

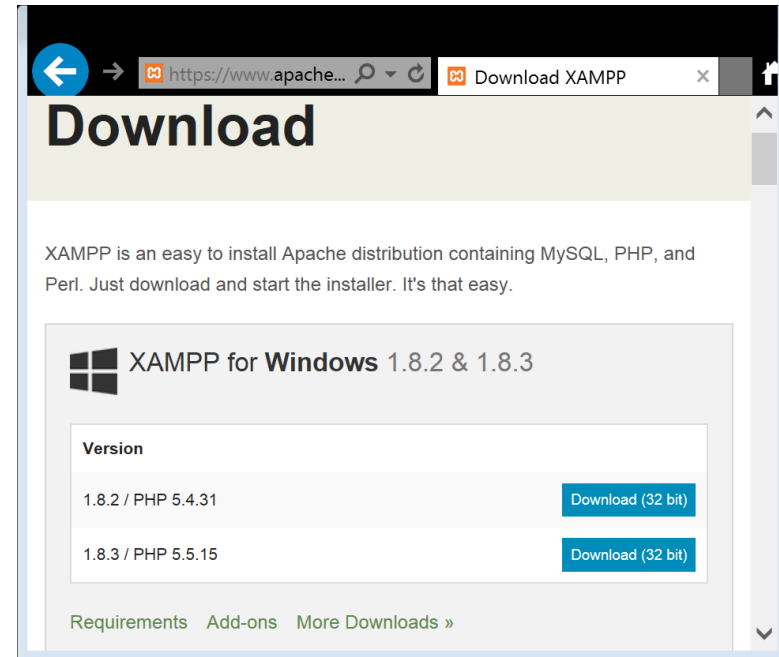
Installing and Configuring XAMPP and NetBeans

Introduction

- The XAMPP package includes the Apache web server, the MySQL database server, the PHP interpreter, and other software that is useful for developing PHP applications.

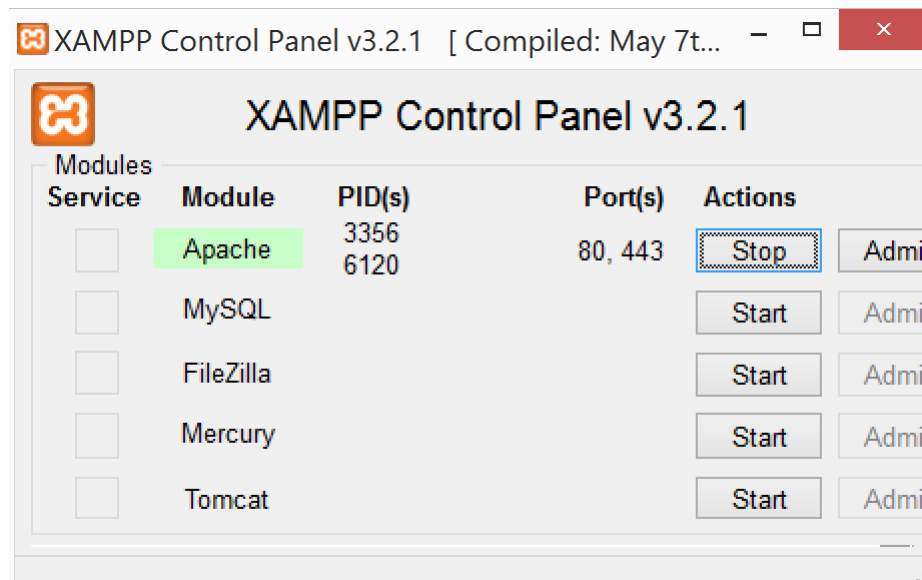
Installing XAMPP for Windows

1. Go to the web site address below.
<http://www.apachefriends.org/en/xampp-windows.html>
2. Scroll down to the "XAMPP for Windows 1.8.3 PHP 5.5 04/12/2013" section.
3. Click on the Installer link to start the download and save the file on your computer.
4. In the installer window, leave the destination directory as C:\ and click the Install button.
5. Follow the on-screen instructions from the Installer.
Note: you may need to disable your anti-virus program before the installation.



