

Introduction to PHP



PHP (hypertext Preprocessor) is a universally utilized open source scripting dialect that is particularly suited for web improvement and can be inserted into HTML.

Rather than heaps of summons to yield HTML (as seen in C or Perl), PHP pages contain HTML with inbuilt code that does "something" (for this situation, yield "I'm a PHP code!"). The PHP code is encased in uncommon begin and end handling directions `<?php` and `?>` that permit you to bounce into and out of "PHP mode."



PHP program example:

```
<?php  
    echo "Hello World";  
?>
```

What recognizes PHP from something like customer side JavaScript is that the code is executed on the server, creating HTML which is then sent to the customer. The customer would get the consequences of running that script, however would not

comprehend what the underlying code was. You can even design your web server to process all your HTML records with PHP, and after that there's truly no chance that clients can tell what you have up your sleeve.

The vantages in utilizing PHP are: it is amazingly straightforward for a newcomer, however offers numerous progressed peculiarities for an expert software engineer.

Don't be perplexed perusing the long rundown of PHP's gimmicks. You can bounce in, in a brief time, and begin composing straightforward scripts in a couple of hours.

What Can PHP Do?

- PHP can generate dynamic page content
- PHP can create, open, read, write, delete, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can restrict users to access some pages on your website
- PHP can encrypt data

Why PHP?

- PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
- PHP is compatible with almost all servers used today (Apache, IIS, etc.)
- PHP supports a wide range of databases
- PHP is free. Download it from the official PHP resource: www.php.net
- PHP is easy to learn and runs efficiently on the server side.

PHP Versions

PHP/FI 2

PHP 3

PHP 4

PHP 5

PHP Frameworks

PHP Framework	PH P4	PH P5	MVC	Multiple DB's	ORM	DB Objects	Templates	Caching	Validation	Ajax	Auth Module	Modules	EDP
Akelos	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
ash.MVC	-	✓	✓	-	-	✓	✓	-	✓	-	✓	✓	-
CakePHP	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-
CodeIgniter	✓	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-
DIY	-	✓	✓	-	✓	✓	✓	✓	-	✓	-	-	-
eZ Components	-	✓	-	✓	-	✓	✓	✓	✓	-	-	-	-
Fusebox	✓	✓	✓	✓	-	-	-	✓	-	✓	-	✓	-
PHP on TRAX	-	✓	✓	✓	✓	✓	-	-	✓	✓	-	✓	-
PHPDevShell	-	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	-
PhpOpenbiz	-	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	-	-
Prado	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
QPHP	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	✓	✓
Seagull	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Symfony	-	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-
WACT	✓	✓	✓	✓	-	✓	✓	-	✓	-	-	✓	-
WASP	-	✓	✓	-	-	✓	✓	-	✓	✓	✓	✓	-
Yii	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Zend	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
ooP	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-

PHP vs JSP Comparison

PHP is the most prominent, yes, in light of the fact that it's not difficult to learn (OOP is not compulsory for PHP, for instance), suits all programming styles, it's not difficult to setup, keep up and therefore it offers the dominant part in facilitating bundles.

JSP is more endeavor, high support keeping in mind likewise not very hard to learn, it does implement OOP (well, its Java truth be told) and provides a requested way of considering. This is an extraordinary point of interest IMHO.

Likewise, JSP is just moderate if utilized erroneously. Since JSP runs precompiled, hypothetically it ought to whip PHP hands where pace is concerned. PHP is translated each time a page is gotten to, bringing about tremendous overhead that is sort of relieved by different reserving frameworks. JSP "pages" are incorporated into byte code that runs (much the same as a project) and yields the HTML code.

There's nothing preventing you from learning both (I did). I propose you learn JSP first and PHP second, as JSP will implement a great deal of great programming propensities on you. Since PHP is simpler, you can add it to your JSP establishment later. I did it the other route around and I needed to strive to dump all the negative behavioral patterns, I got from common lethargy (that PHP supports).

PHP vs ASP.net Comparison

Scalability and Ease of Maintenance

Scalability and ease of maintenance have nothing to do with, whether you select PHP or ASP.net platform. Web Application scalability and ease of maintenance primarily depend on:

- Programmers' experience
- Using the best programming practices
- Using a solid programming framework
- Following programming guidelines and standards

Cost:

PHP, MySQL server, Postgresql server, Apache server, and Linux OS are all free and redesigns are additionally free. Moreover, there is no extra authorizing expense for having an alternate hot standby server as reinforcement, or expecting to run numerous servers for burden adjusting or server bunching.

Light (Linux, Apache, MySQL and PHP) is additionally substantially more main stream among facilitating organizations, and its prominence brings about a lower month to month facilitating expense for LAMP facilitating contrasted with Windows facilitating.

Asp.net and IIS are free in the event that you buy Windows OS. There is a significant permitting expense for a Microsoft Windows Server, Microsoft SQL Server and future updates. For instance, Microsoft Server 2008 R2 Standard - 64-bit expense is about \$1029 and Microsoft SQL Server 2008 Standard Edition for Small Business cost pretty nearly \$1038.

The above authorizing expenses for Microsoft can generously increment if the site gets to be well known and there is a need to run the site on numerous servers or obliges server gimmicks, for example, burden adjusting, server bunching or hot standby.

Support and Resources

Since LAMP is open source, there is an immense measure of devoted and cordial engineers as far and wide as possible who persistently make upgrades and redesigns, and give backing to the stage. Moreover, there are more help assets and engineers accessible for PHP and LAMP Platforms.

The motivation behind why I specified the expression "amicable," is on account of Open Source engineers who help the Open Source group are doing so not for money related increase. On the off chance that you look for help with a usefulness test and post an inquiry on a PHP gathering, you will get helpful data from agreeable supporters.

Asp.net depends on an accessible number of engineers at Microsoft for making changes and redesigns. There are less help patrons accessible to illuminate Asp.net challenges

Editors and Tools

PHP & MySQL is proofreader autonomous. PHP designers have admittance to a far reaching number of editors.

Most Asp.net software engineers depend on Microsoft Visual Studio editorial manager to help them create .NET Applications. (Numerous Asp.net designers cherish and swear by the Microsoft Visual Studio.)

It is an alternate style of programming — PHP and open source engineers have a tendency to utilize content managers, for example, VI, VIM, Notepad ++ and so on..

VI and VIM are extremely praiseworthy and autonomous editors, and the developers who learn and utilize those editors minus all potential limitations capacities can perform exceptionally intricate programming, in a quick, effective and freeway. Those developers have more control and adaptability, and regarding the need of utilizing and incorporating other vital stages, for example, JavaScript, Ajax, JQuery, and so forth., the PHP designers have a finer playing point in light of their recognition with the open source environment and hand coding utilizing VI or VIM editor.

Platform Independent

PHP is platform independent and can run on any platform — Linux, Unix, Mac OS X, Windows. ASP.net is built to run only on Windows platform.

Time to Deploy

It takes a bigger sum (more lines) of code to fulfill complex peculiarities and usefulness with Asp.net contrasted with PHP, adding more of a chance to the improvement process.

Moreover, PHP is deciphered at the server, so when changing a usefulness, no extra steps are obliged to see the progressions. Then again, Asp.net needs to be accumulated each one time the code is altered. Once more, the advancement procedure is more prolonged when utilizing Asp.net rather than PHP.

Which popular sites run on which platforms?

Site	Server	Programming
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	Platform	Language
Google.com	Linux	C, Java, C++, PHP & MySQL
Facebook.com	Linux	PHP, MySQL and C++
YouTube.com	Linux	C, Java and MySQL
Yahoo.com	Linux	C++, C, Java, PHP & MySQL
MSN.com (owned by Microsoft)	Windows	ASP.net
Live.com (owned by Microsoft)	Windows	ASP.net
Wikipedia	Linux	PHP & MySQL
Amazon.com	Linux & Solaris	C++, Java, J2EE
WordPress.com	Linux	PHP & MySQL

Popularity

The LAMP stage is significantly more well-known than the Windows stage. In view of Netcraft's July 2010 Web Server Survey of 205,714,253 locales, 112,945,968 (54.90%) are facilitated on Apache and 53,217,620 (25.87%) are facilitated on Windows, the rest are facilitated on different stages.

Where PHP is used?

PHP Tools (CMS/E- Commerce)

1. Word press
2. Drupal
3. Joomla
4. Open cart
5. Magento
6. Moodle (Open-source learning platform)

And many more tools based on PHP.

PHP Frame Works

1. Zend
2. Codeigniter (Open source framework)

Facebook

Facebook is also providing PHP jobs.

Xento Systems

Xento Systems is a Product Based Organization with more than 600 IT Professionals including 300+ PHP Developers working with a healthy dose of creativity and innovation. They

are looking for Development Samurai's... Ninja's... Jedi's... & Wizards. They promote an open atmosphere, where team members freely voice new ideas and are involved in all phases of our growth. At Xento Systems, working is not just work it's fun.

