

# Application Servers

File | Settings | Application Servers

**Configure** when editing a run/debug configuration for an application server in the **Run/Debug Configurations** dialog.

Use this page or dialog to manage configurations for the [supported application servers](#) and their settings.

Shown in the pane under **+** and **-** are the servers already defined in IntelliJ IDEA. When you select a server in this pane, the corresponding configuration settings and associated controls are shown in the area to the right. (If you are editing a run configuration for a particular server (e.g. Tomcat), only the existing configurations for this particular server are shown.)

Use **+** to add new server definitions (configurations) to IntelliJ IDEA. Use **-** to remove unnecessary server configurations.

To edit the settings for an existing server configuration, select the configuration of interest in the left-hand pane and use the controls in the right-hand part.

Note that the list of servers you can work with depends on which server integration [plugins](#) are currently enabled. See [Enabling Application Server Integration Plugins](#).

- [Toolbar buttons](#)
- [Settings and controls for servers other than Cloud Foundry and CloudBees](#)
- [Settings and controls for Cloud Foundry](#)
- [Settings and controls for CloudBees](#)
- [Libraries](#)
- [Configuration file list \(for Jetty 7 or later versions\)](#)

## Toolbar buttons

Use the toolbar buttons **+** and **-** to add new server configurations and to remove unnecessary ones.

Item	Shortcut	Description
<b>+</b>	Alt+Insert	<p>Click this button to add an application server configuration.</p> <p>If in the <b>Settings</b> dialog, select the server for which you want to add a server configuration. (If you are editing a run configuration for a particular server, it's assumed that you are adding a server configuration for this particular server.)</p> <p>In the dialog that opens, specify the server settings and click <b>OK</b>. For more information, see <a href="#">Settings and controls for servers other than Cloud Foundry and CloudBees</a>, <a href="#">Settings and controls for Cloud Foundry</a> or <a href="#">Settings and controls for CloudBees</a>.</p>
<b>-</b>	Alt+Delete	<p>Click this button to remove the selected application server configuration.</p>

## Settings and controls for servers other than Cloud Foundry and CloudBees

Item	Description
Name	Use this field to edit the name of the server configuration.

Item	Description
<Server> Home	Specify the path to the application server installation folder. If necessary, use  to select the folder in the <a href="#">corresponding dialog</a> .
<Server> Version	The detected application server version (readonly).

See also, [Libraries](#) and [Configuration file list \(for Jetty 7 or later versions\)](#).

### Settings and controls for Cloud Foundry

Item	Description
Name	Use this field to edit the name of the server configuration.
Cloud instance	The Cloud Foundry instance. Select: <ul style="list-style-type: none"> <li>■ <b>Global (cloudfoundry.com)</b> for hosted Cloud Foundry (available at <a href="http://cloudfoundry.com">cloudfoundry.com</a>), see <a href="#">Cloud Foundry</a>.</li> <li>■ <b>Local (vcap.me)</b> for a Cloud Foundry VCAP installation, see <a href="#">Single and Multi Node VCAP Deployments</a>.</li> <li>■ <b>Micro - online (&lt;custom domain&gt;.cloudfoundry.me)</b> for <a href="#">Micro Cloud Foundry</a> used in the online mode</li> <li>■ <b>Micro - offline (&lt;custom domain&gt;)</b> for <a href="#">Micro Cloud Foundry</a> used in the offline mode</li> </ul>
Port	For a Cloud Foundry VCAP instance ( <b>Local (vcap.me)</b> ): specify the http port (80 by default).
Domain name	For a Micro Cloud Foundry instance: specify the domain name associated with your Micro Cloud Foundry instance. If the Micro Cloud Foundry instance is used in the online mode, only the part preceding <code>.cloudfoundry.me</code> should be specified.
Username (email)	Specify the user name for your user account on the target Cloud Foundry server. Usually, this is your email address.
Password	Specify the password for your Cloud Foundry user account.
Test connection	Click this button to make sure that the settings are correct and IntelliJ IDEA can properly communicate with the target server instance.
Register new user	Click this button to create a new user account for the target Cloud Foundry server instance. In the dialog that opens, specify the user name (use your email address) and password.
Download client libraries	Click this button to download and install the Cloud Foundry client software. This software is necessary for IntelliJ IDEA to be able to work with Cloud Foundry.

