# Configuring and Testing PHP Support in Microsoft Windows 2000 IIS 5

By default Microsoft Windows 2000 IIS server is not supportable to interpret the PHP web files. In this article, we will configure IIS to host web pages with PHP file extensions like asp and html pages.

To accomplish this task you should have to undergo the following steps.

- Getting and installing the latest PHP installer for Windows.
- Confirming the PHP Mapping.
- Testing PHP Files.

### Getting and Installing PHP Installer:

Latest PHP installer for Windows can be obtained from the following location.

#### http://www.php.net/downloads.php.

After downloading the latest PHP installer, please follow these steps for its proper installation on Microsoft Windows 2000.

- 1. Double click on the installer file to execute its installation.
- 2. In the first step, you will get a **Welcome** Window as shown below.
- 3. Click **Next** to continue.



4. Read the License Agreement and then Click I Agree Button to continue.



5. As a beginner level user, select the **Standard** Type of Installation and click **Next** to continue.

🛃 Installation Type		×
	Please select the type of installation you require. Standard Advanced	
HYPERTEXT PREPROCESSOR	< <u>B</u> ack ( <u>Next&gt;</u> ) Cancel	

6. Select the Destination Installation folder (Default C:\PHP) and Click Next to continue.

覺 Choose Destination Lo	cation	×
	Setup will install PHP 4.3.2 in the following folder. To install into a different folder, click Browse, and select another folder. You can choose not to install PHP 4.3.2 by clicking Cancel to exit Setup.	
HYPERTEXT PREPROCESSOR	C:\PHP Browse	
	< <u>B</u> ack Next > Cancel	

7. In the **Mail Configuration** Window, enter your desired mail configuration and click **Next** to continue.

🚰 Mail Configuration		x
	Please enter the address of your SMTP server. localhost Please enter the 'from' address for the mail function. me@localhost.com	]
HYPERTEXT PREPROCESSOR	< <u>B</u> ack Cancel	-

8. You are installing PHP installer for Microsoft Windows 2000 IIS 5, Select this server type in the **Server Type** selection window and then click **Next** to continue.



9. After providing the desired information, Click **Next** button to start the installation in the **Start Installation** Window.

鐞 Start Installation		×
Hypertext Preprocessor	You are now ready to install PHP 4.3.2. Press the Next button to begin the installation or the Back button to reenter the installation information.	
	< <u>B</u> ack Next> Cancel	

10. The installation phase will continue to copy the desired files to the destination folder.



11. During Installation, you will be asked to map .PHP file extensions to your **WWW Service Master Properties**. This setting will parse the PHP files in IIS. Select this service and click **OK** to continue.

IIS Scriptmap Node Selection	
Please select the scriptmap nodes in your IIS structure to mappings. File extensions to be mapped are: .php	which you wish to add the PHP
WWW Service Master Properties	
Select all	
Select none	Ok Cancel

12. You will get an **Installation Complete** Window. Press **OK** button to exit the installation window.

Installa	tion complete 🔀
	PHP 4.3.2 has been successfully installed.
~	Press the OK button to exit this installation.
	NT users may need to set appropriate permissions for the various php files and directories. Usually IUSR_MachineName will need read write access to the uploadtmp and session directories, and execute access for php.exe and php4ts.dll.
	ОК

You have successfully installed the PHP 4.3.2 installer on Microsoft Windows 2000 IIS server to support PHP files.

## **Confirming the PHP Mapping:**

To check and confirm that successful mapping has been configured or not to parse PHP files, follow these steps.

- 13. Start Internet Services Manager from Start → Programs → Administrative Tools → Internet Services Manager.
- 14. In the Internet Services Manager, **Highlight** your web server, right click and open its **Properties** window.

Action       View       Image: Construction       State       He         Internet Information Services       Description       State       He         Image: Connect       Description       State       He         Image: Connect       Description       State       He         Image: Connect       Disconnect       It Web Site       Running         Image: Connect       Backup/Restore Configuration       Restart IIS       It SMTP Virtual Server (S       Stopped         Image: Connect       New       All Tasks       It NNTP Virtual Server (S       Stopped
Tree       Description       State       He         Internet Information Services       Default FTP Site       Running         Image: Service Connect       It Web Site       Running         Image: Service Configuration       Backup/Restore Configuration       It SMTP Virtual Server (S Stopped         It NNTP Virtual Server (S Stopped       It NNTP Virtual Server (S Stopped         It New       All Tasks       It Notes
Internet Information Services       Default FTP Site       Running         Image: Set of the service of the ser
View  Refresh Export List Properties Help
Comers property sheet for the current selection

15. Select WWW Service in the Master Properties Section and click Edit Button Next to it.

* server Properties	×
Internet Information Services Server Extensions	
Master Properties Edit the properties inherited by all sites created on this computer. Master Properties: WWW Service	
Enable Bandwidth Throttling	
Limit network bandwidth available for all Web and FTP sites on this computer.	
Maximum network use: 1,024 kb/s	
Computer MIME Map Configure the MIME types for all web sites on this computer. Edit	
OK Cancel Apply Help	

16. Click the Home Directory Tab in the WWW Service Master Properties Window.

VW Service I	Master Prope	rties for server		
Documents	Directory Se	curity   HTTP He	aders Custom	Errors Service
Web Site	Operators	Performance	ISAPI Filters	Home Directory
When conne	ecting to this res	ource, the content s	hould come from:	
	🖸 A di	ectory located on th	s computer	
	O A sł	are located on anoth	er computer	
	O A re	direction to a URL		
				- 1
Local Path:				Browse
📃 Script so	urce access	🗹 Le	og visits	
Read		ln In	dex this resource	
Director				
	2 browsing			
Application :	pettings			
Application r	name:			Remove
Starting poir	it <v< td=""><td>/eb Master Propertie</td><td>s&gt;</td><td>Configuration</td></v<>	/eb Master Propertie	s>	Configuration
Execute Per	missions: N	one	<b>•</b>	Conliguration
Application I	Protection:	ow (IIS Process)	<b>v</b>	Unload
		OK Can	el Apply	Help

17. Click **Configuration** Button in the **Application Settings** section to confirm the PHP Application mapping to parse **.PHP** files.

