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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 7.3.x (2) 64-bit (3) Thread-Safe (4) and download it here (5):

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ррр Рнр: ну	pertext Preprocessor Itema Develoats Ob Belases Scarobits Team DHP ent site	
PHP For Windows This site is dedicated to supporting PHP on Microsoft Windows. It also supports ports of PHP extensions or features as well as providing special builds for the various Windows architectures.	Internet contractance activities (1988) (1988) (2012) Binaries and sources Releases Select an option to direct access	
If you like to build your own PHP binaries, instructions can be found on the <u>Wris</u> .	Dwwnlead source code [25:6648] VC15 x64 Non Thread Safe (2010-Mar-07 01:55:08) • 202 [24:2406]	
PECL For Windows PECL extensions for Windows Is being worked on. Windows DLL can be downloaded right from the PECL website.	sha256: 50.157.794c0b37269591.064cc35429bb344c48482837cf25e60332618e5633056 • Debug Pack [22.88H9] sha256: 0555216b339e229c13c5ce632c08a5ecd766910cf110c8b9944b5f06c231a0f0e 3 4	
The PECL extension release and snapshot build directories are browsable directly.	VC15	

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	
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
stem variables	
vstem variables	Value
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vstem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS	Value / C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT
vstem variables 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'\Wbem:
rstem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path PATHEXT	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT C:\Windows_System32;C:\Windows;C:\Windows\System32\Wbem; CCMV:EXE::BAT::CMD::VBS::VBE::JS:JSE::WSF::WSF::MSF
vstem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path PATHEXT PROCESSOR ARCHITECTURE	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem; .COM;.EXE;:BAT;.CMD;.VBS;.VBE;.JS;JSE;.WSF;.WSF;.WSF;.WSF;.WSF;.WSF;.WSF;.WSF
rstem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path PATHEXT PROCESSOR ARCHITECTURE	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem; .COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;JSE;.WSF;.WSF;.WSF;.MSC AMD64

Click "New":

%SystemRoot%\system32	New
%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	New
%SystemRoot%	
%SystemRoot%\System32\Wbem	<u>E</u> dit
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%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
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	Cance	

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						\times
$\leftarrow \rightarrow \cdot \uparrow$. This	s PC > Local Disk (C:) > bluespice > bin >	php-7.3.3		✓ ひ Search php-7	.3.3	P
Organize 👻 New folder	r					?
🔮 Documents 🖈 ^	Name	Date modified	Туре	Size		
📰 Pictures 🛛 🖈	ev 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			
Deckton	📙 lib	3/6/2019 2:41 PM	File folder			
Desktop	sasi2	3/6/2019 2:41 PM	File folder			
Documents	php php-cgi 2	3/6/2019 2:41 PM	Application	72 KB		
Downloads						
Music						
E Pictures						
Videos						
Local Disk (C:)						
🖆 CD Drive (D:) SSS						
×						
File na	me:			PHP executa	ble (php-cgi.exe)	\sim
	L			<u>O</u> pen	Cance	

Confirm again with "OK":

Register new PHP version	?	\times
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)	Vanager	- U X
G S IN-9D4LKFKDF	51 •	🖬 🗟 🔞 •
File View Help		
Connection ()	PLP Error Reporting With Status to configure how PMP reports and logs ence, warnings and information notices. Image: Configure How PMP reports and logs ence, warnings and information notices. Status et configure How PMP reports and logs ence, warnings and information notice. Image: Configure How PMP reports and logs ence, warnings and information notice. Image: Configure How PMP reports and logs ence, warnings and wards and logs ence. Image: Configure How PMP reports and logs ence, warnings and wards and logs ence. Image: Configure How PMP reports and how encer reporting will be used. All errors, warnings and wards and wards be written refers as the booten and the output in a web broken and wards wards and wards the report of and wards and the written refers as the provide of notices will be configure as web broken. Image: Configure How PMP report and PMP reports and PMP	en of the second
Configuration: 'localhost' applicationH	ost.config	63



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 (II	S) Manager			- 0
→ ♥i → WIN-0,8Q588	RBSOL +			🖬 🔤 🔂 I
le View Help				
nections	🌒 PH	P Manager		
WIN-OJ8QSBRBSOL (WIN-OJ	8 Use this featu	ire 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 Chi	ange PHP version Check phpinfe()	
	٢	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	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	
	-			

Adjust the following settings:

Name	Value	Section	
data timozona	"Europe/Berlin"	Date	
uate.time20ne	or your timezone		
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):

