

LAMP on Windows

by

Kanchana Welagedara

Lanka Software

Foundation

www.opensource.lk

Agenda

- Introduction
- Installing XAMP
- Using XAMPP
- Web Developments using XAMPP and integrating IDE
- Trouble Shooting
- Resources
- Q&A

Introduction

- What is “LAMP”?

Linux

- Flavour of Unix developed by Linus Torvalds - kernel largely still is
- Many different versions available

Apache

- ‘A patchy web server’ -75% of Web uses Apache

MySQL

- Database application that is actually comparable to Oracle and others

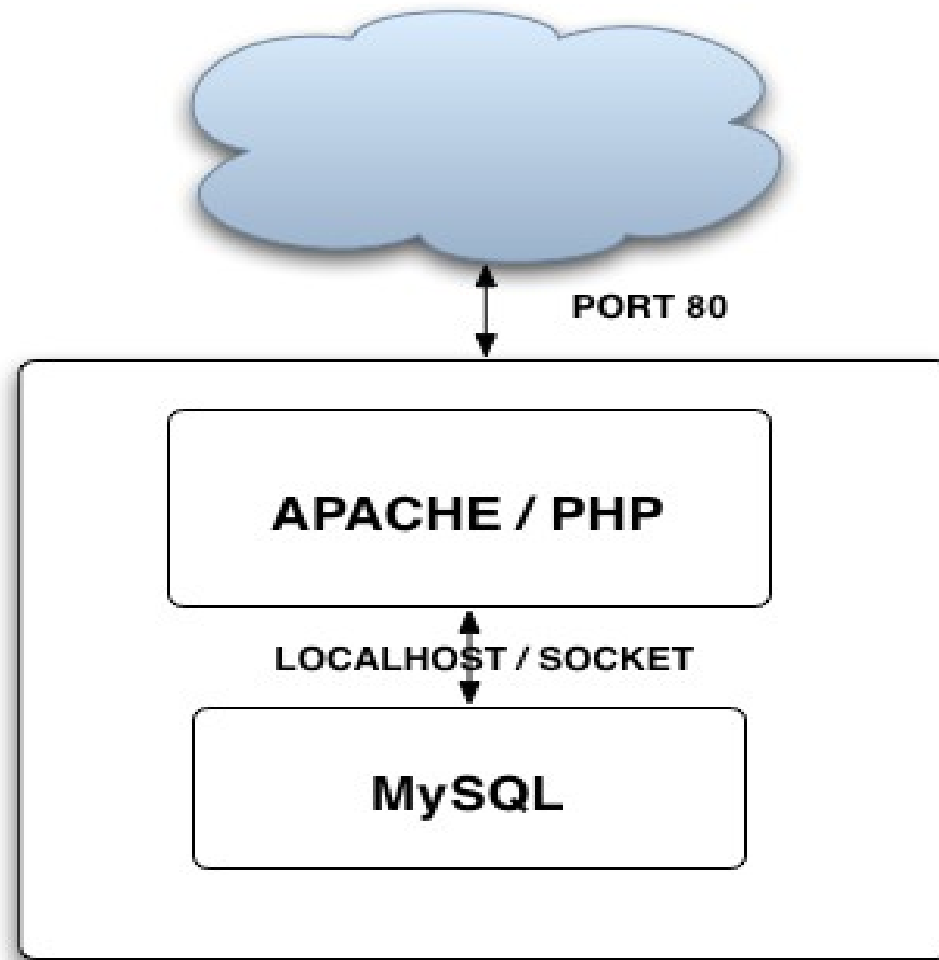
PHP

- Hypertext Pre-Processor - Server side scripting language.
- Currently at version 5.0

The LAMP Stack in Modern Enterprises

- Yahoo!
- Sabre Holdings
- Cox Communications
- The Associated Press
- Google
- NASA

Introduction-One Box



LAMP Stack Platform Support

- Almost Every Platform
- Linux
- Windows
- Solaris
- FreeBSD

Linux inside in Windows & Vise versa

- Why Not dual-boot ?

Why VMWARE?

- -- Can run many copies of Windows on one PC, all while Linux is doing its normal functions, without requiring a reboot. In other words, you could have Windows 98 and Windows 2000 running separately from each other in your Linux PC.
- -- Keeps the Windows operating system and all Windows programs isolated from Linux. A crash in Windows has no effect on your PC.
- -- Connects the Linux and Windows operating systems to each other by a virtual network within the PC. No networking card is needed.
- File sharing

File Sharing among physical and Virtual Machines

- WinSCP3 in Windows
- Putty
- SSH client
- Many Other

Apache Web server

- <http://httpd.apache.org/>
- The Number One HTTP server on the Internet
- Provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.
- Available for Almost all the modern operating systems including Unix and Windows
- More than 70% of the web sites on the Internet are using Apache

MySQL

- Enterprise Uses MYSQL Heavily
- Release under twp types of Licensing
- Advanced Features
- One of the Leading open source DB
- www.mysql.org

PHP: Hypertext Preprocessor

- An open-source server-side scripting language which can be embedded within HTML
- widely-used as a general-purpose scripting language and especially suited for Web development and can be embedded into HTML
- OOP Features are available in PHP 5
- PEAR(PHP Extension and Application Repository) provide reusable libraries and components for PHP developments

What is XAMPP ?

- www.apachefriends.org

How XAMPP Community Access

- Easy to use software (see our Apache distribution XAMPP below).
- Easy to read documentation (Sorry, all texts apart from the FAQ are only available in German, our »Apache für Dummies« book for example).
- The creation of an online community for helping each other out should any questions or problems arise (see our Forums or Chats for further resources).
- If you want to know more about Apache Friends please take a look at our Apache Friends FAQ page.

XAMPP Platform Support

Linux systems (tested for Ubuntu, SuSE, RedHat, Mandrake and Debian),




A version for Windows 98, NT, 2000, 2003, XP and Vista,

A beta version for Solaris SPARC (developed and tested under Solaris 8),

A beta version for Mac OS X.

Installing XAMPP on Windows

XAMPP for Windows 1.5.1, January 08th 2006

Version	Size	Content
XAMPP Windows 1.5.1 [basic package]		Apache HTTPD 2.2.0 + Switch, MiniPerl 5. PHPMyAdmin 2.7.0 0.9.4, Webalizer 2.0 und NetWare System 2.8.15, ADODB 4.65 Windows 98, 2000,
 Installer [MD5]	29 MB	Installer
 ZIP [MD5]	77 MB	ZIP archive
 EXE (7-zip) [MD5]	26 MB	Selfextracting 7-Z

Demonstration in XAMPP

Setting up the Environment for LAMP developments

- Installing XAMPP -Done
- Installing an IDE PHP Developments
 - 1.Installing Java
 - 2.installing Eclipse
 - 3.Upgrading to PHP eclipse
- Configuring XAMPP with PHPEclipse

Resources

- www.apachefriends.org
- www.eclipse.org
- www.PHP.net
- www.mysql.org
- http://www.plog4u.org/index.php/Using_PHP_Ecl

Developing Sample Application with XAMPP

Q & A ?

Thank You!

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