

# Setup:Installation Guide/System Preparation/Windows/PHP 7.3

# Contents

1	Introduction	. 2
2	Downloading PHP	. 2
3	Unzipping the ZIP archive	. 3
4	Setting the environment variable	. 3
5	Checking the environment variable	. 6
6	Configuring IIS for PHP	. 7
7	Next step	15





BlueSpice

The source code of BlueSpice is based on the scripting language "PHP". It must be installed on your server in order to operate BlueSpice. The steps listed here are required.

### Introduction

PHP is not installed with a "classic installation package", but the sources are downloaded and integrated in IIS via the previously installed PHP Manager.

### **Downloading PHP**

In your browser, open the official download page for Windows on php.net (1). Find the latest version 7.3.x (2) 64-bit (3) Thread-Safe (4) and download it here (5):

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ррр Рнр: ну	pertext Preprocessor Hone Dowilads QA.Release Supplets Team PHP.net ele	
PHP For Windows This site is dedicated to supporting PHF on Microsoft Windows. It also supports ports of PHP extensions or features as well as providing special builds for the various Windows architectures.	Inder Commence Grandinge Binaries and Sources Selectes Select an option to direct acces ✓	
If you like to build your own PHP binaries, instructions can be found on the <u>Wriki</u> .	Dwwnlead source code [25.6648]           VCL5 x64 Non Thread Safe (2019-Mar-07 01:55:08)           • 20 (24.248)	
PECL For Windows PECL extensions for Windows Is being worked on. Windows DLL can be downloaded right from the PECL website.	sha256: 551h2794cdb373d9591dbc25429bb34c468482837d26e60332618e5630b6 • Debug Pack [22.88H6] sha256: 05552bb3339e22413c5ce63308a6ecd76d910cf110c8b9944b5f06c231adf0e 3 4	
The PECL extension release and snapshot build directories are browsable directly.	VC15 [c61 [hread Safe] 2019-Mar 07 01:55:24)	

Follow the download instructions.



Please note that the download on your Windows Server with Internet Explorer will only work if you have configured the Internet Explorer Advanced Security Settings in the Server Manager. Please refer to the technical documentation from Microsoft.



The following is PHP version 7.3.3 and is only an example of the latest version 7.3.x that you can download at the time of your installation.



# Unzipping the ZIP archive

Unzip the ZIP archive just downloaded into a useful system path on your hard drive.



This documentation assumes the recommended folder structure.

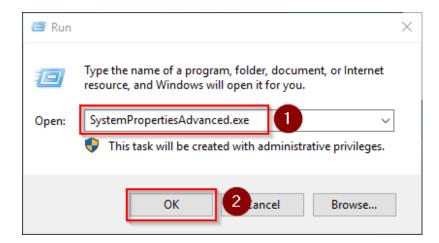
For this reason PHP will be unpacked into the folder C:\bluespice\bin\php-7.3.3. If you have a different folder structure, you must adapt these paths accordingly.

# Setting the environment variable

In order to use PHP easily on the command line of Windows, it is necessary to configure an environment variable in Windows accordingly. To do this, perform the following steps:

Enter the key combination Windows+R.

In the following dialog enter "SystemPropertiesAdvanced.exe" (1) and confirm with OK (2):



Click "Environment variables":



System Properties	$\times$
Computer Name Hardware Advanced Remote	
You must be logged on as an Administrator to make most of these changes Performance	•
Visual effects, processor scheduling, memory usage, and virtual memory	
Settings	
User Profiles	
Desktop settings related to your sign-in	
Settings	
Startup and Recovery	
System startup, system failure, and debugging information	
Settings	
Environment Variables	
OK Cancel Apply	

In the lower part of the now opened window double-click on the line "Path":





Variable	Value
Path	C:\Users\Administrator\AppData\Local\Microsoft\WindowsApps;
TEMP	C:\Users\Administrator\AppData\Local\Temp
ТМР	C:\Users\Administrator\AppData\Local\Temp
	New Edit Delete
stem variables	
vstem variables Variable	Value /
Variable	Value /
Variable ComSpec	Value C:\Windows\system32\cmd.exe
Variable ComSpec DriverData	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData
Variable ComSpec DriverData NUMBER_OF_PROCESSORS	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1
Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT
Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT C:\Windows\system32;C:\Windows;C:\Windows\System32\Wberr;
Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path PATHEXT	Value C:\Windows\system32\cmd.exe C:\Windows\System32\DriverData 1 Windows_NT C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem; .COM;:EXE;:BAT;.CMD;.VBS;.VBE;.JS;JSE;.WSF;.WSF;.MSC