### Settings and controls for CloudBees

Item	Description
Name	Use this field to edit the name of the server configuration.
Domain	Specify your CloudBees domain name. For hosted CloudBees, this is the part preceding <code>.cloudbees.com</code> .
Username (email)	Specify the user name for your CloudBees user account. Usually, this is your email address.
Password	Specify the password for your CloudBees user account.
Test connection	Click this button to make sure that the settings are correct and IntelliJ IDEA can properly communicate with the server.
Download client libraries	Click this button to download and install the CloudBees client software. This software is necessary for IntelliJ IDEA to be able to work with CloudBees.

## Libraries

Use the controls in this area to manage the contents of the libraries associated with the server configuration.

Item	Tooltip and Shortcut	Description
	Add Alt+Insert	<p>Use this icon or shortcut to add items to the library. Select one of the following options:</p> <ul style="list-style-type: none"> <li> <b>Attach Files or Directories.</b> Select this option to add classes, sources and documentation available locally. <p>In the <a href="#">dialog that opens</a>, select the necessary files and folders. These may be individual <code>.class</code>, <code>.java</code>, <code>.jar</code> and <code>.zip</code> files, the directories containing such files, etc. Note that a number of files and folders can be selected simultaneously.</p> <p>IntelliJ IDEA will analyze the selected files and folders, and automatically assign their contents to the appropriate library categories (Classes, Sources, Documentation, etc.).</p> <p>In cases when detection of a category is problematic (e.g. when you select an empty folder), a dialog will be shown, in which you will be able to specify the category yourself.</p> </li> <li> <b>Specify Documentation URL.</b> To be able to use external documentation available online, select this option, and specify the URL of the external documentation in the dialog that opens. </li> </ul>
	Detach Alt+Delete	Use this icon or shortcut to remove the selected items from the library.

## Configuration file list (for Jetty 7 or later versions)

For [Jetty 7](#) or later versions, there is a section for managing the configuration file list. This section is located below the field that shows the Jetty version.

The configuration file list section provides a GUI for editing the file `<jetty_home>\start.ini` from IntelliJ IDEA. (`start.ini` contains the arguments of `<jetty_home>\start.jar` which is used to start Jetty.)

IntelliJ IDEA provides a two-way synchronization between the configuration file list and the `start.ini` file.

To render the configuration file list, IntelliJ IDEA reads the `start.ini` file each time the **Application Servers** dialog is opened. On the other hand, all the changes made to the configuration file list in IntelliJ IDEA are immediately saved in `start.ini`.

Using the available controls, you can make the configuration files active or inactive, add, replace and remove the files as well as change their order.

Item	Tooltip and Shortcut	Description
Active		<p>Use the check boxes next to the corresponding Jetty configuration files to select or deselect these files.</p> <p>As soon as you deselect a file, the corresponding line in <code>start.ini</code> is commented. When you make a file active, the corresponding entry in <code>start.ini</code> is uncommented.</p>
Path		<p>The paths to the corresponding Jetty configuration files are shown (readonly).</p> <p>For the files located within the Jetty installation directory and its subdirectories, the paths are relative to Jetty home (that is, the installation directory). For all the rest of the configuration files, the absolute paths are shown.</p>
	Add Alt+Insert	<p>Use this icon or shortcut to add a configuration file to the list. In the <a href="#">dialog that opens</a>, select the necessary Jetty configuration file and click <b>OK</b>.</p> <p>Adding a file to the list leads to adding a new (commented) entry to <code>start.ini</code>.</p>
	Edit Enter	<p>Use this icon or shortcut to replace the selected file with a different Jetty configuration file. In the <a href="#">dialog that opens</a>, select the replacement configuration file and click <b>OK</b>.</p>
	Detach Alt+Delete	<p>Use this icon or shortcut to remove the selected file from the list. Note that this operation does not delete the file physically. However, the corresponding entry is removed from <code>start.ini</code>.</p>
	Alt+Up	<p>Use this icon or shortcut to move the selected file one line up in the list.</p> <p>Note that the order of configuration files in the list is important because it corresponds to the order of arguments passed to <code>start.jar</code> when starting Jetty.</p>
	Alt+Down	<p>Use this icon or shortcut to move the selected file one line down in the list.</p>

**See Also**

### Procedures:

- [Working with Application Servers](#)
- [Java EE](#)
- [Web Applications](#)

### Reference:

- [Run/Debug Configurations](#)

### External Links:

- [Application Servers](#) 
- [Developing applications for GlassFish Server in IntelliJ IDEA](#) 
- [Debugging applications for GlassFish Server in IntelliJ IDEA](#) 
- [Developing applications for JBoss AS in IntelliJ IDEA](#) 
- [Debugging applications for JBoss AS in IntelliJ IDEA](#) 
- [Creating a simple Web application and deploying it to Tomcat](#) 

### Web Resources:

- [Developer Community](#) 