

Run/Debug Configuration: JavaScript Debug

In this dialog box, create a configuration to be used for debugging JavaScript sources locally and remotely.

1. *Local debugging.* In this mode, the application files remain where they are in the IntelliJ IDEA project on your machine. IntelliJ IDEA runs them on the built-in Web server with the root URL `http://localhost:<built-in server port>/<project root>`. The *built-in server port* is specified on the [Debugger. JavaScript page](#) of the **Settings** dialog box. A debugging session in this mode can be initiated in two ways:

- Open the HTML file with the JavaScript injection to be tested and launch the temporary run/debug configuration that IntelliJ IDEA has generated automatically. This approach is helpful when you do not need to debug the entire application but just one script.
- Create and launch a permanent debug configuration.

For details, see [Temporary and Permanent Run/Debug Configurations](#).

2. *Remote debugging.* In this mode, the application files are on an external web server and you have their copies in a IntelliJ IDEA project on your computer. No matter, whether the web server itself is running on a physically remote host or on your machine, application files deployed on it are treated as *remote*. For details, see [Working with Web Servers: Copying Files](#).

You can deploy the application files to a web server and launch the application yourself or debug an already running application.

When a remote HTML file with a JavaScript injection is opened, the debugger tells IntelliJ IDEA the name of the currently processed file and the number of the line to be processed. IntelliJ IDEA opens the local copy of this file and indicates the line with the provided number. This behaviour is enabled by specifying correspondence between files and folders on the server and their local copies. This correspondence is called *mapping*, it is set in the debug configuration.

A *Remote* debugging session can be initiated only through a *permanent* debug configuration that you have to define yourself manually.

Debugging of the JavaScript applications is supported only in [Firefox](#) and [Google Chrome](#).

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 current run/debug configuration.
Share	<p>If this check box is selected, the run/debug configurations become available to the other team members.</p> <p>In case of the standard project format, the run/debug configurations will be stored in the <code>.ipr</code> file, which is usually shared through the version control, rather than <code>.iws</code>.</p> <p>In case of the directory-based project format, the shared run/debug configurations are kept in separate xml files under <code>.idea\runConfigurations</code> folder, while the local run/debug configurations are kept in the <code>.idea\workspace.xml</code>.</p> <p>This field does not appear for the default run/debug configurations.</p>

Item	Description
URL	In this text box, specify the URL address of the HTML file that references the JavaScript to debug. For <i>local debugging</i> , type the URL in the format <code>http://localhost:<built-in server port>/<project root></code> . The <i>built-in server port</i> is specified on the Debugger. JavaScript page of the Settings dialog box.
Browser	From this drop down list, select the browser (Firefox or Chrome), where your JavaScript application will be debugged. The available options are Firefox and Chrome .
Remote URLs of local files	<p>IntelliJ IDEA displays this area only when you create a permanent debug configuration manually. For automatically generated temporary configurations the area is not shown.</p> <p>In this area, map the local files to be involved in debugging to the URL addresses of their copies on the server.</p> <ul style="list-style-type: none"> ■ File/Directory - in this read-only field, select the desired local file or directory in the project tree. ■ Remote URL - in this text box, type the absolute URL address of the corresponding file or folder on the server. <p>These mappings are required only if the local folder structure under the project root differs from the folder structure on the server. If the structures are identical, IntelliJ IDEA itself "retrieves" the paths to local files by parsing the URL addresses of their copies on the server.</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>

Item	Shortcut	Description
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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.
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.	

Item	Item	Keyboard shortcut	Description
		Alt+Down	Click this icon to move the selected task one line down in the list.
	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:

- [Breakpoints](#)

Procedures:

- [Creating and Editing Run/Debug Configurations](#)
- [Debugging JavaScript](#)

Reference:

- [Debug Tool Window](#)

Web Resources:

- [Developer Community](#) 