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.

월 Installation Type		×
Hypertext Preprocessor	Please select the type of installation you require. Standard Advanced	
	< <u>B</u> ack <u>Next></u> Can	;el

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	< Back Next > Cancel	-
	< <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 w 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
Internet Information Services Default FTP Site Running Image: Set
Connect Connect Connect Connect Disconnect Backup/Restore Configuration Restart IIS New New
View Refresh Export List Properties Help

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
	urce access		og visits	
Read		ln In	dex this resource	
Vrite				
	y browsing			
Application (pettings			
Application r	name:			Remove
Starting poir	it <v< td=""><td>/eb Master Propertie</td><td>s></td><td>Configuration</td></v<>	/eb Master Propertie	s>	Configuration
Execute Per	missions: N	one	•	Conliguration
Application I	Protection:	ow (IIS Process)	v	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 Se Operators	curity HTTPHe Performance	aders Custom ISAPI Filters	Errors Service Home Directory
When conne	ecting to this res	ource, the content s ectory located on thi are located on anoth direction to a URL	s computer	
☐ Read ☐ Write	purce access y browsing Settings		ng visits dex this resource	Browse
Application	name:			Remove
Starting poir Execute Per	_	/eb Master Propertie: one	» 	Configuration
Application	Protection: Lo	ow (IIS Process)	V	Unload
		OK Cano	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 Applicati	ion Extension Mapping	×
Executable:	C:\PHP\php.exe	Browse
Extension:	.php	
Verbs		
Script engine	exists 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 Desktop My Documents My Computer	jorivate images				
My Network P	File name:	"test.php"		•	Save
My Howoner	Save as type:	Text Documents (*.txt)		•	Cancel
	Encoding:	ANSI		•	<i>I</i> .

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

phpinfo() - Microsoft Internet Explorer	
File Edit View Favorites Tools Help	
← Back - → - 🙆 🕼 🖓 Search	📷 Favorites 🛛 🖑 History 🛛 🛃 🎝 🗣 💽 🝷 📃 📚
Address 🛃 http://localhost/test.php	ବର ▼
inks 🖨 Customize Links 🖉 Free Hotmail 🧔	
PHP Version 4.3.2	php
System	Windows NT SERVER 5.0 build 2195
Build Date	May 28 2003 15:06:05
Server API	COVE actor
	CGI/FastCGI
Virtual Directory Support	enabled
Virtual Directory Support Configuration File (php.ini) Path	enabled
Virtual Directory Support Configuration File (php.ini) Path PHP API	enabled C:WVINNTS\php.ini
Virtual Directory Support	enabled C:WVINNTS\php.ini 20020918
Virtual Directory Support Configuration File (php.ini) Path PHP API PHP Extension Zend Extension	enabled C:WINNTS\php.ini 20020918 20020429
Virtual Directory Support Configuration File (php.ini) Path PHP API PHP Extension	enabled C:WVINNTS\php.ini 20020918 20020429 20021010
Virtual Directory Support Configuration File (php.ini) Path PHP API PHP Extension Zend Extension Debug Build	enabled C:WUNNTS\php.ini 20020918 20020429 20021010 no

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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