Tien Helb						A
uons	PHP Settings					Actions
8	ų.					Add
tart Page	Configure all php settings the	at are stored in php.ini file. These settir	ig control all aspects of PH	runtime, such error reporting, security,	sessions and others.	Open php.ini
INA-ODOCISENESCE (MILA-ODO	Filter	- Show All Group by:	Section •			🗭 Back to main page
	Name		Castion		0	😧 Help
	DUD	Value	Jection			
	ellers out female	0-	DHD			
	allow_un_ropen	0#	PHP DHD			
	auto append file	01	PLIP			
	auto olohals iit	00	PHP			
	auto prepend file		PHP			
	colifix pathinfo	1	PHP			
	califorce 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			
	ntmi_errors	017	PHP		~	
	innore reneated errors	Off	рнр			

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



Make sure that the following extensions are enabled:



la Marco Mata						
nnections	DHD Exten	sions	Actions			
· 🔒 🖄 😽	THE LACEISIONS					
🖣 Start Page	PHP extensions provide additional functionality to PHP runtime, such as database connectivity, caching, debugging and others. Use this feature to enable or disable					
WIN-9D4LKFKDHS1 (WIN-9D4	PHP extensions and to configure PHP extensions settings.					
Stes	Filten	▼ T Go ~ Go ~ Go Show All Group by: State	💠 Back to main page			
> - io: Sites	Name	State 0	😧 Help			
	Enabled	Suit				
	nho curl dll	Enabled				
	php_contail	Enabled				
	nho ad2 dll	Fnahleri				
	php gettest.dll	Enabled				
	php_gettellar	Enabled				
	php mbstring.dll	Enabled				
	php mysali.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				
	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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enerations			Actions
- El tra l A	PHP Exten:	sions	ACOURS
Start Bree	11.1×		Add
WIN-OJ8QSBRBSOL (WIN-OJ8	PHP extensions provide a	Iditional functionality to PHP runtime, such as database connectivity, caching, debugging and others. Use this feature to enable or disable	chable 2
Application Pools	PHP extensions and to co	mgure PriP extensions settings.	Open php.ini
> 📓 Sites	Filten	▼ Go ~ Show All Group by: State	W Back to main page
	Name	State	😢 Help
	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	
	nho odo firebird.dll	Disabled	

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



Internet Information Services (I	IS) Manager	- 🗆 X
← →	RBSOL + Sites +	🖬 🗟 🚱 •
File View Help		
The View Hep Connection Conneconnection Connection Connection Connection Co	Image: Construction Image: Construction Imag	Actions Actions Actions Set Methodus Set Website Defaults. P Help
c z	Texture Vier 🖉 Context View	

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

Image: Series 1 Image: Series 1	Sinternet Information Services (IIS) Manager			- 🗆 X
File Very Help Stars Stars Endring Path With Oldskieles 0 Stars Endring Path Add Application Add Application Add Application Add Application Add Application Add Application Add Application Add Application Add Application To the path Stars D Stars Holp StyletenOniveKinetpubliceWinet	← → WIN-0J8Q58R850L + Sites +			🙀 🖂 🏠 🔞
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Application Ports View De Statu Biology Path Path Center View De Statu Biology Path Started De Statu Biology Path Statu Biology Path Started De Statu Biology Path Statu Biol	Connections Connections Start Page Start Page Filter:	🔹 🐨 Go 🗟 🥁 Show All Group by	r No Grouping •	Actions
Pante Ga	Applications Process Applications Process Applications Process Applications Application	D Statu Binning 1 Stande (M. *30 (May)	Path Nögsteműhive/Ninetpubliowwwrsot	

Confirm the following dialog with "Yes":



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



Internet Information Services (IIS) I	Manager				- 🗆 ×
← → 🙆 > WIN-0J8QS8R85	SOL + Sites +				🖬 🖂 🚱 🔞
File View Help					
File View Help Connection Connect	Filter: Name	 ▼ Go × Q ID Statu 	Show All Group by: No Gi s Binding	suping • Path	Actions Add 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	?	Х
Site name: Application pool:		
BlueSpice BlueSpice Select		
Content Directory		
Physical path:		
C\bluespice\var\www		
Pass-through authentication		
Connect as Test Settings		
Di- Kar		
Type: IP address: Port:		
http V All Unassigned V 80		
Host name:		
Example: www.contoso.com or marketing.contoso.com		
✓ Start Website immediately		
	Cancel	
	curreer	



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:

Internet Information Services (IIS) N	lanager						- 🗆 ×
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File View Help							
Connections	Sites		- E there	W Courter M.C.			Actions Add Website Set Website Defaults
VIN-OJ8QSBRBSOL (WIN-OJ8	Filter	• * 0	o - ve Show A	Group by: No Grouping	D .4		🕑 Help
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) • Buppe	Tenner Van 100	Content View					
< >	III] Features View 200	Content View					61
Ready							• <u>1</u>

Next step

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

Setup:Installation Guide/Advanced/Windows Folder Structure

A quality version of this page, approved on 2 August 2021, was based off this revision.