WW Service	Master Prope	rties for server		×
Documents Web Site	Directory Ser Operators	curity   HTTPHe   Performance	aders   Custom ISAPI Filters	Errors Service Home Directory
When conne	ecting to this res C A dir C A sh C A rec	ource, the content s ectory located on thi are located on anoth direction to a URL	nould come from: s computer er computer	
Local Path: Script so Read Write Directory Application	v browsing Settings	▼ Lo ▼ In	ng visits dex this resource	Browse
Application (	name:			Remove
Starting poir Execute Per	nt: <w< th=""><th>/eb Master Propertie: one</th><th>» •</th><th>Configuration</th></w<>	/eb Master Propertie: one	» •	Configuration
Application	Protection: Lc	ow (IIS Process)	el Apply	Help

18. You will notice that **.PHP extension** has been added and IIS 5 has been configured to support .PHP files.

Application Con	figuration	X
App Mappings	App Options Process Options App Debugging	
Cache ISA	NPI applications	
Extension	Executable Path Verbs	
.asp .cer .cdx .asa .htr .idc .shtm .shtml .stm .printer .php	C:\WINNTS\System32\inetsrv\asp.dll       GET,HEAD,         C:\WINNTS\System32\inetsrv\asp.dll       GET,HEAD,         C:\WINNTS\System32\inetsrv\asp.dll       GET,HEAD,         C:\WINNTS\System32\inetsrv\asp.dll       GET,HEAD,         C:\WINNTS\System32\inetsrv\asp.dll       GET,HEAD,         C:\WINNTS\System32\inetsrv\asp.dll       GET,HEAD,         C:\WINNTS\System32\inetsrv\asp.dll       GET,POST         C:\WINNTS\System32\inetsrv\ssinc.dll       GET,POST         C:\PHP\php.exe       (all)	
Add	Edit Remove	
	OK Cancel Apply Help	

**Note:** After successfully installing PHP installer, if the .PHP extension is missing in the above mapping window, then you can manually add the mapping by clicking the **Add** button and then providing the desired information as shown below.

Add/Edit Applicat	ion Extension Mapping	×
Executable:	C:\PHP\php.exe	Browse
Extension:	.php	
Verbs		
Script engine	exists OK Cancel	Help

19. Close all the above opened windows.

Your web server is successfully configured to support PHP files.

## **Testing PHP Files:**

After successfully installing the PHP installer and configuring the PHP mapping in IIS, now we will test the support of IIS for PHP files by creating and browsing a PHP web page.

Please follow these steps.

20. Open Notepad and type the following in it

```
<?php
phpinfo();
?>
```

**Note:** phpinfo() is a PHP function which outputs a large amount of information about the current state of PHP.

🖾 Untitled - Notepad	
File Edit Format Help	
php<br phpinfo(); ?>	4
	-

21. Save this file as test.php at C:\INETPUB\WWWROOT or your IIS Web Root Folder or any desired location (We saved in the WWWRoot directory).

if you are going to place this file under another folder, you should enable this folder web sharing under your default website or any desired website to access it through browser.

**Note:** During saving the file, don't forget to put inverted commas around your file name. Otherwise it will be saved as a simple text file not a PHP file.

Save As					<u>? ×</u>
Save in:	🔁 www.root		•	🗢 🗈 💣 🔳	-
History History Desktop My Documents My Computer	jorivate  images				
Mu Network P	File name:	"test.php"		•	Save
my recordine i	Save as type:	Text Documents (*.txt)		•	Cancel
	Encoding:	ANSI		•	1.

22. Launch the respective URL (if placed in the WWWRoot folder then <a href="http://localhost/test.php">http://localhost/test.php</a>). You will get the following output in your browser window.

🚳 phpinfo() - Microsoft Internet Explorer						
File Edit View Favorites Tools Help						
← Back - → - 🖾 🖄 🖓 Search 🐼 Favorites 🖓 History 🗟 - 🚑 💽 - 🗐 🔀						
Producess en inclution (cest.php Cr. du						
	▲					
PHP version 4.3.2	php					
System Win	System Windows NT SERVER 5.0 build 2195					
Build Date May	May 28 2003 15:06:05					
erver API CGI/FastCGI						
Virtual Directory Support enabled						
Configuration File (php.ini) Path C:\WINNTS\php.ini						
HP API 20020918						
PHP Extension 200	20020429					
Zend Extension 200	20021010					
Debug Build no	no					
Thread Safety ena	enabled					
Registered PHP Streams php	, http, ftp, compress.zlib					
Attp://www.php.net/						

The following output shows the complete PHP parser configuration for your system and indicates that PHP support has been successfully installed on your IIS Web Server.

#### Final Note:

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