Run/Debug Configuration: Remote

Use this dialog to create a run/debug configuration to be used for remote running or debugging processes (e.g. applications, servlets, plugin applets). Remote running/debugging enables you to connect to a running JVM.

The dialog box consists of the following tabs:

- Configuration tab
- Logs tab

Click here for the description of the options that are common for all run/debug configurations.

Configuration tab

Item	Description
Command line arguments	These read-only fields show the command-line arguments to be used for running a remote JVM. IntelliJ IDEA suggests two arguments, depending on the JDK version used.
Transport: Socket	If the Socket transport is selected, specify host where the remote process is running and to which the debugger will connect. Specify also the port on remote host to which the debugger should connect.
Transport: Shared Memory	Having selected Shared memory transport, specify the shared memory address in the text field. This kind of transport is available for Windows only.
Debugger mode: Attach	Select this radio button is you want the debugger to connect to a running remote JVM.
Debugger mode: Listen	Select this radio button is you want the debugger to run as a server for remote JVM's which will connect to it to perform debugging. In this case the Host field will be disabled (if the Socket transport is selected). The Port value is considered as a port at which the debugger-"server" will listen to connections from the debugger-"clients".

Logs tab

Use this tab to specify which log files generated while running or debugging should be displayed in the console, that is, on the dedicated tabs of the Run or Debug tool window.

Item	Description
Is Active	Select check boxes in this column to have the log entries displayed in the corresponding tabs in the Run tool window or Debug tool window.

Item	Description
Log File Entry	The read-only fields in this column list the log files to show. The list can contain: ■ Full paths to specific files. ■ Ant patterns 🖉 that define the range of files to be displayed. ■ Aliases to substitute for full paths or patterns. These aliases are also displayed in the headers of the tabs where the corresponding log files are shown. If a log entry pattern defines more than one file, the tab header shows the name of the file instead of the log entry alias.
Skip Content	Select this check box to have the previous content of the selected log skipped.
Save console output to file	Select this check box to save the console output to the specified location. Type the path manually, or click the browse button and point to the desired location in the dialog that opens.
Show console when standard out changes	Select this check box to activate output console and bring it forward, if associated process writes to Standard.out.
Show console when standard error changes	Select this check box to activate output console and bring it forward, if associated process writes to Standard.err.
✚	Click this button to open the Edit Log Files Aliases dialog where you can select a new log entry and specify an alias for it.
🖉	Click this button to edit the properties of the selected log file entry in the Edit Log Files Aliases dialog.
▬	Click this button to remove the selected log entry from the list.
⋯	Click this button to edit the select log file entry. The button is available only when an entry is selected.

Toolbar

Item	Shortcut	Description
✚	Alt+Insert	Click this button to add new configuration to the list.

Item	Shortcut	Description
━	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.
⬆ 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
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:

- Run/Debug Configuration

Procedures:

- Creating and Editing Run/Debug Configurations

Reference:

- Debugger

Web Resources:

- Developer Community