Starting and stopping the Apache and MySQL servers

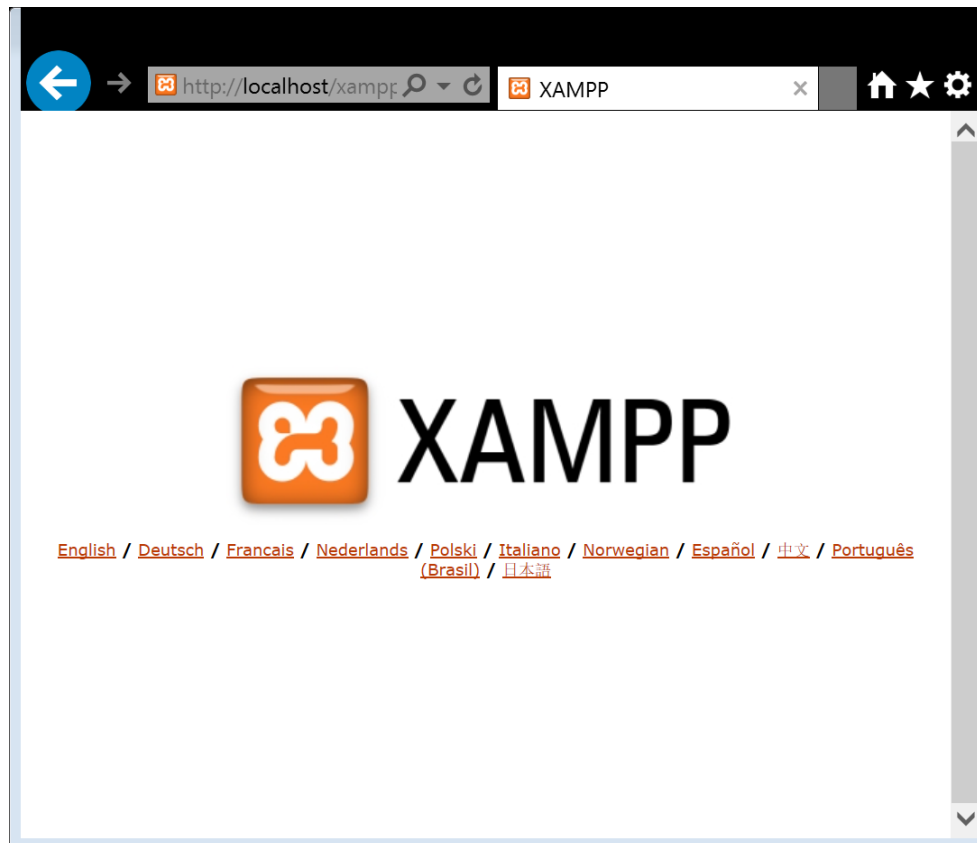
1. Start the XAMPP Control Panel by double-clicking the shortcut to the XAMPP Control Panel or from Start->All Programs->XAMPP->XAMPP Control Panel.
2. Use the XAMPP Control Panel to start and stop a server by clicking on the Start or Stop button.



