

# Run/Debug Configuration: Karma

To get access to this dialog box:

1. Make sure the *Node.js* plugin is [installed](#) and [enabled](#).

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.

2. Download and install the [NodeJS](#) framework that contains the [Node Package Manager\(npm\)](#).



3. Using the *Node Package Manager*, install the [Karma test runner](#) as described in [Preparing to Use Karma Test Runner](#).

4. Install and enable the *Karma* 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.








In this dialog box, create configurations for running and debugging *JavaScript unit tests* using the *Karma test runner*.

This section provides descriptions of the [configuration-specific items](#), as well as the [toolbar](#) and [options](#) that are common for all run/debug configurations.

Item	Description
Name	In this text box, specify the name of the run/debug configuration.
Share	Select this check box to make the run/debug configuration available to other team members.  If the <a href="#">directory-based project format</a> 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.  If the <a href="#">file-based format</a> 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.  This check box is not available when editing the run/debug configuration defaults.
Node.js interpreter	In this field, specify the NodeJS installation home. Type the path to the NodeJS executable file manually, or click the <b>Browse</b> button  and select the location in the dialog box, that opens.  If you have <a href="#">appointed one of the installations as default</a> , the field displays the path to its executable file.
Karma Node.js package	In this field, specify the Karma installation home <code>/npm/node_modules/karma</code> . If you installed <i>Karma</i> regularly through the <i>Node Package Manager</i> , IntelliJ IDEA detects the Karma installation home itself. Alternatively, type the path to executable file manually, or click the <b>Browse</b> button  and select the location in the dialog box, that opens.

Item	Description
Configuration file	In this field, specify the location of the <a href="#">Karma configuration file</a> . Normally, the file has the extensions <code>.conf.js</code>




## 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	Use these buttons to move the selected configuration or group of configurations (folder) up and down in the list.  The order of configurations or folders in the list defines the order, in which configurations appear in the <b>Run/Debug</b> drop-down list on the main toolbar.
		Use this button to <a href="#">create a new folder</a> .  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.  Move run/debug configurations to a folder using drag-and-drop, or  buttons.

## 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.
Defaults	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.

Item	Description
Share	<p>Select this check box to make the run/debug configuration available to other team members.</p> <p>If the <a href="#">directory-based project format</a> 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 <a href="#">file-based format</a> 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"> <li>■ <b>Run External tool.</b> 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 <a href="#">Configuring Third-Party Tools and External Tools</a>.</li> <li>■ <b>Build Artifacts.</b> Select this option to have an <a href="#">artifact</a> or artifacts built. In the dialog that opens, select the artifact or artifacts that should be built.  See also, <a href="#">Configuring Artifacts</a>.</li> <li>■ <b>Run Ant target.</b> Select this option to have an Ant target run. In the dialog that opens, select the target to be run. For more information, see <a href="#">Ant</a>.</li> <li>■ <b>Generate CoffeeScript Source Maps.</b> 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 <a href="#">CoffeeScript Support</a>.</li> <li>■ <b>Run Maven Goal.</b> Select this option to have a Maven goal run. In the dialog that opens, select the goal to be run.  For more information, see <a href="#">Maven</a>.</li> <li>■ <b>Run Remote External tool:</b> Add a remote SSH external tool. Refer to the section <a href="#">Remote SSH External Tools</a> for details.</li> </ul>
	-	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
<b>See Also</b>	Show this page		Select this check box to have the run/debug configuration settings shown prior to actually starting the run/debug configuration.

Procedures:

- [Unit Testing JavaScript](#)
- [JavaScript-Specific Guidelines](#)
- [Node.js](#)
- [Testing](#)

External Links:

- <http://karma-runner.github.io/0.10/index.html> 

Web Resources:

- [Developer Community](#) 