#### Click "New":

%SystemRoot%\system32	<u>N</u> ew
%SystemRoot%	
%SystemRoot%\System32\Wbem	<u>E</u> dit
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%SYSTEMROOT%\System32\OpenSSH\	<u>B</u> rowse
	<u>D</u> elete
	Move <u>U</u> p
	Move D <u>o</u> wn
	Edit <u>t</u> ext

Add the path to your unpacked PHP version, which contains the php.exe file:



Edit environment variable	×
%SystemRoot%\system32 %SystemRoot% %SystemRoot%\System32\Wbem %SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	<u>N</u> ew
%SYSTEMROOT%\System32\OpenSSH\	<u>B</u> rowse
C:\bluespice\bin\php-7.3.3	<u>D</u> elete
	Move <u>U</u> p
	Move D <u>o</u> wn
	Edit <u>t</u> ext
	-
	_
ОК	Cancel

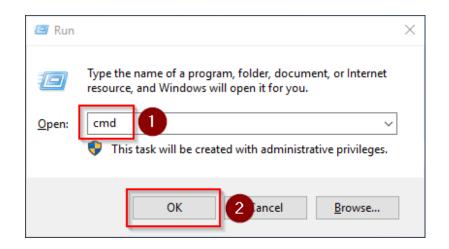
Close all newly opened windows one after the other by clicking on "OK".

### Checking the environment variable

To make sure the environment variable is set correctly, perform the following steps:

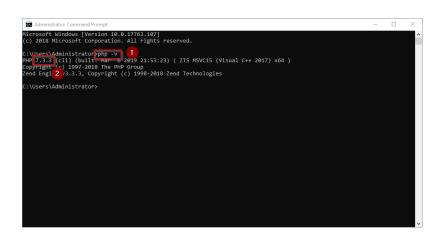
Enter the key combination Windows+R.

In the following dialog, enter "cmd" (1) and confirm with OK (2):



At the command prompt, type "php -v" (1) and press the Enter key. The found PHP version will be displayed (2).





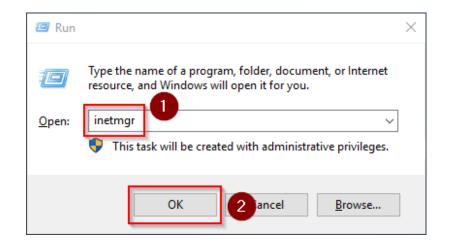
If this is not the case, then the path to the php.exe file in the environment variables was incorrectly specified.

# Configuring IIS for PHP

In the following steps, PHP will be included in IIS and IIS will be configured to provide a working basic setup:

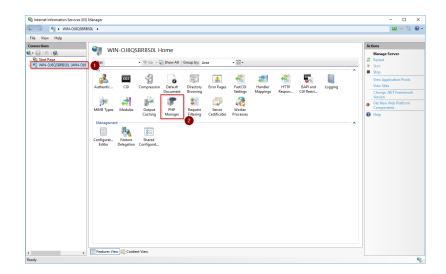
First, call IIS Manager. To do this, enter the key combination Windows+R.

In the following dialog, enter "inetmgr" (1) and confirm with "OK" (2):

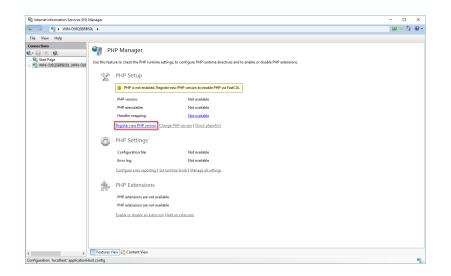


In the left pane, select your server name (1) and then double-click "PHP Manager" (2):





Click "Register new PHP version":



In the following window select the browse "(...)" button:

Register new PHP version		?	×
Provide a path to the php executable file	(php-cgi.exe):		
Example: C:\PHP\php-cgi.exe			_
	ОК	Cancel	