Testing the Apache Server

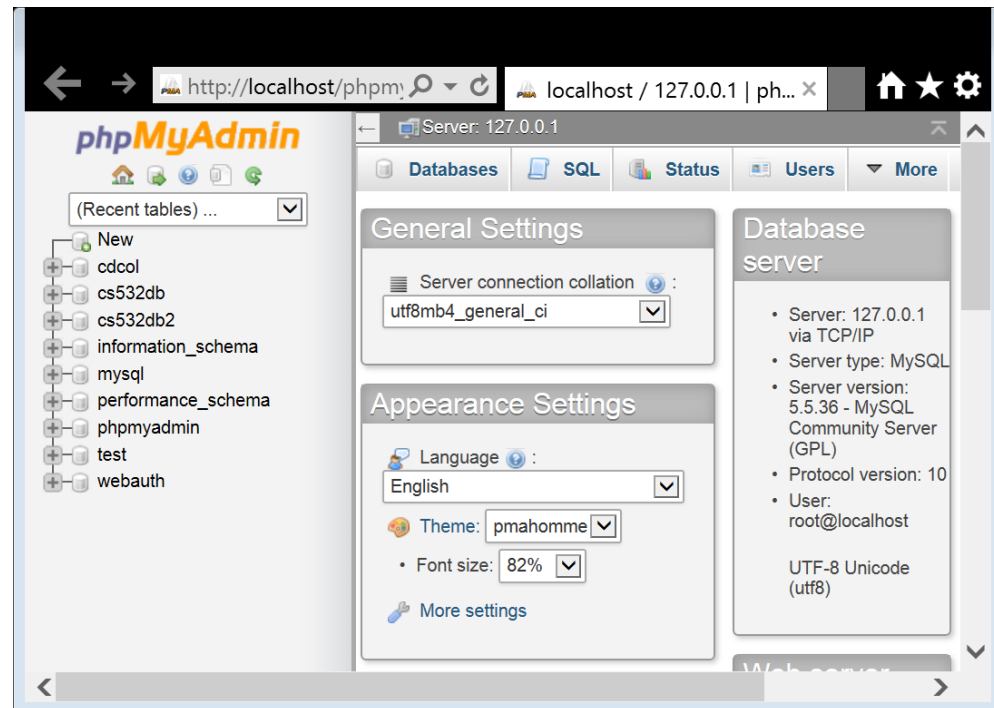
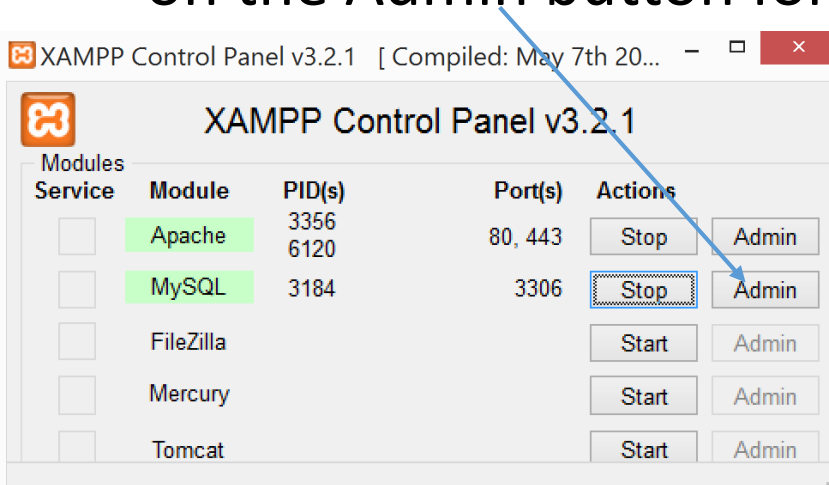
- Open the following URL in a web browser to test whether the Apache server is running or not.

`http://localhost:80`



The phpMyAdmin program

- The XAMPP includes a web-based tool for working with MySQL known as phpMyAdmin.
- Use the XAMPP Control Panel to start phpMyAdmin. Click on the Admin button for MySQL.

