

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

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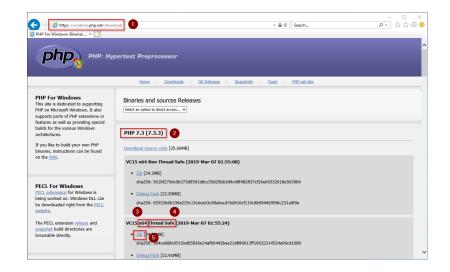
The source code of BlueSpice is based on the scripting language "PHP". It must be installed on your server in order to operate BlueSpice. The steps listed here are required.

### 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):



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.

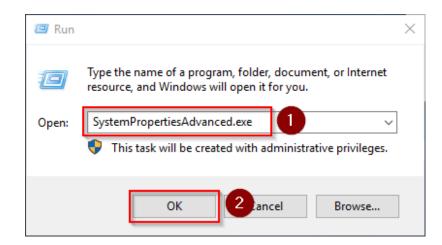
For this reason PHP will be unpacked into the folder C:\bluespice\bin\php-7.3.3. If you have a different folder structure, you must adapt these paths accordingly.

### 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
TMP	C:\Users\Administrator\AppData\Local\Temp
	<u>N</u> ew <u>E</u> dit <u>D</u> elete
stem variables	
Variable	Value
ComSpec	C:\Windows\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS	1
05 20	Windows_NT
Path	C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;
	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PATHEXT	
PROCESSOR ARCHITECTURE	AMD64

#### 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\ %SYSTEMROOT%\System32\OpenSSH\ C:\bluespice\bin\php-7.3.3		<u>N</u> ew Edit Browse
		Delete Move Up Move Down
		Edit <u>t</u> ext
	OK	Cancel

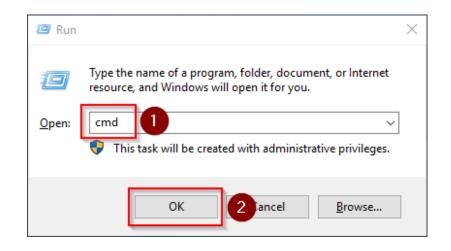
Close all newly opened windows one after the other by clicking on "OK".

### 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).

🖬 Administrator: Command Prompt	-	$\times$
Microsoft Windows [Version 10.0.17763.107] (c) 2018 Microsoft Corporation. All rights reserved.		^
C:\Users\Administrator\php -v 1 PHP 7.3.3 (cli) (built: Har = 0 2019 21:53:23) ( ZTS MSVC15 (Visual C++ 2017) x64 ) Copyrigm: (~) 1997-2018 The PHP Group Zend Engi 2/3.3.3, Copyright (c) 1998-2018 Zend Technologies		
C:\Users\Administrator>		
		~

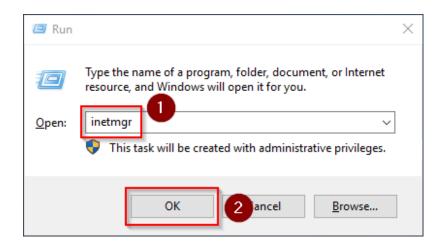
If this is not the case, then the path to the php.exe file in the environment variables was incorrectly specified.

# Configuring the IIS for PHP

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

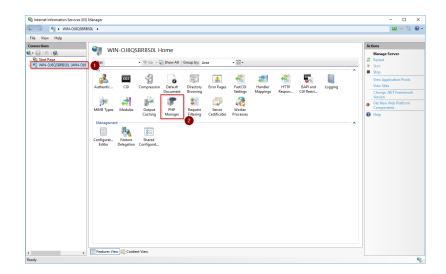
First, call IIS Manager. To do this, enter the key combination Windows+R.

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

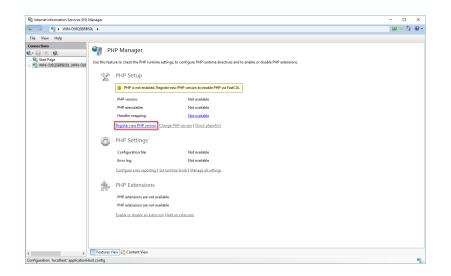


In the left pane, select your server name (1) and then double-click "PHP Manager" (2):





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:



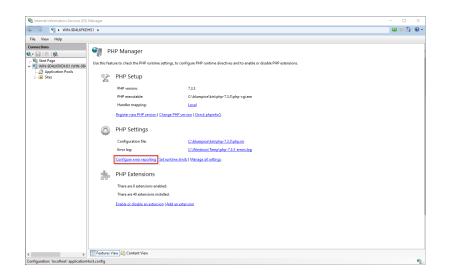
Change to the path to which you previously unzipped PHP (1), mark the "php-cgi.exe" (2) and confirm the dialog with "Open" (3):

Select PHP executable file X								
← → × ↑ 📑 > This PC > Local Disk (C:) > bluespice > bin > php-7.3.3								
Organize ▼ New folder III ♥ III Ø								
🖺 Documents 🖈 ^	Name	Date modified	Туре	Size				
📰 Pictures 🛛 🖈	dev	3/6/2019 2:41 PM	File folder					
This PC	ext	3/6/2019 2:41 PM	File folder					
3D Objects	extras	3/6/2019 2:49 PM	File folder					
Desktop	lib	3/6/2019 2:41 PM	File folder					
	sasl2	3/6/2019 2:41 PM	File folder					
Documents	php php-cgi	3/6/2019 2:41 PM	Application	72 KB				
Downloads								
b Music								
Pictures								
Videos								
Local Disk (C:)								
🖆 CD Drive (D:) SSS								
×								
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):





