

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

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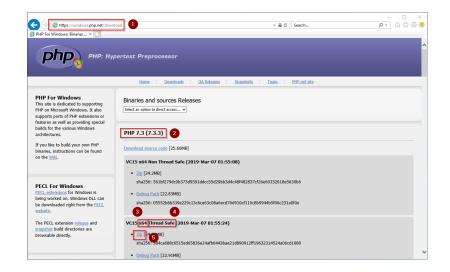
The source code of BlueSpice is based on the scripting language "PHP". It must be installed on your server in order to operate BlueSpice. The steps listed here are required.

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.

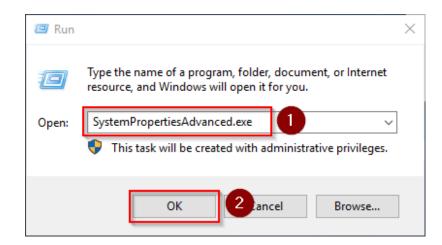
For this reason PHP will be unpacked into the folder C:\bluespice\bin\php-7.3.3. If you have a different folder structure, you must adapt these paths accordingly.

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):

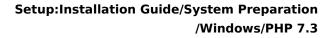


Click "Environment variables":



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":





vironment Variables	
<u>U</u> ser variables for Administrator	
Variable	Value
Path	C:\Users\Administrator\AppData\Local\Microsoft\WindowsApps;
TEMP	C:\Users\Administrator\AppData\Local\Temp
ТМР	C:\Users\Administrator\AppData\Local\Temp
	<u>N</u> ew <u>E</u> dit <u>D</u> elete
System variables	
Variable	Value
ComSpec	C:\Windows\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS	1
05	Windows_NT
OS Path	Windows_NT C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;
	-
Path	C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;
Path PATHEXT	C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem; .COM;.EXE;.BAT;.CMD;.VBS;.VBE;JS;JSE;.WSF;.WSH;.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 Up
	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
	ОК	Cancel

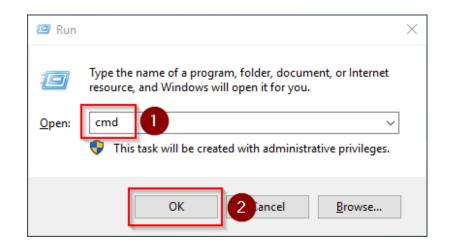
Close all newly opened windows one after the other by clicking on "OK".

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).

🖬 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>		
		~

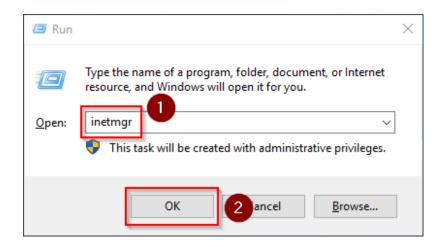
If this is not the case, then the path to the php.exe file in the environment variables was incorrectly specified.

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:

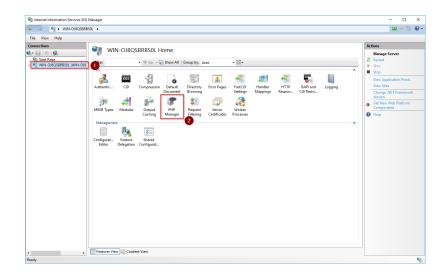
First, call IIS Manager. To do this, enter the key combination Windows+R.

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

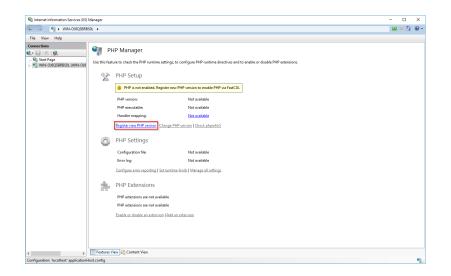


In the left pane, select your server name (1) and then double-click "PHP Manager" (2):





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:



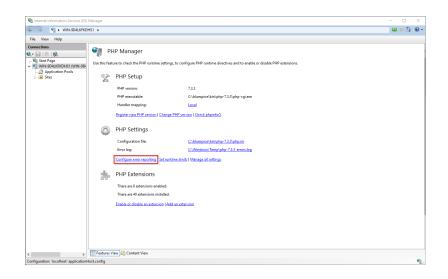
Change to the path to which you previously unzipped PHP (1), mark the "php-cgi.exe" (2) and confirm the dialog with "Open" (3):

