

Run/Debug Configuration: CloudBees Server

Use this dialog to create or edit [run/debug configurations](#) for [CloudBees Server](#).

Note that application debugging is supported only for local CloudBees run/debug configurations. See [Local and remote run configurations](#).

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Name field and Share option

Item	Description
Name	Use this field to edit the name of the run/debug configuration. This field is not available when editing the run/debug configuration defaults.
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 <code>.idea\runConfigurations</code> folder if the run/debug configuration is shared and in the <code>.idea\workspace.xml</code> file otherwise. 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. This check box is not available when editing the run/debug configuration defaults.

Server tab

Item	Local/Remote	Description
Application server	Remote	Select the server configuration to be used. Click Configure to create a new server configuration or edit an existing one. (The Application Servers dialog will open.) For local CloudBees run/debug configurations, the server configuration is not specified; the Tomcat instance embedded in CloudBees is used. This Tomcat instance is included in CloudBees client libraries which IntelliJ IDEA can download for you.
Start browser	Both	Select this check box to run the default Web browser to study your application output there.

Item	Local/Remote	Description
With JavaScript debugger	Both	<p>If this check box is selected, the Web browser is started with the JavaScript debugger enabled.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>JavaScript debugging is available only for Firefox and Google Chrome. Note that when you debug your JavaScript in Firefox for the first time, the JetBrains Firefox extension will be installed.</p> </div>
Startup page	Both	<p>In this field, specify the URL the browser should go to when started. In most typical cases, this URL will correspond to the root of your Web application or its starting page.</p>
VM options	Local	<p>If necessary, specify the command-line options to be passed to the server JVM at the server start.</p> <p>If you need more room to type, click  next to the field to open the VM Options dialog where the text entry area is larger.</p> <p>When specifying the options, follow these rules:</p> <ul style="list-style-type: none"> ■ Use spaces to separate individual options, for example, <code>-client -ea -Xmx1024m</code>. ■ If an option includes spaces, enclose the spaces or the argument that contains the spaces in double quotes, for example, <code>some "arg" or "some arg"</code>. ■ If an option includes double quotes (e.g. as part of the argument), escape the double quotes by means of the backslashes, for example, <code>-Dmy.prop=\"quoted_value\"</code>.
On 'Update' action	Both	<p>Select the necessary option for the Update application action.</p> <ul style="list-style-type: none"> ■ Hot swap classes. Changed classes will be recompiled and reloaded at runtime. Note that this option will work only in the debug mode. ■ Redeploy. The overall application will be rebuilt and redeployed. ■ Restart server. The server will be restarted. The application will be rebuilt and deployed at the server startup. (This option is not available for remote run configurations.)
Show dialog	Both	<p>Select this check box if you want to see the Update <application name> dialog every time you perform the Update application action.</p> <p>The Update <application name> dialog is used to view and change the current update option prior to actually updating the application.</p>

Item	Local/Remote	Description
On frame deactivation	Both	Specify which application update actions should be performed when switching from IntelliJ IDEA to a different application (for example, a Web browser). (<i>Frame deactivation means switching to a different application.</i>) If no update actions are required, select Do nothing . Otherwise, select the necessary update option . Note that the Redeploy and the Restart server options are not available.
HTTP port	Local	Specify the HTTP port of CloudBees.
JNDI port	Local	Specify the port to be used for exchanging the JNDI information with the server.
Remote connection settings	Remote	The settings for accessing deployed applications. For CloudBees, you don't need to specify any of these settings.
Host	Remote	For CloudBees, IntelliJ IDEA ignores this setting.
Port	Remote	For CloudBees, IntelliJ IDEA ignores this setting.

Deployment tab

Use this tab to specify which [artifacts](#) and/or external resources should be deployed onto the server. (An external resource means a deployable Web component such as a `.war` file which is not represented by a project artifact. Usually, such components are stored outside of the project scope.)

To add items to the deployment list (shown under **Deploy at the server startup**), use . For more information, see the table below.

Item	Tooltip and Shortcut	Description
	Add Alt+Insert	Use this icon or shortcut to add an artifact or an external resource to the list. <ul style="list-style-type: none"> To add an artifact, select Artifact and choose the desired artifact in the dialog that opens. To add an external resource, select External Source and choose the location of the desired resource in the dialog that opens.
	Remove Alt+Delete	Use this icon or shortcut to remove the selected artifacts and external resources from the list.
	Edit Artifact F4	Use this icon or shortcut to configure the selected artifact. (The Artifacts page of the Project Structure dialog will open.)

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 .
Log File Entry	<p>The read-only fields in this column list the log files to show. The list can contain:</p> <ul style="list-style-type: none">■ 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. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"><p>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.</p></div>
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. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"><p>The button is available only when an entry is selected.</p></div>

Code Coverage tab

Use this tab to configure [code coverage](#) monitoring options.

Note that this tab is not available for remote servers.

Item	Description
Choose code coverage runner	Select the desired code coverage runner.
Sampling	Select this option to measure code coverage with minimal slow-down.
Tracing	Select this option to collect accurate branch coverage. This mode is available for the IntelliJ IDEA code coverage runner only.
Track per test coverage	Select this check box to detect lines covered by one test and all tests covering line.
Packages and classes to record code coverage data	<p>If necessary, specify the classes and packages to be measured.</p> <p>Use  or  to add classes or packages to the list.</p> <p>To remove the classes or packages from the list, select the corresponding list items and click .</p>
Enable coverage in test folders.	Select this check box to include the test source folders in code coverage analysis.

Startup/Connection tab

This tab, usually, contains recommendations for starting a remote server. For CloudBees, there are no particular recommendations.

This tab is available only for remote run configurations.

Before Launch options

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	Shortcut	Description
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Item	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. ■ Make. Select this option to have the project or module compiled. The Make Module command will be carried out if a particular module is specified in the run/debug configuration, and the Make Project command otherwise. If an error occurs during the compilation, IntelliJ IDEA won't attempt to start the run/debug configuration. ■ Make, no error check. The same as the Make option but IntelliJ IDEA will try to start the run/debug configuration irrespective of the compilation result. ■ 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 Another Configuration. Select this option to have another run/debug configuration executed. In the dialog that opens, select the configuration to be run. ■ 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. Select this option to run a remote application which is external to IntelliJ IDEA. In the dialog that opens, select one or more remote applications to be run. If the necessary applications are not defined in IntelliJ IDEA yet, add definitions. For more information, see Configuring Third-Party Tools and External Tools.
	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.

Item	Shortcut	Description
	Alt+Up/Alt+Down	Click these icons to move the selected task one line up or 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.

Toolbar

Item	Shortcut	Description
	Alt+Insert	Use this icon or shortcut to create a new run/debug configuration.
	Alt+Delete	Use this icon or shortcut to delete the selected run/debug configuration.
	Ctrl+D	Use this icon or shortcut to create a copy of the selected run/debug configuration.
		Click this button to edit the default settings of the selected run/debug configuration. This button is disabled for defaults.
	Alt+Up/Alt+Down	Use these buttons to move the selected run/debug configuration up and down in the list. The order of configurations in the list defines the order in which the configurations appear in the corresponding list on the main toolbar. These buttons are disabled for defaults.
		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.

See Also

Concepts:

- [Run/Debug Configuration](#)

Procedures:

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

External Links:

- [CloudBees](#) 

Web Resources:

