

SGG 3643

Programming III

HTML, PHP & GIS

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PHP is an acronym for PHP Hypertext Processor.

I found my backup strategy. It's called PHP.
I still program on Windows,
but I know my PHP program will run on
Solaris, Linux and many other operating systems.
I have peace of mind.

Rasmus Lerdorf

http://php.weblogs.com/php_asp_7_reasons



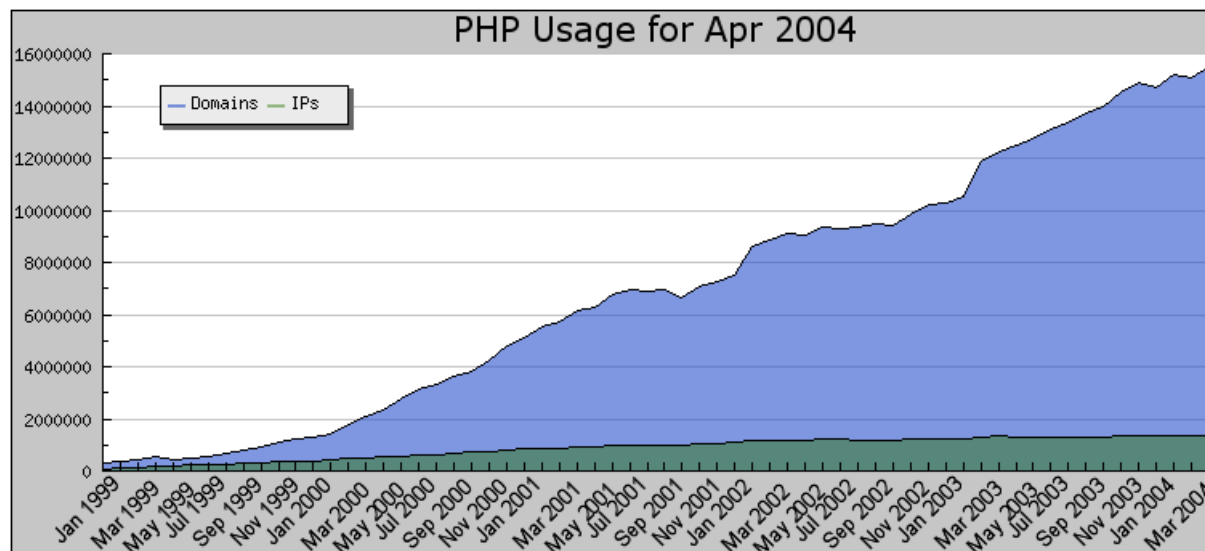
PHP

- n PHP – an Open Source project of the Apache Software Foundation.
- n Originally developed by Rasmus Lerdorf – is a widely-used general-purpose scripting language that is especially suited for Web development and can be embedded into HTML.
- n PHP's syntax draws upon C, Java, and Perl, and is easy to learn. The main goal of the language is to allow web developers to write dynamically generated web pages quickly, but you can do much more with PHP.

PHP

- Based on a sample of 11,869,645 domains, the following table illustrates the growth of PHP.

(Source: <http://www.php.net/usage.php>)



Example:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN
  http://www.w3.org/TR/html4/strict.dtd">
<html>
<head>
<title>PHP-Test</title>
</head>
<body bgcolor="white">
<?php
  print "<h1>";
  print "Welcome to PHP!";
  print "</h1>";
?>
</body>
</html>
```

PHP References

- § <http://www.php.net/> including the download page
<http://www.php.net/downloads.php>
- § <http://www.zend.com/> Home page of Zend Technologies
(commercial products like ZendEngine, ZendCache, etc)
- § PHPLIB: <http://phplib.netuse.de/>
- § phpMyAdmin <http://www.phpwizard.net/phpmyadmin/>
- § phpOracleAdmin <http://www.phporacleadmin.org/>
- § PHPDoc <http://www.phpdoc.de/>
- § Menu3 <http://www.ulf-wendel.de/projekte/menu/>
- § PHPAds <http://www.phpwizard.net/phpads/>

Integration with GIS

HTML / PHP + GIS:

- n Image map is a static map – you don't have much freedom to manipulate the map!
- n It is just a map embedded in html document.
- n Excellent tool for static map display. Display map as it is!
- n No zoom in, zoom out, etc.
- n Solution? Web GIS packages like ArcIMS, MapGuide, and free map servers.



Integration with GIS

```

<?
header("Content-type: image/svg+xml");
print('<?xml version="1.0" encoding="Iso-8859-1"?>');
$width = 800;
$height = 700;
$host = "localhost";
$user = "gis";
$password = "svg";
$user = "root";
$password = "";
$database = "svg_geom";
$serveradmin = "admin@yourdb.tld";
$con = @mysql_pconnect($host, $user, $password);
// or die
// ("Connection failed, contact $serveradmin !");
if(!$con) {
    $mytext = "Connection failed, contact $serveradmin !";
?>
<text x="30100" y="21000" style="font-size:100;"><?=$mytext;?></text>
<?>
//@mysql_select_db($database) or die
//("Could not select $database, contact $serveradmin !");
//$con = mysql_connect("localhost", "root", "");
if (mysql_select_db("svg_geom") == True)
{
    $sqlString1 = "SELECT * FROM query2_geom";
    $rs1 = mysql_query($sqlString1);
?>

```

```

<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 20010904//EN"
"http://www.w3.org/TR/2001/REC-SVG-
20010904/DTD/svg10.dtd">
<svg width="<?=$width?>px" height="<?=$height?>px"
viewBox="3000 18000 53618 32810.89">
<g id="Europe_GEOM" >
<?
    while ($line1 = mysql_fetch_array($rs1))
    {
        $data1 = $line1["SVG_Geom"];
?>
<?=$data1?>
<? echo("\n") ?>
<?php
    }
?>
</g>
<?
        mysql_free_result($rs1);
        mysql_close($con);
    }
?>
</svg>

```