Select PHP executable file X							
← → × ↑ 📑 > This PC > Local Disk (C:) > bluespice > bin > php-7.3.3							
Organize 🔻 New folde						0	
🖺 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):





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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":

Internet Information Services (IIS)				- 0
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File View Help				
onnections	🌒 РН	IP Manager		
Start Page WIN-OJ8QSBRBSOL (WIN-OJ8	Use this featu	ure to check the PHP runtime se	tings, to configure PHP runtime directives and to enable or disable PHP extensions.	
	X	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 phpinfe()	
	٢	PHP Settings		
		Configuration file:	C:\bluespice\bin\php-7-2:11\php.inj	
		Error log:	C\bluespice\var\log\php-7.2.11 errors.log	
		Configure error reporting Set	runtime limits Manage all settings	
	1	PHP Extensions		
		There are 8 extensions enable	d.	
		There are 40 extensions install	ed.	
		Enable or disable an extension	Add an extension	
,	Features Vi	ew 💦 Content View		

Adjust the following settings:

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



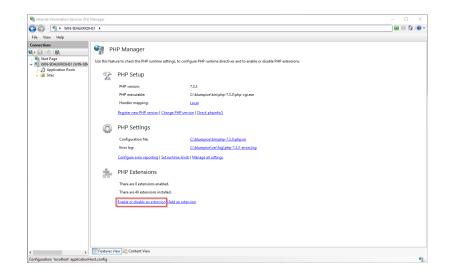
MediaWiki

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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nections	•			Actions
- 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	
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In the main window, click "Enable or disable an extension":



Make sure that the following extensions are enabled:



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Start Page		dificional functionality to PHP runtime, such as database connectivity, caching, debugging and others. Use this feature to enable or disable	Fnable
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Application Pools		Open php.ini	
> 📓 Sites	Filten	• 🐨 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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File View Help					
ionnections • 🔜 🖄 🔗 • Start Page • WIN-OJ8QSBRBSOL (WIN-OJ8	PHP Extensions Pipe detections provide additional functionality to PP-profiles, such as database connectivity, caching, debugging and others. Use this feature to evable or disable Pipe detections provide additional functionality.				
Application Pools Sites	Filter	Go - In Show All Group by: State	Open php.ini Back to main page		
	Name Exabled php_sites/sdl php_sites/sdl php_sites/sdl	Suite Enabled	€ Hop		
	php_odbc.dll php_opcache.dll	Disabled Disabled			
	nho ndo firebird.dll	Disabled			

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

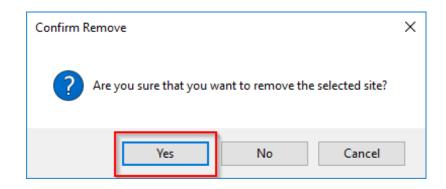


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File View Help	
Image: Table View Content View Content View State Sage Pith Image: Table View Image: Table View State Sage Pith State Sage Pith Image: Table View Image: Table View Image: Table View State Sage Pith Image: Table View Image: Table View	Action Image: Activation of the state
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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 -10 Omp)	Path SkytemBrineRisetgadiwww.rest	Actions

Confirm the following dialog with "Yes":



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



Internet Information Services (IIS) 1	Manager				- 🗆 ×
← → 🙆 > WIN-0J8QS8R85	SOL + Sites +				🖬 🖂 🚱 🔞
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):

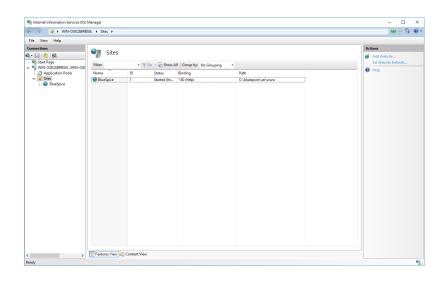
Add Website	?	×
Site name: Application pool: BlueSpice BlueSpice Select		
Content Directory		
Physical path: C:\bluespice\var\www Pass-through authentication		
Connect as Test Settings		
Binding		
<u>Iype:</u> <u>IP address:</u> <u>Port:</u>		
http V All Unassigned V 80		
Host name:		
Example: www.contoso.com or marketing.contoso.com		
☑ Start Website i <u>m</u> mediately		
ок 3	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".