

Creating a Local Server Configuration

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.

To configure access to the server in this set-up, you need to specify the following:

1. The *server configuration root* folder and the URL address to access it.
2. Correspondence between the *project root folder*, the folder on the server to copy the data from the *project root folder* to, and the URL address to access the copied data on the server. This correspondence is called *mapping*.

On this page:

- [Creating a server configuration, specifying its name and type](#)
- [Specifying the server configuration root and the URL address to access it](#)
- [Example of specifying the server configuration root](#)
- [Mapping project folders with folders on the server and the URL addresses to access them](#)
- [Example of mapping project folders with folders on the server](#)

Creating a server configuration, specifying its name and type

1. Open the [Deployment dialog box](#). Do one of the following:
 - [Open the project settings \(File | Settings \)](#), and then click **Deployment**.
 - Choose **Tools | Deployment | Configuration** on the main menu.
2. In the left-hand pane, that shows a list of all the existing server configurations, click the **Add** toolbar button . The [Add Server dialog box](#) opens.
3. Specify the server configuration name in the **Name** text box. From the **Type** drop-down list, choose the server configuration type **Local or mounted folder**.
4. Click **OK**. The **Add Server** dialog box closes and you return to the **Connection** tab of the **Deployment** dialog box.

Click the **Use as Default** toolbar button  to have IntelliJ IDEA silently apply the current configuration in the following cases:

- [Automatic upload of changed files](#).
- [Manual upload of files](#) without choosing the target host.
- [Comparing local files and folders](#) with their remote versions.

Specifying the server configuration root and the URL address to access it

1. In the **Folder** text box of the **Upload/download project files** area, specify the *server configuration root*.

The *server configuration root* is the highest folder in the file tree on the server accessible through the server configuration. The easiest way is to use the *document root* of your Web server as defined in the Web server configuration file. However you can appoint any other existing folder under the *document root*.

2. In the **Web server root URL** text box of the **Browse files on server** area, specify the URL address of the *server configuration root*. This URL address will be the starting point for building the URL address of your application. Depending on your choice of the *server configuration root*, do one of the following:
 - Type the URL address associated with the *document root* of your Web server as defined in the Web server configuration file.
 - Type the URL address in the format <URL of the server document root>/<path to the relevant folder relative to the server document root>.

Both the *HTTP* and the *HTTPS* protocols are supported.

Example of specifying the server configuration root

For example, the [Apache httpd](#) server configuration file is `httpd.conf`, according to it, the default *document root* is the `htdocs` folder, and the default URL address to access the data in it is `http://localhost`. For the sake of simplicity, let's suppose that you are using the [XAMPP](#) package and it is installed in the root of the `C:/` drive.

So if you decide to copy your project files directly under the *server document root*, your *server configuration root* will be `C:\xampp\htdocs` and its URL will be `http://localhost:<port>`.

You can establish a more complicated folder structure on the server, for example, to have `MySite1` and `MySite2` folders under the *server document root*. In this case the you will have to decide which of these folders you will use in the current configuration, let it be `MySite2`. Accordingly, the *server configuration root* will be `C:\xampp\htdocs\MySite2` and its URL address will be `http://localhost:<port>\MySite2`.

Mapping project folders with folders on the server and the URL addresses to access them

Configure mappings, that is, set correspondence between the project folders, the folders on the server to copy project files to, and the URL addresses to access the copied data on the server. The easiest way is to map the entire project root folder to a folder on the server, whereupon the project folder structure will be repeated on the server, provided that you have selected the **Create Empty directories** check box in the [Options dialog box](#). For more details, see [Customizing Upload/Download](#).

1. Switch to the **Mappings** tab.
2. In the **Local Path** text box, specify the full path to the desired folder in the project tree. In the simplest case it is the project root.
3. In the **Deployment Path** text box, specify the folder on the server where IntelliJ IDEA will upload the data from the folder specified in the **Local Path** text box. Type the path to the folder relative to the *server configuration root*. If the folder with the specified name does not exist yet, IntelliJ IDEA will create it, provided that you have selected the **Create Empty directories** check box in the [Options dialog box](#). For more details, see [Customizing Upload/Download](#).
4. In the **Web Path** text box, type the path to the folder on the server relative to the *server configuration root*. Actually, type the relative path you typed in the **Deployment Path** text box.

Example of mapping project folders with folders on the server

For example, if your project is C:\My_Projects\Mapping_project, the *server document root* is C:\xampp\htdocs, the *server configuration root* is C:\xampp\htdocs\MySite2, and its URL address is http://localhost:<port>\MySite2, fill in the fields as follows:

1. In the **Local Path** text box, type C:\My_Projects\Mapping_project.
2. In the **Deployment Path** text box, type Mapping_project.
3. In the **Web Path** text box, type Mapping_project.

See Also

Procedures:

- [Working with Web Servers: Copying Files](#)
- [Creating an in-Place Server Configuration](#)
- [Creating a Remote Server Configuration](#)
- [PHP-Specific Guidelines](#)

Reference:

- [Deployment: Mappings Tab](#)
- [Deployment](#)

Web Resources:

- [Developer Community](#) 