Internet Information Services (IIS Solution)	-	×
File View Help		
Consections Conse	PHP Error Reporting      When the statust to configure how PMP reports and logic error, warnings and information notices.      Type of source      Generations and the statust is a statust of the s	Actions ↓ Actions ↓ Konses ↓ Rack to make page ↓ Holp



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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nnections	🆣 PH	IP Manager		
Start Page Start Page WIN-OJ8QSBRBSOL (WIN-OJ8	Use this featu	ure to check the PHP runtime se	ttings, to configure PHP runtime directives and to enable or disable PHP extensions.	
	22	PHP Setup		
		Not optimal PHP configu	ration 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	ange PHP version   Check phpinfo()	
	٢	PHP Settings		
		Configuration file:	C/bluespice/bin/php-72.11/php.ini	
		Error log:	C\bluespice\var\log\php-7.2.11_errors.log	
		Configure error reporting   Set	runtime limits Manage all settings.	
		PHP Extensions		
		There are 8 extensions enable	d.	
		There are 40 extensions install	ed.	
		Enable or disable an extension	Add an extension	
>	Fill Continue V	iew 💦 Content View		

#### Adjust the following settings:

Name	Value	
date.timezone	"Europe/Berlin" oder entsprechend Ihrer Zeitzone	Date
max_execution_time	600	PHP

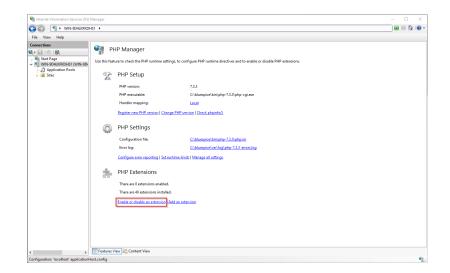


Name	Value	Section
post_max_size	128M	РНР
upload_max_filesize	128M	РНР

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

Internet Information Services (II				🗰 🖂 🏠
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- El 121 😣	PHP Settings			Add
Start Page			ig control all aspects of PHP runtime, such error reporting, security, sessions and others.	
WIN-OJ8QSBRBSOL (WIN-OJ	Configure all php settings the	Open php.ini		
	Filter	Back to main page		
	Name	Value	Section	A Help
	PHP			
	allow_url_fopen	On	PHP	
	allow url include	Off	PHP	
	auto_append_file		PHP	
	auto_globals_jit	90	PHP	
	auto prepend file		PHP	
	cgi.fix_pathinfo	1	PHP	
	cgi.force_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 reneated errors	Off	PHD	
,	Features View 💦 Content	View		

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



Make sure that the following extensions are enabled:



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- Vi Start Page	*	Add Enable	
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Application Pools	PHP extensions and to co	nfigure PHP extensions settings.	Open php.ini
> 🧟 Sites	Filten	▼ IF Go → Go Show All   Group by: State	🔶 Back to main page
	Name	State	😢 Help
	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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le View Help			Actions			
Connections	PHP extensions provide a	PHP Extensions PHP extensions provide additional functionality to PMP runtime, such as database connectively, caching, debugging and others. Use this feature to enable or disable PHP extensions are locality and PM extensions. PM extensions are locality and extensions.				
> i Sites	Filter	• 🐨 Go - 🔤 Show All   Group by: State •	< Back to main page			
	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_stl_scop_ddll         php_syste.gdll           php_stl_scop_ddll         php_stl_scop_ddll           php_stl_scop_ddll         php_stl_scop_ddll           php_stl_scop_ddll         php_stl_scop_ddll           php_stl_scop_ddll         php_stl_scop_ddll           php_stl_scop_ddll         php_stl_scop_ddll           php_stl_scop_ddlll         php_stl_scop_ddll           php_stl_scop_ddll         php_stl_scop_ddll           php_stl_scod_ddll         php_stl_scod_ddll           php_stl_scod_ddll         php_stl_scod_ddll           php_stl_scod_ddll         php_stl_scod_ddll           php_stl_scod_ddll         php_stl_scod_ddll           php_stl_scod_ddll         php_stl_scod_ddll           php_stl_scod_ddll         php_stl_scod_ddll	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:

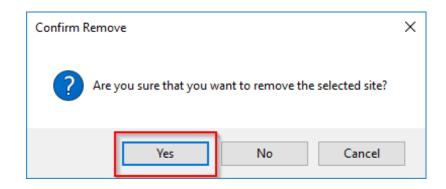


anternet Information Services (IIS) Manager	- 🗆 ×
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Right-click (1) and then click "Remove" (2):

	ISOL + Sites +				 <b>1</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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)	Manager					- 🗆 X
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Connections Conne	Sites	• "¥ 6a - C Shew All Group by: No Grouping ● 10 Satus Binding Path				Actions  Characteria for the second s
Sites	2					
< >> Ready	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):

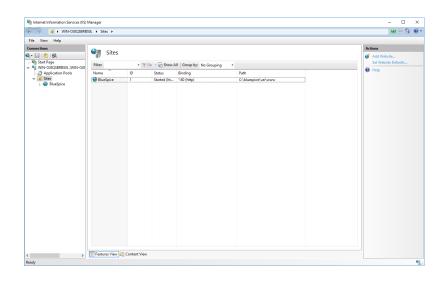
Add Website	?	×
Site name: Application pool:		
BlueSpice BlueSpice Select		
Content Directory		
Physical path: 2		
C:\bluespice\var\www		
Pass-through authentication		
Connect as Test Settings		
Binding		
Iype: IP address: Port:		
http V All Unassigned V 80		
Host name:		
Example: www.contoso.com or marketing.contoso.com		
☑ Start Website immediately		
ОК	Cancel	



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:



### Next step

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