

Special Topics


LAMP Technologies




LAMP

- The acronym **LAMP** refers to a set of free software programs commonly used together to run dynamic Web sites or servers:
 - **Linux**, the operating system;
 - **Apache**, the Web server;
 - **MySQL**, the database management system (or database server);
 - **PHP** (Sometimes Perl or Python), the programming language.
- The combination of these technologies is used primarily to define a web server infrastructure, define a programming paradigm of developing software, and establish a software distribution package.

Apache

-  **The Apache Software Foundation**
<http://www.apache.org/>
- httpd.apache.org
- The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows NT. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.
- Apache has been the **most popular web server on the Internet since April of 1996**. More than 68% of the web sites on the Internet are using Apache, thus making it more widely used than all other web servers combined.

PHP

- The PHP logo consists of the lowercase letters 'php' in a bold, italicized, sans-serif font, enclosed within a blue oval with a black border.
- www.php.net
- **PHP** is a popular open-source, reflective programming language used mainly for developing server-side applications and dynamic web content. It was originally developed in 1994 and PHP stood for "**P**ersonal **H**ome **P**age". In 2000 the Zend Engine was added and now the official meaning is the recursive acronym "**P**HP **H**ypertext **P**reprocessor".
- PHP is currently one of the most popular server-side scripting systems on the Web. It has been widely adopted since the release of version 4. On the desktop it has been favored by some new programmers as a rapid prototyping environment.

MySQL



- www.mysql.com
- **MySQL** is a multithreaded, multi-user, SQL (Structured Query Language) Database Management System (DBMS) with an estimated six million installations. MySQL is open source software available either under the GNU General Public License (GPL) or under other licenses when the GPL is inapplicable to the intended use. ¹
- Unlike projects such as Apache, where the software is developed by a public community, and is essentially not owned by anyone, MySQL is owned and sponsored by a single for-profit firm, the Swedish company MySQL AB. The company develops and maintains the system, selling support and service contracts, as well as commercially-licensed copies of MySQL, and employing people all over the world who work together via the Internet. Two Swedes and a Finn founded MySQL AB: David Axmark, Allan Larsson and Michael "Monty" Widenius.²

(1) - en.wikipedia.org/wiki/MySQL

(2) - Wikipedia is based on MySQL. There are more than 200 million queries and 1.2 million updates per day with peak loads of 11,000 queries per second

XAMPP

XAMPP for Windows

The XAMPP 1.5.5 is available!

New:

- Apache 2.2.3
- MySQL 5.0.27
- PHP 5.2.0 & PHP 4.4.4
- phpMyAdmin 2.9.1.1
- FileZilla FTP Server 0.9.20
- OpenSSL 0.9.8d

A great thank you for Chris from www.nat32.com for his fast adaption of his XAMPP Control Panel. Older versions of XAMPP (even the "old" WAMPP) can be downloaded directly from

 [Source Forge](http://sourceforge.net).



<http://www.apachefriends.org/en/xampp-windows.html>

DokuWiki

[[wiki:dokuwiki]] DOKUWIKI

Show pagesource Old revisions Recent changes Search

Trace: » dokuwiki

DokuWiki



DokuWiki is a standards compliant, simple to use **W**iki, mainly aimed at creating documentation of any kind. It is targeted at developer teams, workgroups and small companies. It has a simple but powerful **syntax** which makes sure the datafiles remain readable outside the Wiki and eases the creation of structured texts. All data is stored in plain text files – no database is required.

Read the [DokuWiki Manual](#) to unleash the full power of DokuWiki.

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Download

DokuWiki is available at <http://www.splitbrain.org/go/dokuwiki>

Read More

All documentation and additional information besides the **syntax description** is maintained in the DokuWiki at wiki.splitbrain.org.

About DokuWiki

- A feature list
- Happy Users
- Who wrote about it
- What Bloggers think

www.splitbrain.org/dokuwiki/wiki:dokuwiki

Useful Web Sites

- www.howtoforge.com/ - Linux Howtos and Tutorials
- www.apachefriends.org/ - Apache Friends is a non-profit project to promote the Apache web server
- <http://www.apachefriends.org/en/xampp.html> - XAMPP is an easy to install Apache distribution containing MySQL, PHP and Perl. XAMPP is really very easy to install and to use - just download, extract and start.
- www.splitbrain.org/dokuwiki/wiki:dokuwiki - a standards compliant, simple to use Wiki, mainly aimed at creating documentation of any kind.

Side Effects



<http://www.thinkgeek.com/tshirts/>

Assignment #3

- **Research** these two RFCs: **RFC1129** and **RFC968**. Given a **brief** - paragraph, not a single sentence – **description** based on the abstract, introduction, or basic content
- Pick **google.com** and one other site. Using **whois** and **ARIN**, get as much information as possible about the IP addressing, the DNS and the site (location, owner, etc.)
- **Due ~~next Wednesday, December 6~~ Today** – or you can email it earlier

Final Exam

- **Take Home Exam** (on web site)
- Six Questions – Answer All of Them
- **Due December 18 or Earlier!**
- **Absolutely No Lateness**
- All other assignments must be in before the 11th
- **Next Class – Monday, 12/11** – Short Lecture On Limitations of Computing

Have A Nice Weekend

