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Setup:Installation Guide/System Preparation/Windows /MariaDB

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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 - Maria 🛛 🗶 🗧									
(←) → ♂ ŵ	https://downloads.mariadb.org/	mariadb/10.3	.13/		F	… ⊠ ☆	lin		≡
MariaDB [®] FOUNDATION	MariaDB 10.3.13 Release Notes Changelog Affordable, enterprise class prr Foundation's release sponsor, MariaDB Corporation at sales	Stable duct support, MariaDB Corp @mariadb.com	2019-02-21 professional services, an voration. To learn more al 1.	nd training for bout them an	your MariaDB d	latabase is available from t for MariaDB, visit their web	View all n he MariaDB site, or email	eleases	
open source software									
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 a	bout MariaDB?	Check	
General Public License version 2. You can download and use it as much as you want free of charge. All use of the bisories from	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			
Foundation does not provide any guarantees	For best results with RPM and	DEB packages	s, use the Repository Co	nfiguration To	ool.	DEB Package			
and cannot be hold liable for any issues you may encounter.	mariadb-10.3.13-winx64- debugsymbols.zip	ZIP file	Windows x86_64	144.0 MB	Chedsum	Generic Linux			ł
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	Chedsum	Source Code Windows			
multiple MariabB vendors. There are alse many resources you can use to learn MariabB	mariadb-10.3.13-winx64.msi	MSI Package	Windows x86_64	54.5 MB	Chedsum				
online.	mariadb-10.3.13-win32.zip	ZIP file	Windows x86	62.5 MB	Chedsum	Package Type			
binaries available from commercial vendors	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	Chedsum	☐ 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	—	×
End-User License Agreement Please read the following license agreement carefully	MariaDB _{Server}	A
GNU GENERAL PUBLIC LICENSE		^
Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation, Street, Fifth Floor, Boston, MA 02111-1301, USA Er to copy and distribute verbatim copies of this license changing it is not allowed	, Inc., 51 Franklin veryone is permit e document, but	ted
Preamble The Denses for most software are designed to take	away your freedo	om ⊻
Brint Back	2 Next	Cancel

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 to 'root' user Use UTF8 as default server's character set	Enter new root password Refer the password or
	Back Next 2 ancel

Confirm the next step by clicking "Next":



记 Database settings			_	
Default instance	properties		MariaDI	BR
MariaDB 10.3 (x64)) database configuration	1	Serve	er E
✓ Install as service				
Service Name:	MySQL			
Enable networkin	g			
TCP port:	3306			
Innodb engine s	ettings			
Buffer pool size:	1023 MB			
Page size:	16 🗸 KB			
		<u>B</u> ack	Next	Cancel

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_	Monty Program has created a Feedback plugin for MariaDB which, if enabled, collects basic anonymous statistical information. This information is used by the developers to improve MariaDB. Enabling this plugin is an easy way to help with MariaDB development. Collected statistics, and more information on the plugin, can be viewed at http://mariadb.org/feedback_plugin					
More Info						
	Back Next C	ancel				

Now start the installation:





When the installation is complete, exit the installer:

🖟 MariaDB 10.3 (x64) Setup	- 🗆 X
	Completed the MariaDB 10.3 (x64) Setup Wizard
MariaDB'	Click the Finish button to exit the Setup Wizard.
	Back Enish Cancel

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	5				×
Computer Name	Hardware	Advanced	Remote		
You must be lo	gged on as a	an Administrat	tor to make r	nost of the	se changes.
Performance					
Visual effects	processor s	cheduling, m	emory usage	e, and virtu	al memory
				Se	ettings
User Profiles					
Desktop settir	ngs related to	o your sign-in			
				Se	ettings
Startup and R	ecovery				
System startup	o, system fai	lure, and deb	ugging inform	nation	
				Se	ettings
			E	nvironment	Variables
		OK	Ca	ancel	Apply

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





lana da bia da Astala tata ta	
Iser variables for Administrator	
Variable	Value
Path	C:\Users\Administrator\AppData\Local\Microsoft\WindowsApps;
TEMP	C:\Users\Administrator\AppData\Local\Temp
TMP	C:\Users\Administrator\AppData\Local\Temp
	New Edit Delete
ystem variables	Value
ystem variables Variable	Value
ystem variables Variable ComSpec DriverData	Value C:\Windows\system32\cmd.exe C\Windows\System32\Driver:DriveDsta
variables Variable ComSpec DriverData NIMBRE OF PROCESSORS	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1
variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows NT
ystem 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;C:\Windows;C:\Windows\System32\Wbern;
ystem 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;COMy:EXE;:BAT;:CMD;:VBS;:VBE;JS;JSE;:WSF;:WSF;:WSF;:MSC
ystem 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;:VBE;:VSE;:JS;:JSE;:WSF;:WSF;:MSC AMD64
ystem 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;.WSH;.MSC AMD64 New Edit Delete
ystem 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;.WSH;.MSC AMD64 New Edit Delete
ystem 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 New Edit Delete

