

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

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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 7.4. \times (2) 64-bit (3) Thread-Safe (4) and download it here (5):

← → C ■ windows.php.net/download/		Bi 🛧 🏝
for details.		
	PHP 7.4 (7.4.24) 2	
Archives Past releases are available from our archives, older versions not found there can be found at the <u>Museum</u> .	Domitiad source.code (23.5MB) Domitiad texts: seckage (shtt) (13.5MB)	
	VC15 x64 Non Thread Safe (2021-Sep-21 16:58:34)	
	 Exe [24.8648] shu256: 14938/399ub2761147702759721c632c05687436cbf25f19582436 	
	Chebus 29x3 [21,9948] shu256: 504ca88319xb15b5c3093648eb313a841xd1a5003er055e686e7279a3c4fef6e5	
	Demokrament aarkaar: (SOC is develop PHP extension) [1,0090] shu254: 93 (e00) e00)	
	VC126471med 5486 2021 569; 21 8638:46)	
	(https://buck_(21.98948) shu2556:ft2a718812903784644b039fa66b745027v9244a0489648267df009ccf2axcb108239	
	Development_sackape (SDK in develop THP meterston) [1.0848] sha254: 219425443x7310940577950886290480361a45403420354a440021	
	VC15 x86 Non Thread Safe (2021-Sep-21 16:58:37)	
	2(c) [23.1548] shu255: d0294cd803b03d014944d00448d084609488901e057280373884f8cb89c1895	
	[<u>Indug Fack</u> [22,948] #Na256: bb31x30+66(44003ec)(66944)346e2885ie3407fa35948ee66e3bd86/72c735f	
	 Development application (CDM to develop DUD extensions) (1 0000) 	

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.

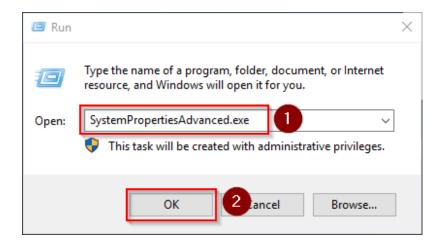
For this reason PHP will be unpacked into the folder C:\bluespice\bin\php-7.3.3. If you have a different folder structure, you must adapt these paths accordingly.

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):

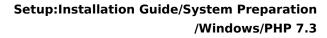


Click "Environment variables":



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":





	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
	<u>n</u> errin <u>D</u> erece
stem variables	
variables	Value
Variable ComSpec	C:\Windows\system32\cmd.exe
Variable ComSpec DriverData	C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData
Variable ComSpec DriverData NUMBER_OF_PROCESSORS	C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1
Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS	C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT
Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path	C:\Windows\system32\cmd.exe C:\Windows\System32\Driver\DriverData 1 <u>Windows_NT</u> C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;
Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS	C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT
Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path	C:\Windows\system32\cmd.exe C:\Windows\System32\Driver\DriverData 1 <u>Windows_NT</u> C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;
Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path PATHEXT	C:\Windows\system32\cmd.exe C:\Windows\System32\Driver\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	Edit
%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> wr
	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 7.4	New Edit Browse Delete
	Move Up Move Down
	Edit text
	OK Cancel

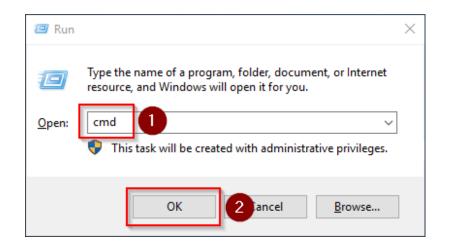
Close all newly opened windows one after the other by clicking on "OK".

Checking the environment variable

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

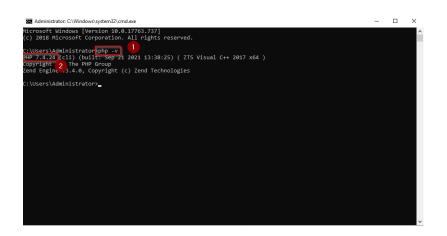
Enter the key combination Windows+R.

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).





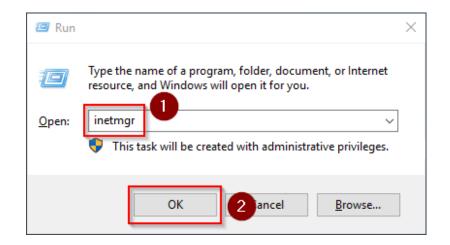
If this is not the case, then the path to the php.exe file in the environment variables was incorrectly specified.

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:

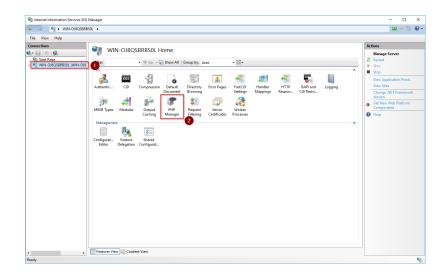
First, call IIS Manager. To do this, enter the key combination Windows+R.