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Preface

Microsoft Windows distributes program installations and configurations, the web root under IIS, etc., to various folders in the file system. Since BlueSpice is a PHP-based web application, it is not always easy to use the Windows default system paths in the application.

For this reason, we recommend creating your own folder structure for BlueSpice, for all related data and for additional program installations.

In the following we describe and recommend a proven folder structure.

Folder structure

As root directory for the installation, "\bluespice\" is specified in the root directory of the drive (for example, C:\bluespice or D:\bluespice).

The folder structure based on Unix operating systems is:

bluespice/	
— backup/	# for backups
— bin/	<pre># for additional programs and custom scripts</pre>
- etc/	# for configuration files
<pre>- opt/ bluespice/ cache/ images/ widgets/ tmp/</pre>	<pre># BlueSpice-specific cache # file uploads # rendered widgets # temporary files</pre>
var/ L log/ Www/	<pre># log files of the web server # The actual BlueSpice application</pre>

File names for installing programs

When installing programs in \bluespice\ bin, please be sure to install these programs in subfolders that contain no special characters and/or spaces.

MariaDB on Windows

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1

BlueSpice stores your content in a database for which you need to install a corresponding server. The steps listed here are required.

Introduction

Alternatively, you can use MySQL at this point, but we recommend the database server MariaDB as described below.

Download

In Internet Explorer, open the official download page (1). Click on the corresponding download link (2).



Select the MSI package in the 64bit version:



🦪 MariaDB 10.3.13 Stable - Mariali 🗙 🕂						-	- 0	×
← → ሮ ŵ	https://downloads.mariadb.org/	/mariadb/10.3	.13/		F	⊠ ☆	lin 🖸	≡
	MariaDB 10.3.13 Release Notes Changelog Affordable,enterprise class pro Foundation's release sponsor. MaxiDB Comparties at cape	Stable	2019-02-21 professional services, an ioration. To learn more al	d training for yout them an	your MariaDB dat d their services fo	Vier abase is available from the Marial ManaDB, visit their website, or e	r all release: DB mail	\$ ^
MariaDB is free and open source software	Manabb Corporation at sales	@manado.com						
The MariaDB database server is published as free and open source software under the	File Name	Package Type	OS / CPU	Size	Meta	Want to learn more about Mari	aDB? Check	
General Public License version 2. You can download and use it as much as you want free of observe. All use of the binarios form	mariadb-10.3.13.tar.gz	source tar.gz file	Source	70.7 MB	Chedisum			
mariadb.org is at your own risk as stated in the GPLv2. While we do our best to make the	Galera 25.3.25 source and packages		Source			Operating System		
world's best database software, the MariaDB Foundation does not provide any guarantees	For best results with RPM and	DEB Package						
and cannot be hold liable for any issues you may encounter. The MariaDB Foundation does not provide any	mariadb-10.3.13-winx64- debugsymbols.zip	ZIP file	Windows x86_64	144.0 MB	Chedisum	Generic Linux		
help or support services if you run into troubles while using MariaDB. Support and guarantees are available on commercial terms from	mariadb-10.3.13-winx64.zip	ZIP file	Windows x86_64	69.5 MB	Chedisum Instructions	☐ Source Code ☐ Windows		
multiple MariaDB vendors. There are alse many resources you can use to learn MariaDB	mariadb-10.3.13-winx64.msi	MSI Package	Windows x86_64	54.5 MB	Chedsum			
and support yourself or get peer support online.	mariadb-10.3.13-win32.zip	ZIP file	Windows x86	62.5 MB	Chedaum	Package Type		
binaries available from	mariadb-10.3.13-win32- debugsymbols.zip	ZIP file	Windows x86	111.9 MB	Chedsum	DEB Package		
There multiple MariaDB vendors that provide different kinds of guarantees based on the	mariadb-10.3.13-win32.msi	MSI Package	Windows x86	49.1 MB	Checksum	☐ MSI Package ☐ ZIP file		~

Follow the further download instructions and download the installation package to your hard disk.