To manage the PHP settings in the next window:



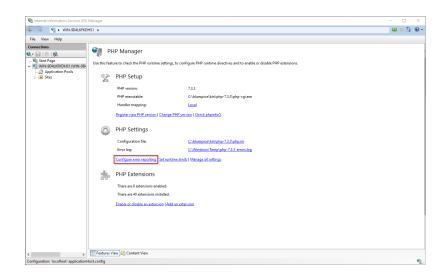
Change to the path to which you previously unzipped PHP (1), mark the "php-cgi.exe" (2) and confirm the dialog with "Open" (3):

Select PHP executable file X						
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×						
File <u>n</u> a	me:			PHP exec	utable (php-cgi.exe)	~
				<u>O</u> pe	n Cance	1 

Confirm again with "OK":

Register new PHP version	?	$\times$
Provide a path to the php executable file (php-cgi.exe):		
C:\bluespice\bin\php-7.3.3\php-cgi.exe		
Example: C:\PHP\php-cgi.exe		
ОК	Cancel	

Click on "Configure error reporting":



Activate the item "Production machine" (1) and select a path and a file of your choice where PHP should save its log (2). Confirm with "Apply" (3):





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This documentation assumes the recommended folder structure. If the path you specify here does not yet exist, please create it before clicking "Apply".

### Click "Manage all settings":

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ile View Help				
nnections	11.0	HP Manager	tings, to configure PHP runtime directives and to enable or disable PHP extensions.	
S WIN-OJ8QSBRBSOL (WIN-OJ8	X	PHP Setup		
		Not optimal PHP configuration	ation detected on this machine. <u>View recommendations.</u>	
		PHP version:	7.2.11	
		PHP executable:	C:\bluespice\bin\php-7.2.11\php-cgi.exe	
		Handler mapping:	Local	
		Register new PHP version   Cha	nge PHP version   Check phpinfo@	
	٩	PHP Settings		
		Configuration file:	C\bluespice\bin\php-7.2.11\php.ini	
		Error log:	C\\bluespice\var\log\php-7.2.11_errors.log	
		Configure error reporting   Set	untime limits Manage all settings	
	*	PHP Extensions		
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#### Adjust the following settings:

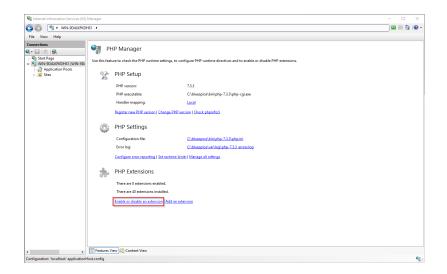
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max_execution_time	600	PHP
post_max_size	128M	PHP
upload_max_filesize	128M	PHP



To find these options faster, you can also use the filter (1). Go back afterwards (2):

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	PHP				· ·	
	allow_url_fopen	On Off	PHP			
	allow_url_include auto_append_file	Off	PHP			
	auto_append_tile auto_globals_jit	On	PHP			
	auto_globas_jic auto_prepend_file	On	PHP			
	cgi.fix_pathinfo	1	PHP			
	cgiforce_redirect	0	PHP			
	default_charset	"UTF-8"	PHP			
	default_mimetype	"text/html"	PHP			
	default socket timeout	60	PHP			
	disable_classes		PHP			
	disable_functions		PHP			
	display_errors	Off	PHP			
	display_startup_errors	Off	PHP			
	doc_root		PHP			
	enable_dl	Off	PHP			
	engine	On	PHP			
	error_log	"C:\bluespice\var\log\php-7	PHP			
	error_reporting	E_ALL & ~E_DEPRECATED	PHP			
	expose_php	On	PHP			
	extension_dir	"C:\bluespice\bin\php-7.2.11	PHP			
	fastcgi.impersonate	1	PHP			
	fastcgi.logging	0	PHP			
	file_uploads	On	PHP			
	html_errors	Off	PHP		~	
	innore repeated errors	Off	PHP		~	

In the main window, click "Enable or disable an extension":



Make sure that the following extensions are enabled:



