

Running Mocha Unit Tests

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Prerequisites

1. Download and install [Node.js](#). The framework is required for two reasons:
 - The transpiledLanguage toolType is started through *Node.js*.
 - *NPM*, which is a part of the framework, is also the easiest way to download the transpiledLanguage toolType.

For details on using *Node.js* in IntelliJ IDEA, see the section [Node.js](#)

Alternatively, you can define [Node.js](#) as an external tool, as described in the section [Configuring third-party tools](#). This approach is helpful, when you need facilities that are missing in the plugin, for example, the possibility to pass certain parameters as wildcards.

2. If you are going to use the command line mode, make sure the following paths are added to the PATH variable:

1. The path to the parent folder of the *Node.js* executable file.
2. The path to the `npm` folder.

This enables you to launch the transpiledLanguage toolType and *npm* from any folder.

3. Make sure the *Mocha* test framework is installed as described in [Preparing to Use Mocha Test Framework](#).
4. Install and enable the *NodeJS* repository plugin.

The plugin is not bundled with IntelliJ IDEA, but it is available from the [JetBrains plugin repository](#). Once enabled, the plugin is available at the IDE level, that is, you can use it in all your IntelliJ IDEA projects. See [Installing, Updating and Uninstalling Repository Plugins](#) and [Enabling and Disabling Plugins](#) for details.

5. Install and enable the *Mocha* repository plugin.

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Creating a Mocha run configuration

1. Open the [Run/Debug Configuration](#) dialog box by doing one of the following:
 - On the main menu, choose **Run | Edit Configurations**.
 - Press `RunConfiguration` and choose **Edit Configuration** on the context menu.
 - Open the test file in the editor, and then choose **Create <file name>** on the context menu.
 - Select the test file in the **Project** tool window, and then choose **Create <file name>** on the context menu of the selection.
2. Click the **Add** button **+** on the toolbar and select the **Mocha** configuration type.
3. In the dialog box that opens, specify the location of the *Node.js* and *Node* package, the working directory and the test directory, and choose the [interface](#) used in the test to run.
4. Apply the changes and close the dialog box.