Name: Xento Systems Pvt. Ltd.

Location: **Pune**

<http://www.xento.com/careers>

Hidden Brains

Hidden Brains is IT consulting and solution providers of next-gen business collaborate with customers throughout the world. With exceptional experience, comprehensive intelligence system across diverse industries and domains, we work with customers to turn them into some of the most successful and high-performance Organizations.

Name: **Hidden Brains InfoTech Pvt. Ltd**

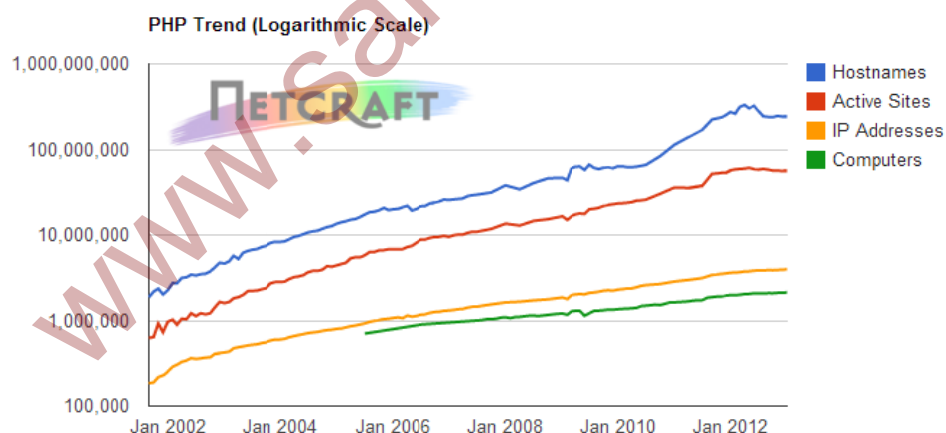
Location: **Ahmedabad**

<http://www.hiddenbrains.com/job-technology-3-openings.html>

These are some companies providing an opportunity on **PHP**

Now a day's most of the websites, CMSs, CRMs and E-Commerce applications are developing on PHP because it is cross platform and light weight.

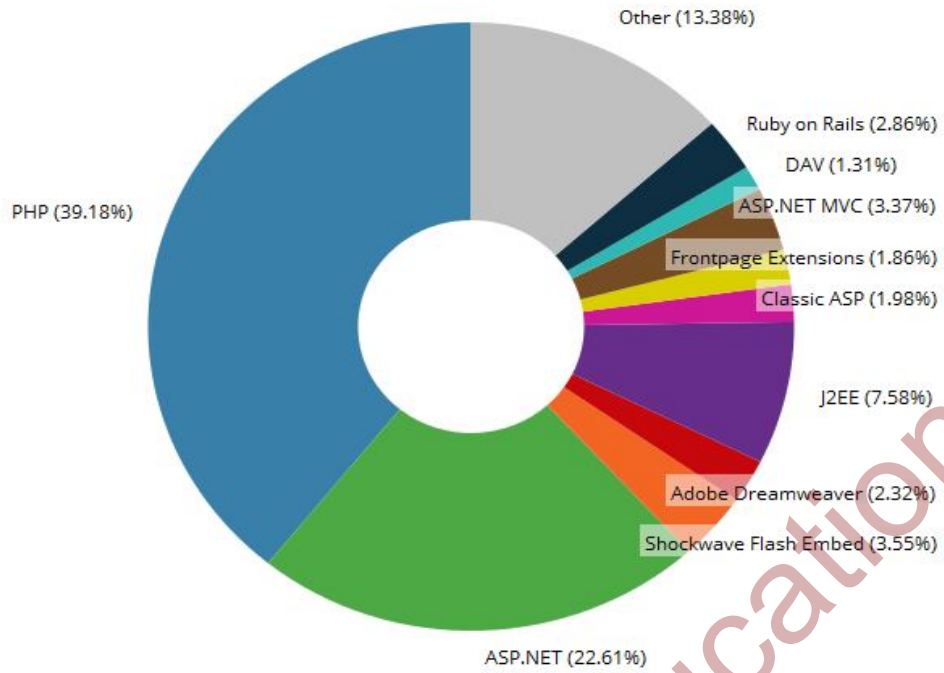
PHP just grows & grows



Source: [Net craft](#)

Framework Usage Statistics

Statistics for websites using Framework technologies



Source: [Built with](#)