired directory in the Choose Test File dialog box, that opens.2. In the Class text box, specify the desired class. Type the class name manually or click the Browse button  and select the desired class in the tree view, that opens.■ Method: select this option to have a specific test method launched.<ol style="list-style-type: none">1. In the File text box, specify the file to search for the test method in. Type the file name manually or click the Browse button  and select the desired file in the tree view, that opens.2. In the Method text box, specify the desired method.■ Defined in the configuration file: select this option to have test runner execute the tests from a dedicated XML file. Specify the XML file to use in the Configuration file text box.

Item	Description
Configuration file	<p>In this text box, specify the XML file with additional test runner configuration options and possibly definitions of tests to execute.</p> <p>When such file is specified, its configuration options override the default test runner configuration settings. If you have selected the Defined in the configuration file option in the Test scope area, the tests to execute are also taken from this file.</p> <p>Type the path manually or click the Browse button  and appoint the desired file in the Choose Test File dialog box, that opens.</p>
Bootstrap file	<p>In this text box, specify the PHP script to be always executed before launching tests. Type the path manually or click the Browse button  and select the desired folder in the dialog that opens.</p>
Test runner options	<p>In this text box, specify the test runner switches .</p> <p>If necessary, click  and type the desired switches in the Command Line Options dialog box. Type each switch on a new line. When you close the dialog box, the specified switches are displayed in the Test runner options text box with spaces as separators.</p>

Command Line

In this area, customize the behavior of the current PHP interpreter by specifying the options and arguments to be passed to the PHP executable file.

Item	Description
Interpreter options	<p>In this text box, specify the options  to be passed to the PHP executable file. They override the default behavior of the PHP interpreter and/or ensure that additional activities are performed.</p> <p>If necessary, click  and type the desired options in the Command Line Options dialog box. Type each option on a new line. When you close the dialog box, they are all displayed in the Command line options text box with spaces as separators.</p>
Custom working directory	<p>In this text box, specify the location of the files that are outside the folder with tests and are referenced in your tests through relative paths. Type the path manually or click the Browse button  and select the desired folder in the dialog that opens.</p> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>This settings does not block the test execution because the location of tests is always specified through a full path to the corresponding files and/or directories.</p> </div>

Item	Description
Environment variables	<p>In this text box, specify the environment variables to run the PHP interpreter with, if applicable. Click the Browse button  to the right of the field and configure a list of variables in the Environment Variables dialog box, that opens:</p> <ul style="list-style-type: none"> ■ To define a new variable, click the Add toolbar button  and specify the variable name and value. ■ To discard a variable definition, select it in the list and click the Delete toolbar button . ■ Click OK, when ready <p>The definitions of variables are displayed in the Environment variables read-only field with semicolons as separators.</p>

Toolbar

Item	Shortcut	Description
	Alt+Insert	Click this button to add new configuration to the list.
	Alt+Delete	Click this button to remove the selected configuration from the list.
	Ctrl+D	Click this button to create a copy of the selected configuration.
	Edit defaults	Click this button to edit the default configuration templates. The defaults are used for the newly created configurations.
	Alt+Up or Alt+Down	<p>Use these buttons to move the selected configuration or group of configurations (folder) up and down in the list.</p> <p>The order of configurations or folders in the list defines the order, in which configurations appear in the Run/Debug drop-down list on the main toolbar.</p>
		<p>Use this button to create a new folder.</p> <p>If one or more run/debug configurations have the focus, then the selected run/debug configurations are automatically moved to the newly created folder. If only a category has the focus, then an empty folder is created.</p> <p>Move run/debug configurations to a folder using drag-and-drop, or  buttons.</p>

Common options

Item	Description
Name	In this text box, specify the name of the current run/debug configuration. This field does not appear for the default run/debug configurations.

Item	Description
Defaults	<p>This node in the left-hand pane of the dialog box contains the default run/debug configuration settings. Select the desired configuration to change its default settings in the right-hand pane. The defaults are applied to all newly created run/debug configurations.</p>
Share	<p>Select this check box to make the run/debug configuration available to other team members.</p> <p>If the directory-based project format is used, the settings for a run/debug configuration are stored in a separate xml file in the <code>.idea\runConfigurations</code> folder if the run/debug configuration is shared and in the <code>.idea\workspace.xml</code> file otherwise.</p> <p>If the file-based format is used, the settings are stored in the <code>.ipr</code> file for shared configurations or in the <code>.iws</code> file for the ones that are not shared.</p> <p>This check box is not available when editing the run/debug configuration defaults.</p>

Item	Description		
Before launch	Specify which tasks should be carried out before starting the run/debug configuration. The specified tasks are performed in the order that they appear in the list.		
	Item	Keyboard shortcut	Description
	+	Alt+Insert	<p>Click this icon to add a task to the list. Select the task to be added:</p> <ul style="list-style-type: none"> ■ Run External tool. Select this option to run an application which is external to IntelliJ IDEA. In the dialog that opens, select the application or applications that should be run. If the necessary application is not defined in IntelliJ IDEA yet, add its definition. For more information, see Configuring Third-Party Tools and External Tools. ■ Build Artifacts. Select this option to have an artifact or artifacts built. In the dialog that opens, select the artifact or artifacts that should be built. See also, Configuring Artifacts. ■ Run Ant target. Select this option to have an Ant target run. In the dialog that opens, select the target to be run. For more information, see Ant. ■ Generate CoffeeScript Source Maps. Select this option to have the source maps for your CoffeeScript sources generated. In the dialog that opens, specify where your CoffeeScript source files are located. For more information, see CoffeeScript Support. ■ Run Maven Goal. Select this option to have a Maven goal run. In the dialog that opens, select the goal to be run. For more information, see Maven. ■ Run Remote External tool: Add a remote SSH external tool. Refer to the section Remote SSH External Tools for details.
	-	Alt+Delete	Click this icon to remove the selected task from the list.
		Enter	Click this icon to edit the selected task. Make the necessary changes in the dialog that opens.
		Alt+Up	Click this icon to move the selected task one line up in the list.
	Alt+Down	Click this icon to move the selected task one line down in the list.	

Item	Item	Keyboard shortcut	Description
	Show this page		Select this check box to have the run/debug configuration settings shown prior to actually starting the run/debug configuration.

See Also

Concepts:

- [Run/Debug Configuration](#)

Procedures:

- [Creating Run/Debug Configuration for Tests](#)
- [Testing](#)
- [Testing PHP Applications](#)
- [Configuring Content Roots](#)

Reference:

- [Sources Tab](#)

Web Resources:

- [Developer Community](#) 