Run/Debug Configuration: NodeUnit

To get access to this dialog box:

1. Download and install the NodeJS 🔗 framework.

2. Make sure the *Node.js* plugin is installed and enabled.

   The plugin is <u>not</u> 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.

3. Download and install the nodeunit 🔗 testing framework

In this dialog box, create configurations to run unit tests for *NodeJS* applications.

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
Node path	In this field, specify the NodeJS installation home. Type the path to the NodeJS executable file manually, or click the **Browse** button ⋯ and select the location in the dialog box, that opens. If you have appointed one of the installations as default, the field displays the path to its executable file.
Working directory	In this text box, specify the folder to find tests under. This can be the project root folder or the parent directory for the `test` folder. Type the path manually or click the **Browse** button ⋯ and select the location in the dialog box, that opens.
Run	From this drop-down list, choose the scope of tests to execute. The available options are: ■ **All JavaScript test files in the directory**: choose this option to to have IntelliJ IDEA run all the test files in a folder. In the **Directory** text box below, specify the path to the test folder relative to the working directory. ■ **JavaScript test file**: choose this option to have a specific test executed. In the **JavaScript test file** text box, type the path to the file relative to the working directory.

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.

Item	Shortcut	Description
⬆ or ⬇	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 **Run/Debug** drop-down list on the main toolbar.
📁		Use this button to create a new folder. 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.
Share	Select this check box to make the run/debug configuration available to other team members. If the directory-based project format is used, the settings for a run/debug configuration are stored in a separate xml file in the `.idea\runConfigurations` folder if the run/debug configuration is shared and in the `.idea\workspace.xml` file otherwise. If the file-based format is used, the settings are stored in the `.ipr` file for shared configurations or in the `.iws` file for the ones that are not shared. This check box is not available when editing the run/debug configuration defaults.

Item	Description
Single instance only	If this check box is selected, this run/debug configuration cannot be launched more than once. Every time a new run/debug configuration is launched, IntelliJ IDEA checks the presence of the other instances of the same run/debug configuration, and displays a confirmation dialog box. If you click **OK** in the confirmation dialog box, the first instance of the runner will be stopped, and the next one will take its place. This make sense, when usage of certain resources can cause conflicts, or when launching two run/debug configurations of the same type consumes too much of the CPU and memory resources. If this check box is not selected, it is possible to launch as many instances of the runner as required. So doing, each runner will start in its own tab of the Run tool window.

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	Click this icon to add a task to the list. Select the task to be added: ■ **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 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:

- Testing

- Creating and Editing Run/Debug Configurations

Procedures:

- Running Nodeunit Tests

- Node.js

Web Resources:

- Developer Community 🔗

JavaScript Support:

- Running JavaScript Unit Tests in Browser