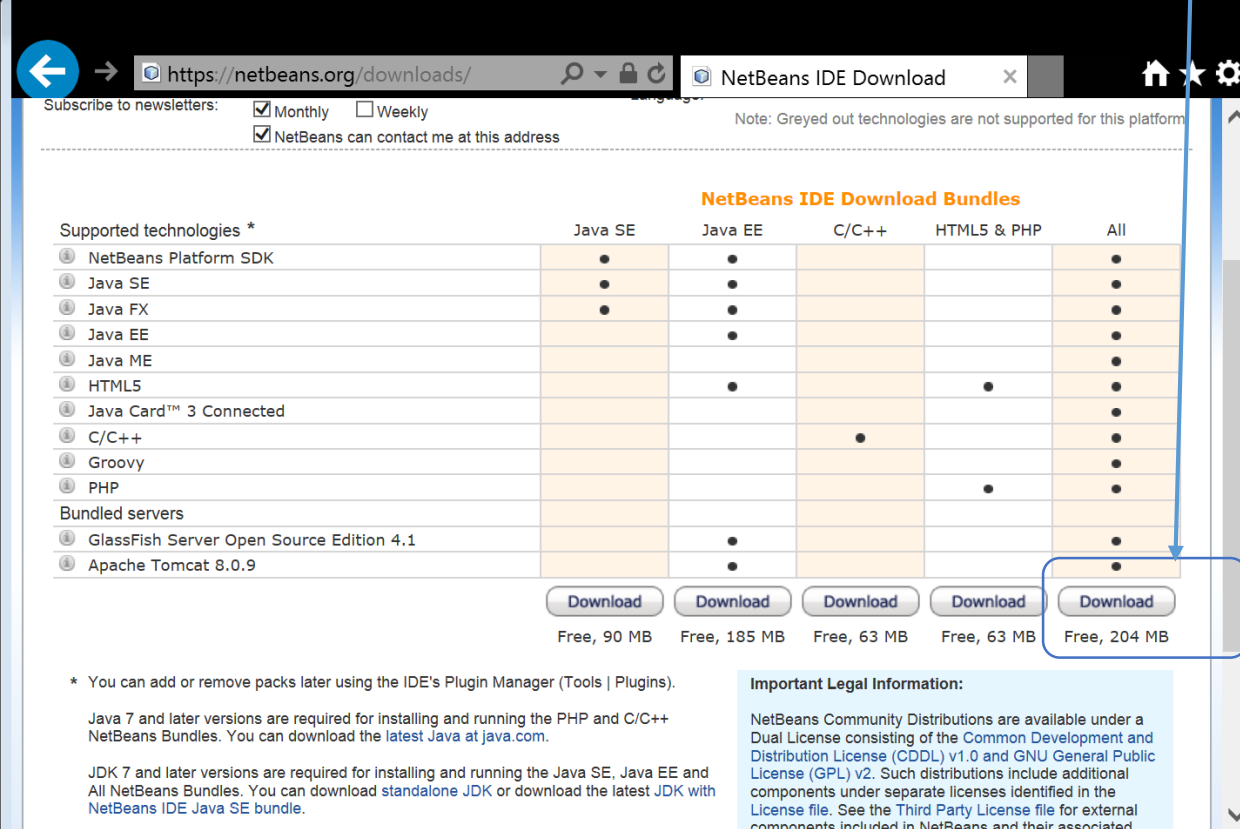


NetBeans

- We will be using NetBeans with xDebug as our primary development tool.
- The xDebug debugger is included as part of the XAMPP installation. However, it is not enabled by default. So you will need to enable it in order to debug your PHP application with Netbeans.

To install Netbeans

1. Go to the Netbeans web site
<http://www.netbeans.org>
2. Download the Netbeans IDE that supports HTML5 and PHP (or all for everything, it is recommended for other purposes).
3. Run the exe file and respond to the resulting dialog boxes.



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Note: Greyed out technologies are not supported for this platform

NetBeans IDE Download Bundles

Supported technologies *	Java SE	Java EE	C/C++	HTML5 & PHP	All
NetBeans Platform SDK	•	•			•
Java SE	•	•			•
Java FX	•	•			•
Java EE		•			•
Java ME					•
HTML5		•		•	•
Java Card™ 3 Connected					•
C/C++			•		•
Groovy					•
PHP				•	•
Bundled servers					
GlassFish Server Open Source Edition 4.1		•			•
Apache Tomcat 8.0.9		•			•

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* You can add or remove packs later using the IDE's Plugin Manager (Tools | Plugins).

Java 7 and later versions are required for installing and running the PHP and C/C++ NetBeans Bundles. You can download the [latest Java at java.com](#).