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



In the following the MariaDB version 10.3.13 is used and serves as an example only for the latest version, which you can download at the time of your installation.

Installing MariaDB

Open the file that you just downloaded: "mariadb-10.3.13-winx64.msi".

Start the installation by clicking "Next":





Confirm the license agreement (1) and click "Next" (2):

🛃 MariaDB 10.3 (x64) Setup	_		\times
End-User License Agreement Please read the following license agreement carefully	Maria[_{Ser}	DB ver 🛩	A
GNU GENERAL PUBLIC LICENSE			^
Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation Street, Fifth Floor, Boston, MA 02111-1301, USA E to copy and distribute verbatim copies of this licens	n, Inc., 51 Fran Everyone is pe se document,	nklin rmitted but	
Preamble The enses for most software are designed to take	e away your fr	eedom	v
$\begin{tabular}{ c c c c } \hline \end{tabular} I & \end{tabular} accept the terms in the License Agreement \end{tabular}$		2	
Print Back	<u>N</u> ext	Cano	el

The next step you confirm by clicking on "Next".



/ MariaDB 10.3 (x64) Setup	– 🗆 X
Custom Setup Select the way you want features to be installed.	MariaDB Server
Click the icons in the tree below to change the way	features will be installed.
MariaDB Server Database instance Client Programs Backup utilities Development Components Third party tools HeidiSQL	Install server This feature requires 160MB on your hard drive. It has 3 of 3 subfeatures selected. The subfeatures require 49MB on your hard drive.
Location: C:\Program Files\MariaDB 10.3\	B <u>r</u> owse
Re <u>s</u> et Disk <u>U</u> sage	Back Next Cancel

Provide a password. It will be used for the administrative user ("root") of the database server (1). Then, click "Next" (2):

🛃 User settings	– 🗆 X
Default instance properties MariaDB 10.3 (x64) database configuration	MariaDB Server
 Modify password for database user 'root' New root password: Confirm: Enable access from remote machines for 'root' user Use UTF8 as default server's character set 	Enter new root password Real the password or
	Back Next 2 ancel

Confirm the next step by clicking "Next":



记 Database settings			_		\times
Default instance	properties		Maria	DB	R
MariaDB 10.3 (x64)	database configuration	n	Sei	rver 🖌	V
✓ Install as service Service Name:	MySQL				
Enable networkin	g 2306				
Innodb engine s	ettings				
Buffer pool size:	1023 MB				
Page size:	16 🗸 KB				
		<u>B</u> ack	<u>N</u> ext	Cano	el

Confirm the next step by clicking "Next":

🕼 MariaDB 10.3 (x64) Setup		Х
MariaDB 10.3 (x64) setup Submit usage information	MariaDB Servers	A
Enable the Feedback plugin and submit ar	nonymous usage information	
Monty Program has created a Feedback plugin f collects basic anonymous statistical information. developers to improve MariaDB. Enabling this plu MariaDB development. Collected statistics, and can be viewed at http://mariadb.org/feedback_	for MariaDB which, if enabled, . This information is used by the ugin is an easy way to help with more information on the plugin, plugin	
More Info		
	Back Next C	ancel

Now start the installation:





When the installation is complete, exit the installer:



Setting the environment variable

To use MariaDB 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 Propertie	25			×
Computer Name	Hardware	Advanced	Remote	
You must be lo	gged on as a	an Administra	or to make most of these	changes.
Performance				
Visual effects	, processor s	cheduling, m	emory usage, and virtual n	nemory
			Settin	ngs
User Profiles				
Desktop settir	ngs related to	o your sign-in		
			_	
			Setti	ngs
Startup and R	ecovery			
System startu	p, system fai	lure, and deb	ugging information	
			Settin	ngs
			Environment Va	ariables
		ОК	Cancel	Apply

In the bottom pane of the now opened window double-click on the line "Path":





vironment Variables		×
User 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	
<u>S</u> ystem variables		_
Variable	Value	^
ComSpec	C:\Windows\system32\cmd.exe	
DriverData	C:\Windows\System32\Drivers\DriverData	
NUMBER_OF_PROCESSORS	1	
05		٦Ľ.
Path	C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;	
	COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC	~
	Ne <u>w</u> Edit Delete	
	OK Cancel	

Click "New":

dit environment variable)
%SystemRoot%\system32	New
%SystemRoot%	<u></u>
%SystemRoot%\System32\Wbem	<u>E</u> dit
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%SYSTEMROOT%\System32\OpenSSH\	Browse
	<u>D</u> elete
	Meyelle
	wove <u>o</u> p
	Move Down
	Edit <u>t</u> ext
	OK Cancel



Add the path to your installation of MariaDB, which contains i.a. the file mysql.exe is located. By default, this is the path C:\Program Files\MariaDB 10.3\bin .