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Q.• 🔄 🖄 🔗	PHP Exten:	sions	Add.,			
- Vi Start Page	*					
WIN-9D4LKFKDHS1 (WIN-9D4	PHP extensions provide a	dditional functionality to PHP runtime, such as database connectivity, caching, debugging and others. Use this feature to enable or disable	Enable			
Application Pools	PHP extensions and to co	nfigure PHP extensions settings.	Open php.ini			
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	Enabled	•				
	php_curl.dll	Enabled				
	php_fileinfo.dll	Enabled				
	php_gd2.dll	Enabled				
	php_gettext.dll	Enabled				
	php_intl.dll	Enabled				
	php_mbstring.dll	Enabled				
	php_mysqli.dll	Enabled				
	php_openssl.dll	Enabled				
	php_soap.dll	Enabled				
	php_tidy.dll	Enabled				
	php_xmlrpc.dll	Enabled				
	Disabled	*				
	php_bz2.dll	Disabled				
	php_com_dotnet.dll	Disabled				
	php_dba.dll	Disabled				
	php_enchant.dll	Disabled				
	php_exif.dll	Disabled				
	php_ftp.dll	Disabled				
	php_gmp.dll	Disabled				
	php_imap.dll	Disabled				
	php_interbase.dll	Disabled				
	php_ldap.dll	Disabled				
	php_oci8_12c.dll	Disabled				
	php_odbc.dll	Disabled Disabled				
	php opcache.dll	Disabled				

To activate an extension, select it in the "Disabled" section (1) and activate it by clicking on "Enable" (2):

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	Name           Enabled         php_steff.edf.           php_spt.edf.all         php_syste.stll           php_syste.stll         php_syste.gdll           php_syste.stll         php_syste.gdll           php_syste.stll         php_syste.gdll           php_syste.stll         php_syste.gdll           php_stl_scl_scl_scl_scl_scl_scl_scl_scl_scl_sc	Sola Conduct C	e soy
	php_opcache.dll php_pdo_firebird.dll	Disabled Disabled	

In the next step, expand the tree on the left until the "Default Web Site" becomes visible:

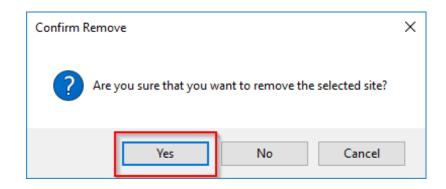


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teady	•

Right-click (1) and then click "Remove" (2):

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Add A Add V Edit B Mana V Refres Renar	Name III P Defut Web Ste T e ermissions pplication irtual Directory ndings p Website > h h re	) Status	t Group by: No Grouping • Einding =40 (http:)	Path SkytemBrineRisetgad)www.rect	Actions

Confirm the following dialog with "Yes":



Right-click on "Sites" (1) and click on "Add Website" (2):



Internet Information Services (IIS) 1	Manager				- 🗆 ×
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File View Help					
Connections	Filter. Name	• ₹ Go - ₩S	how All Group by: No Gr Binding	puping - Path	Actions and Website Set Website Defaults Help
< >	📧 Features View 💦	Content View			

Enter the site name "BlueSpice" (1) and select the path on your server where your BlueSpice installation will be located later (2). Confirm with "OK" (3):

Add Website	?	×
Site name: Application pool:		
BlueSpice BlueSpice Select		
Content Directory		
Physical path:		
Pass-through authentication		
Connect as Test Settings		
Binding		
Type: IP address: Port:		
http V All Unassigned V 80		
Host name:		
Example: www.contoso.com or marketing.contoso.com		
Start Website i <u>m</u> mediately		
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This documentation assumes the recommended folder structure. If the path you specify here does not yet exist, please create it before clicking "OK".





The new page is now listed in the IIS overview page:

→ WIN-0J8QSBRBS	OL + Sites +					🖬 🖂 🔂 🛛
File View Help						
onnections	Sites					Actions
Start Page WIN-OJ8QSBRBS0L (WIN-OJ8	Filter: • 🐨 Go - 🐷 Show All   Group by: No Grouping •					Set Website Defaults
Application Pools	Name	ID	Status	Binding	Path	Help
✓ i Sites >  BlueSpice	🔮 BlueSpice	1	Started (ht	*:80 (http)	C:\bluespice\var\www	
	Features View	<b>.</b>				

## Next step

If you have successfully completed all these steps, you can proceed to the next step " MariaDB".