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

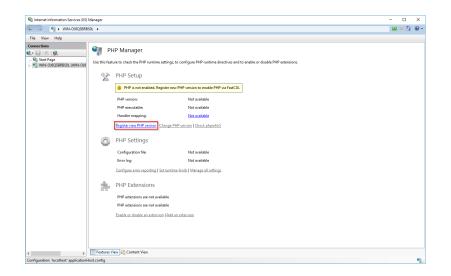


In the left pane, select your server name (1) and then double-click "PHP Manager" (2):





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:



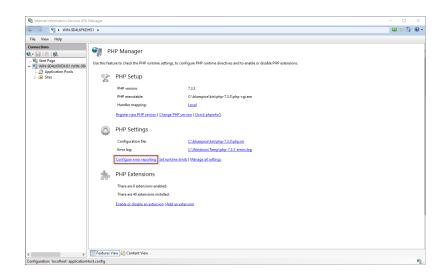
Change to the path to which you previously unzipped PHP (1), mark the "php-cgi.exe" (2) and confirm the dialog with "Open" (3):

Select PHP executable	file							×
← → • ↑ 📘	> This	PC → Local Disk (C:) > bluespice > bi	n > php 7.4 >		✓ ੈ Search pł	1p 7.4	Q,
Organise 🔻 Ne	w folder						🖭 👻 🛄	?
🖈 Quick access		Name	^	Date modified	Туре	Size		
Desktop	*	dev		04/10/2021 11:44	File folder			
		ext		04/10/2021 11:44	File folder			
👆 Downloads	*	extras		04/10/2021 11:44	File folder			
🔮 Documents	*	lib		04/10/2021 11:44	File folder			
Pictures	*	sasl2		04/10/2021 11:44	File folder			
💻 This PC		PhP php-cgi	2	04/10/2021 11:44	Application	71 KB		
💣 Network								
	File nar	me: php-cqi				✓ PHP exe	cutable (php-cgi.exe	:) ~
						Оре	en Canc	el

Confirm again with "OK":

Register new PHP version	?	\times
Provide a path to the php executable file (php-cgi.exe):		
C:\bluespice\bin\php 7.4\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		
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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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File View Help	
Connections Connections PHP Manager Use this feature to check the PHP runtime settings, to configure PHP runtime	e directives and to enable or disable PHP extensions.
Win-Disoseressic (Win-Diso Win-Disoseressic (Win-Diso Win-Poleoseressic (Win-Diso	
Not optimal PHP configuration detected on this machine	s. View recommendations.
PHP version: 7.2.11	
PHP executable: C:\bluespice\bit	\php-7.2.11\php-cgi.exe
Handler mapping: Local	
Register new PHP version Change PHP version Check phpi	fe()
PHP Settings	
Configuration file: C\bluespice\bit	Aphp-72.11\php.ini
Error log: C1/bluespice1va	\log\php-7.2.11_errors.log
Configure error reporting Set runtime limits Manage all set	ing:
PHP Extensions	
There are 8 extensions enabled.	
There are 40 extensions installed.	
Enable or disable an extension Add an extension	
> Features View 🚉 Content View	

Adjust the following settings:

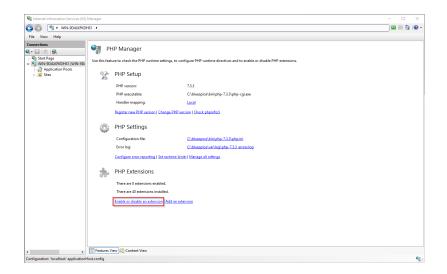
Name	Value	Section	
date.timezone	"Europe/Berlin"	Date	
uale.limezone	or your timezone	Date	
max_execution_time	600	PHP	
post_max_size	128M	PHP	
upload_max_filesize	128M	PHP	



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

2 ¶ ► WIN-0J8QSBRBS	~ ·					0 🛛 🟠
nections					Actions	
	PHP Settings				Actions Add	
Start Page WIN-OJ8QSBRBS0L (WIN-OJ8	Configure all php settings that					
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	Name		Section		A Help	
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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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Connections			Actions		
Q.• 🔄 🖄 🔗	PHP Exten:	C PHP Extensions			
- Vi Start Page	*	Add Enable			
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			
Application Pools	PHP extensions and to co	nfigure PHP extensions settings.	Open php.ini		
> 🧟 Sites	Filten	▼ T 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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File View Help			
Connections	PHP Exten	dditional functionality to PHP runtime, such as database connectivity, caching, debugging and others. Use this feature to enable or disable	Actions Add Enable
Application Pools	Filter:	nfigure PHP extensions settings.	Open php.ini Back to main page
> 💰 Sites			Help
	Name	State	😻 нар
	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_xmlrpc.dll	Enabled	
	Disabled	*	
	php_bz2.dll	Disabled	
	php_com_dotnet.dll	Disabled	
	php_curl.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 1	
	php_interbase.dll	Disabled	
	php_ldap.dll	Disabled	
	php_oci8_12c.dll	Disabled	
	php_odbc.dll	Disabled	
	php_opcache.dll	Disabled V	
	nhn ndo firebird.dll	Disabled	
	Features View 🔐 Con	ant View	

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

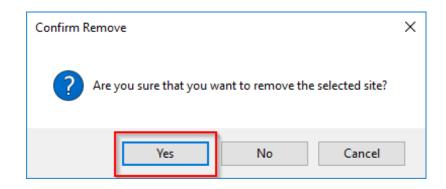


anternet Information Services (IIS) Manager	- 🗆 ×
← → 🔞 > WIN-OJROSBRBSOL > Sites >	🗰 🗟 🚱 🔞
File View Help	
Image: Teal of the second s	Action Image: Activation of the state
teady	•

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

	ISOL + Sites +				 1 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 -10 Omp)	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				- 🗆 ×
← → 🙆 > 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:		
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		
ОК	Cancel	
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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:

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File View Help						
ionnections .+ 🔚 🖄 🔗	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	1 Help
Sites Sites BlueSpice	🔮 BlueSpice	1	Started (ht	*:80 (http)	C:\bluespice\var\www	
	Features View					

Next step

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