

Lab 0 - SETUP LAB ENVIRONMENT

Link: <https://netbeans.org/kb/docs/php/quickstart.html>

NetBeans IDE PHP Quick Start Tutorial

This document provides general guidelines for preparing the environment for PHP development, setting up a PHP project, and developing and running your first PHP application in the NetBeans IDE for PHP.

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To follow this tutorial, you need the following software and resources.

Software or Resource	Version Required
NetBeans IDE	PHP download bundle
A PHP engine	Version 5
A web server	Apache HTTP Server 2.2 is recommended.
A PHP debugger	XDebug 2.0 or later

You can install the PHP engine, web server and database separately or use AMP (**A**pache, **M**ySQL, **P**HP) packages.

Installation and Configuration

The following documents contain instructions for one or two ways to set up a PHP web stack on your operating system. These instructions are not definitive. The web stack consists of third-party software, your environment may differ, and you might prefer a different AMP package or another way to set up PHP. You might need to supplement our instructions with your own investigations.

- [Configuring PHP Development Environment in Windows](#)
- [Configuring PHP Development Environment in the Ubuntu Linux Distribution](#)
- [Configuring PHP Development Environment in Mac Operating System \(Mac OS X\)](#)

Setting up a PHP Project in the NetBeans IDE for PHP

For help in installing and starting NetBeans IDE, please see the [installation documentation](#).

To start PHP development in the NetBeans IDE for PHP, you first need to create a project. A project contains the information on the location of the project files and the way you want to run and debug your application (run configuration).

1. Start the IDE, switch to the Projects window, and choose File > New Project. The Choose Project panel opens.
2. In the Categories list, choose PHP.

3. In the Projects area, choose PHP Application and click Next. The New PHP Project > Name and Location panel opens.

The screenshot shows the 'New PHP Project' dialog box with the 'Name and Location' tab selected. On the left, the 'Steps' list shows: 1. Choose Project, 2. **Name and Location**, and 3. Run Configuration. The main area contains the following fields: 'Project Name' with the text 'NewPhpProject', 'Sources Folder' with the path 'G:\xampp\htdocs\NewPhpProject' and a 'Browse...' button, 'Default Encoding' set to 'UTF-8', and a checkbox 'Put NetBeans metadata into a separate directory' which is checked. Below this is the 'Metadata Folder' field with the path 'C:\Users\jeff\Documents\NetBeansProject' and another 'Browse...' button. A note states: 'In order to correctly run, debug project etc., NetBeans needs to store project metadata.' At the bottom are buttons for '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'.

4. In the Project Name text field, enter NewPHPProject.
5. In the Sources Folder field, browse for your PHP document root and create a subfolder there called NewPHPProject. The document root is the folder where the web server looks for files to open in the browser. The document root is specified in the web server [configuration file](#). For example, on Xampp, the document root is XAMPP_HOME/htdocs.
6. Leave all other fields with their default values. Click Next. The Run Configuration window opens.

The screenshot shows the 'New PHP Project' dialog box with the 'Run Configuration' tab selected. On the left, the 'Steps' list shows: 1. Choose Project, 2. Name and Location, and 3. **Run Configuration**. The main area contains the following fields: a description 'Specify the way that this project's files will primary be deployed. Configurations can be added and modified later in the project properties.', 'Run As' with a dropdown menu showing 'Local Web Site (running on local web server)', 'Project URL' with the text 'http://localhost/NewPhpProject/', a checkbox 'Copy files from Sources Folder to another location' which is unchecked, and 'Copy to Folder' with the path 'G:\xampp\htdocs\NewPhpProject' and a 'Browse...' button. At the bottom are buttons for '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'.

7. In the Run As drop-down list, select Local Web Site. The project will run on your local Apache server. Your other options are to run the project remotely via FTP and to run it from the command line.

8. Leave the Project URL at default.
9. Click Finish. The IDE creates the project.

Learn more about [Setting up a PHP project in NetBeans](#).

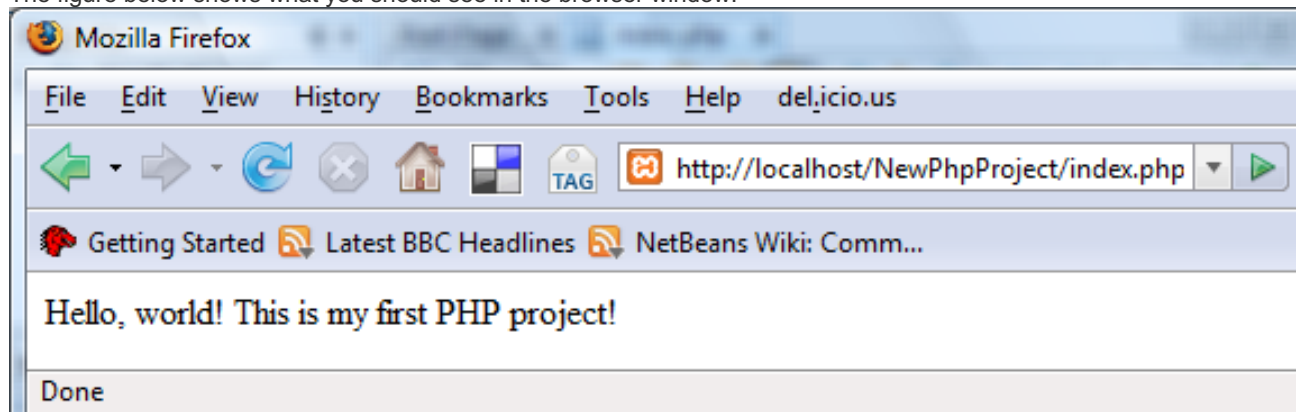
Running Your First PHP Project

1. Start the IDE, choose File > Open Project. The Open Project dialog box opens.
2. Select NewPHPProject and click Open Project. The NewPHPProject tree appears in the Projects window and the project's index.php file opens in the editor and in the Navigator window.



3. Enter the following code inside the `<?php ?>` block:


```
echo "Hello, world! This is my first PHP project!";
```
4. To run the project, position the cursor on the NewPHPProject node and choose Run from the context menu. The figure below shows what you should see in the browser window:



Congratulations! Your program works!

Using Database Servers with NetBeans IDE for PHP

You can use various database servers with the NetBeans IDE for PHP, although the most popular is the MySQL server. Downloads are available [here](#).

Note: The recommended version of the product is MySQL Server 5.0.
See also:

- [Setting Up the MySQL Database Server in the Windows Operating System](#)
- [Creating a Sample Database with Test Data](#)
- [MySQL and the NetBeans IDE](#)

- [Connecting to a MySQL Database](#)