

Uploading and Downloading Files

There are the following main ways to synchronize project files with their copies on the local or remote server:

- **Manually**, through a menu command.
- **Automatically, every time a file is updated**. In this case, the **default server configuration** is used.

You can configure this upload method so only manually saved files are uploaded.

- **Automatically, before launching** the application or starting a debugging session. This method is available for PHP applications only,
- **Automatically** after the changes to the files are checked in to your version control repository.

Besides uploading files, you can also have IntelliJ IDEA **download files** that were deployed according to the **default server configuration**.

In this section:

- **Uploading files and folders manually**
- **Uploading application sources automatically before application start**
- **Uploading changed files automatically**
- **Uploading checked in files immediately after commit**
- **Suppressing automatic upload**
- **Downloading files**

To upload files or folders manually

1. Choose **Tools | Deployment** on the main menu.
2. Do one of the following:
 - To run the upload according to the default configuration, choose **Upload to <default server configuration>**.
 - To run the upload according to a specific configuration, choose **Upload to**. Then from the pop-up menu, select the server configuration that defines access to the required server.

To have application sources uploaded automatically before application start

When working on a PHP application, you can have its sources automatically uploaded to a server every time you run the application or initiate a debugging session from IntelliJ IDEA.


1. During **creation of a run/debug configuration**, click the **Add** button **+** and choose the **Upload Files to Remote Host** task from the list.
2. In the **Upload to Remote Host** dialog box that opens, specify the following:
 - The server configuration to access the required server.
 - The local root folders to upload. All the folders and files under the specified roots will be uploaded.

To have IntelliJ IDEA upload changed files automatically

IntelliJ IDEA considers a local file changed as soon as it is saved either automatically or manually. IntelliJ IDEA performs *automatic save* on a regular scheduled basis. *Manual save* is invoked by choosing **File | Save All** on the main menu or pressing **Ctrl+S**.

1. Open the **Options** dialog box by doing one of the following:
 - Choose **Tools | Deployment | Automatic Upload** on the main menu.
 - [Open the project settings](#) and click **Options** below the **Deployment** node.
2. In the **Upload changed files automatically to the default server** drop-down list, specify when you want IntelliJ IDEA to upload changed files:
 - To have IntelliJ IDEA upload any saved file no matter whether the save was invoked manually or automatically, choose **Always**.
 - To have IntelliJ IDEA upload only files that were saved manually, choose **On explicit save action**.

To have IntelliJ IDEA upload newly checked in files immediately after commit

1. [Start checking in your changes](#).
2. In the **After Commit** area, choose the target server from the **Upload file to** drop-down list. Choose one of the existing server access configurations or create a new one: click the **Browse** button  and [configure access to the relevant server](#) in the **Deployment** dialog box that opens.
3. To have IntelliJ IDEA automatically upload checked in files to the chosen server, select the **Always use selected server** check box.

To suppress automatic upload

1. Open the **Options** dialog box by doing one of the following:
 - [Open the project settings](#) and click **Options** below the node.
 - Choose **Tools | Deployment | Options** on the main menu.
2. From the **Upload changed files automatically to the default server** drop-down list, choose **Never**.

To download files

- Choose **Tools | Deployment | Download from <default server configuration>** on the main menu.

This functionality is available only if you have previously appointed a configuration as default.

See Also

Procedures:

- [Working with Web Servers: Copying Files](#)

Reference:

- [Deployment](#)

Web Resources:

- [Developer Community](#) 

