Deployment

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Basics

On this page, create, edit, and delete *server access configurations* that give you control over interaction between IntelliJ IDEA and servers. Anytime you are going to use a server, you need to define a *server access configurations*, no matter whether your server is on a remote host or on your computer.

Among numerous ways to configure your development and production environments the most frequent ones are as follows:

- The Web server is installed on your computer. The sources are under the server document root (for example, /htdocs), and you do your development right on the server.

- The Web server is installed on your computer but the sources are stored in another folder. You do your development, then copy the sources to the server.

- The Web server is on another computer (remote host). Files on the server are available through the FTP/SFTP/FTPS protocol, through a network share, or a mounted drive.

Note that IntelliJ IDEA assumes that all development, debugging, and testing is done on your computer and then the code is deployed to a production environment. For detailed reasoning of this approach, see [Working with Web Servers: Copying Files](#)

Let's define the terms and their meaning in the context of synchronization between IntelliJ IDEA and servers.

- An *in-place server* is a server whose *document root* is the parent of the project root, either immediate or not. In other words, the Web server is running on your computer, your project is under its document root, and you do your development directly on the server.

- A *local server* is a server that is running in a local or a mounted folder and whose *document root* is *NOT* the parent of the project root.

- A *remote server* is a server on another computer (remote host).

- The *server configuration root* is the highest folder in the file tree on the *local* or *remote* server accessible through the server configuration. For *in-place* servers, it is the project root.

- A *local file/folder* is any file or folder under the project root.

- A *remote file/folder* is any file or folder on the server, either local or remote.

  Suppose you have a project `C:/Projects/My_Project/` with a folder `C:/Projects/My_Project/My_Folder` and a local server with the document root in `C:/xampp/htdocs`. You upload the entire project tree to `C:/xampp/htdocs/My_Project`. In the terms of IntelliJ IDEA, the folder `C:/Projects/My_Project/My_Folder` is referred to as *local* and the folder `C:/xampp/htdocs/My_Project/My_Folder` is referred to as *remote*.

- *Upload* is copying data from the project *TO* the server, either local or remote.

- *Download* is copying data *FROM* the server to the project.

> Synchronization with servers, uploading, downloading, and managing files on them are provided via the *Remote Hosts Access* bundled plugin, which is by default enabled. If not, activate it in the **Plugins** page of the **Settings** dialog box. For details, see Enabling and Disabling Plugins.

Toolbar and common options

Use the toolbar buttons to manage the list of configurations.

The left-hand pane shows a list of all the server access configurations available in IntelliJ IDEA. When you select a configuration, the right-hand pane shows the configuration details.

Item	Tooltip and shortcut	Description
+	Add Insert	Click this button to open the Add Server dialog box and define a new configuration there.
−	Delete Delete	Click this button to remove the selected configuration from the list.
⬚	Copy Ctrl+D	Click this button to copy the settings of the selected configuration.
✓	Use as Default	Click this button to have IntelliJ IDEA apply the settings of the selected configuration by default during automatic upload of changed files.

See Also

Procedures:

- Working with Web Servers: Copying Files

Reference:

- Remote Host Tool Window

Web Resources:

- Developer Community ⬀