/osystem.cot/o(system.sz	New
%SystemRoot%	
%SystemRoot%\System32\Wbem	<u>E</u> dit
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%SYSTEMROOT%\System32\OpenSSH\	<u>B</u> rowse
C:\bluespice\bin\php-7.3.3	
C:\Program Files\Git\cmd	<u>D</u> elete
<u>C\Program Files\podejs\</u>	
C:\Program Files\MariaDB 10.3\bin	
	Move <u>U</u> p
	Maus Down
	WOVE Down
	Edit text

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

Next step

If you have completed all steps successfully, you can delete the previously downloaded "mariadb-10.3.13-winx64.msi" file from your hard disk and continue to the next step "OpenJDK".

PHP Manager on Windows

A quality version of this page, approved on 2 August 2021, was based off this revision.

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2 Installing PHP Manager	29
3 Next step	







PHP Manager conveniently integrates PHP into your IIS installation. The steps listed here are required.

Download

In Internet Explorer, open the official download page on iis.com (1). Click "Download this extension" (2).

(i) This site uses of	cookies for analytics, p	ersonalized contenand a	ids. By continuing	to browse this site, you	agree to this use.			Learn more	•
Microsoft					Search all of IIS.NET		٩	Sign In	Join
IS Home	Manage	Downloads	Learn	Reference	Solutions	Blogs	Forums		
Il Downloads Comn	nunity Contributed	Downloads Microsof	t Supported Dov	wnloads Free Web	Platform Installer				
me > Downloads > Cor	mmunity Contributed	Downloads > PHP Manage	ar 1.5.0 for IIS 10						
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ome > Downloads > Cor	150 for US	Downloads > PHP Manage	er 1.5.0 for IIS 10						
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ome + Downloads + Cor 'HP Manager , This is a Community Cont	nmunity Contributed	Downloads > PHP Manage	er 1.5.0 for IIS 10	Download t Get official downloads w	his extension	2			
ome > Downloads > Cor PHP Manager This is a Community Cont	1.5.0 for IIS tributed Download	Downloads > PHP Manage	er 1.5.0 for IIS 10	Download t Get official downloads w	his extension	2			
me > Downloads > Cor HP Manager , This is a Community Cont ategory icense	1.5.0 for IIS ributed Download Host App Free	Downloads > PHP Manage	er 1.5.0 for IIS 10	Download t Get official downloads w	his extension	9			
HP Manager This is a Community Cont Category icense	1.5.0 for IIS Host App Free Knowled	Downloads > PHP Manage 10 	er 1.5.0 for IIS 10	Download t Get official downloads w	his extension	2			
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Confirm the following dialog with "OK":



Follow the further download instructions and download the installation package to your hard disk.





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

Installing PHP Manager

Open the downloaded PHPManagerForIIS_V1.5.0.msi file.

Start the installation by clicking "Next >":



Confirm the license (1) and click on "Next >" (2):



🔀 PHP Manager for IIS	_		\times
License Agreement		(
Please take a moment to read the license agreement now. If you accept the Agree'', then "Next". Otherwise click "Cancel".	terms	below, clicl	k ''I
The MIT License (MIT)			^
Copyright (c) 2016 Ronald Carter			
Permission is hereby granted, free of charg person obtaining a copy	e, t	o any	
of this software and associated documentati	on f	iles	
in the Software without restriction, includ	ing	withou	t
O I Do Not Agree			
Cancel < Bac.	2	Next	>

The installation is now executed and completed without further confirmation. You can close the setup program when finished:

🔀 PHP Manager for IIS	_		\times
Installation Complete			
PHP Manager for IIS has been successfully installed.			
Click "Close" to exit.			
Please use Windows Update to check for any critical updates to the .NET	Framew	ork.	
Cancel < Back		C	ose

Next step

If you have completed all steps successfully, you can delete the previously downloaded "PHPManagerForIIS_V1.5.0.msi" file from your hard disk and continue to the next step "PHP 7.3".