Click "New":

dit environment variable	
%SystemRoot%\system32	New
%SystemRoot%	
%SystemRoot%\System32\Wbem	Edit
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%SYSTEMROOT%\System32\OpenSSH\	<u>B</u> rowse
	<u>D</u> elete
	Movellin
	move <u>o</u> p
	Move D <u>o</u> wn
	Edit <u>t</u> ext
0	K 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 .

%SystemRoot%\system32	New
%SystemRoot%	
%SystemRoot%\System32\Wbem	<u>E</u> dit
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%SYSTEMROOT%\System32\OpenSSH\	Browse
C:\bluespice\bin\php-7.3.3	
C:\Program Files\Git\cmd	<u>D</u> elete
<u>C\Program Files\nodejs\</u>	
C:\Program Files\MariaDB 10.3\bin	
	Move <u>U</u> p
	Mayo Dawy
	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".

OpenJDK on Windows

A quality version of this page, approved on 25 June 2020, was based off this revision.

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Java is a prerequisite for the operation of Advanced Search, PDF export, VisualDiff (BlueSpice pro only) and the LaTeX renderer (BlueSpice pro only). The steps listed here are optional and only required if you plan to use one or more of these services in your BlueSpice installation.

Introduction

For licensing reasons, we decided to use the alternative OpenJDK published under the GPL instead of the Java Runtime Environment. Of course, you are free to use the JRE of https://java. com/, but here we only document OpenJDK.

Download

Open the official download page (1) in your browser and select the version marked "Ready for use" (2).



Select the ZIP archive in the 64bit version for Microsoft Windows





Follow the further download instructions and download the ZIP archive to your hard disk.



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.



In this guide, version 11.0.2 of OpenJDK is used and serves only as an example for the latest version, which you can download at the time of your installation.

Unpacking the ZIP archive

Unzip the ZIP archive that you just downloaded into a suitable system path on your hard drive.

{{Template:Hint|text=This documentation is based on the [[Setup: Installation Guide/Advanced /Windows_Folder_Sructure | folder structure recommended by us]. For this reason, OpenJDK is unpacked into the folder C:\bluespice\bin\jdk-11.0.2. If you have different folder requirements, you must adapt these paths accordingly.}}

Setting the environment variable

Press 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	l.
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	

Click "New ... ":



Variable	Value		
Path	C:\Users\Administrator\AppData\Local\Microsoft\WindowsApps;		
TEMP	C:\Users\Administrator\AppData\Local\Temp		
ТМР	C:\Users\Administrator\AppData\Local\Temp		
rstem variables	New <u>E</u> dit <u>D</u> elete		
stem variables Variable	New Edit Delete		
stem variables Variable ComSpec	New Edit Delete Value C:\Windows\system32\cmd.exe		
stem variables Variable ComSpec DriverData	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData		
rstem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS	Value C:\Windows\system32\crnd.exe C:\Windows\System32\Drivers\DriverData 1		
stem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS	New Edit Delete Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT		
rstem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path	New Edit Delete Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;		
stem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path PATHEXT	New Edit Delete Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT C:\Windows\system32;C:\Windows;C:\Windows\System32\Wberr, .COM;.EXE;.BAT;.CMD;.VBS;.VBE;JS;JSE;.WSF;.WSF;.WSF;.MSC		
stem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path PATHEXT PROCESSOR ARCHITECTURE	New Edit Delete Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT C:\Windows\system32;C:\Windows;C:\Windows\System32\Wberr, .COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;JSE;.WSF;.WSH;.MSC AMD64		

Set the name of the variable "JAVA_HOME" (1). As the value of the variable, specify the directory of your OpenJDK installation that you have just copied to C:\ bluespice\bin (2). Here you can use the "browse directory" button (3). Then click "OK" (4):

New System Variable	,	×
Variable <u>n</u> ame:	JAVA_HOME]
Variable <u>v</u> alue:	C:\bluespice\bin\jdk-11.0.2]
Browse Directory	3 Browse <u>File</u> OK 4 Incel]

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

Next step

If you have completed all steps successfully, you can delete the previously downloaded "openjdk-11.0.2_windows-x64_bin.zip" file from your hard disk and go to the next step "Apache Tomcat".