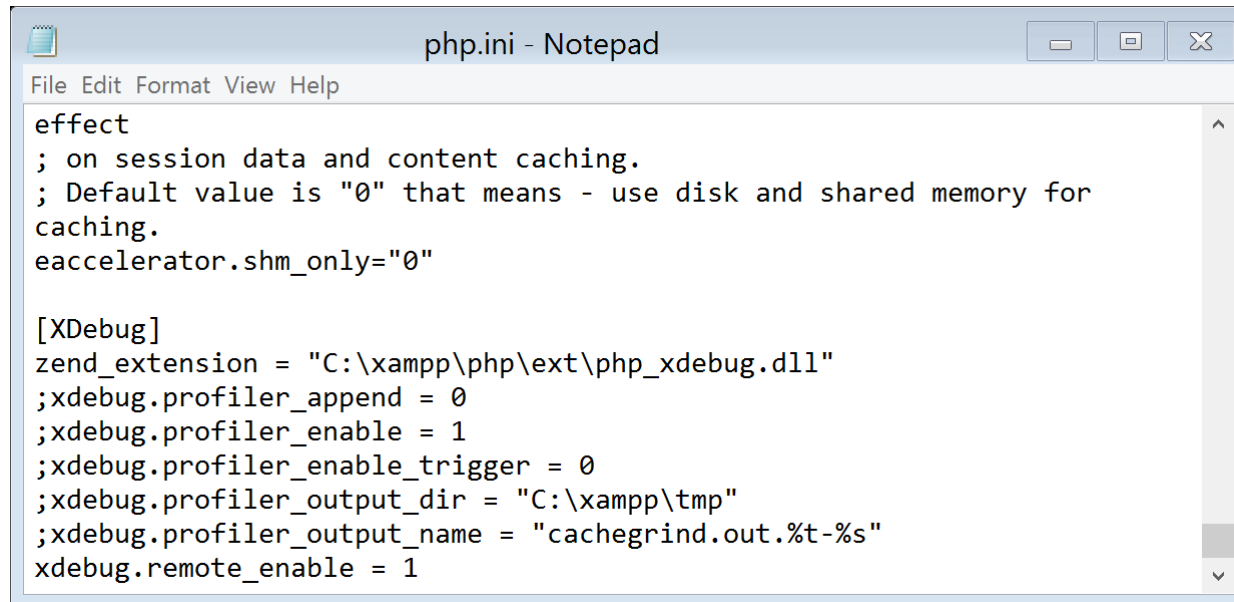
JDK 7 and later versions are required for installing and running the Java SE, Java EE and All NetBeans Bundles. You can download [standalone JDK](#) or download the [latest JDK with NetBeans IDE Java SE bundle](#).

Important Legal Information:

NetBeans Community Distributions are available under a Dual License consisting of the [Common Development and Distribution License \(CDDL\) v1.0](#) and [GNU General Public License \(GPL\) v2](#). Such distributions include additional components under separate licenses identified in the [License file](#). See the [Third Party License file](#) for external components included in NetBeans and their associated

To configure Netbeans to use the xDebug debugger

1. Open the php.ini file in a text editor. The file is normally located in:
c:\xampp\php\php.ini
2. Search for the line of code that contains text of "php_xdebug.dll"
3. Remove the semicolon at the start of the line. After that, the line should be like this:
zend_extension = "C:\xampp\php\ext\php_xdebug.dll"
4. Search for the line of code that contains text of "xdebug.remote_enabled=0".
5. Remove the semicolon at the start of the line, and change the 0 to 1. After that, the line should be like this:
xdebug.remote.enable = 1
6. Save your changes.
7. Stop and start Apache.



```
File Edit Format View Help
effect
; on session data and content caching.
; Default value is "0" that means - use disk and shared memory for
; caching.
; xdebug.profiler_append = 0
; xdebug.profiler_enable = 1
; xdebug.profiler_enable_trigger = 0
; xdebug.profiler_output_dir = "C:\xampp\tmp"
; xdebug.profiler_output_name = "cachegrind.out.%t-%s"
; xdebug.remote_enable = 0

[XDebug]
zend_extension = "C:\xampp\php\ext\php_xdebug.dll"
; xdebug.profiler_append = 0
; xdebug.profiler_enable = 1
; xdebug.profiler_enable_trigger = 0
; xdebug.profiler_output_dir = "C:\xampp\tmp"
; xdebug.profiler_output_name = "cachegrind.out.%t-%s"
xdebug.remote_enable = 1
```

To deploy and run a PHP application on a local server

1. Copy all of the directories and files for an application to the htdocs directory of an Apache server that is on your PC, typically C:\xampp\htdocs. This is where Apache looks for PHP applications.
2. To run your PHP application, open a web browser and type URLs for requesting applications from a local web server.

For example, a request for the default page in an application directory called MyBookApp.

`http://localhost:80/MyBookApp`