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Studio 2015	80



Setup:Installation Guide/System Preparation/Windows

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

- Introduction
- IIS Web Server
- Visual C++ Redistributable for Visual Studio 2015
- PHP Manager
- PHP 7.3
- MariaDB
- OpenJDK
- Apache Tomcat
- Elasticsearch
- Git
- Node.js
- Parsoid
- Python
- PhantomJS (BlueSpice pro only)

Apache Tomcat on Windows

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

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Ð

Apache Tomcat is required for the PDF export, VisualDiff (BlueSpice pro only) and the LaTeX renderer (BlueSpice pro only). The following steps are optional and only required if you want to use one or more of these services in your BlueSpice installation.



Operation of Apache Tomcat requires OpenJDK. If you have not installed it, follow the link above.

Download

Open the official download page (1) in your browser and go to the version 9 (2) download page.



Download the "32-bit/64-bit Windows Service Installer"

Setup:Installation Guide/System Preparation /Windows



🗲 💿 🛃 https://tomci	at.apache.org/download-90.cgi アーム 🖉 🖄 🛱	503
Apache Tomcat® - Apach	ne× []	
Taglibs		
Maven Plugin	Quick Navigation	
Download		
Which version?	KEYS 9.0.16 Browse Archives	
Tomcat 9	Release Integrity	
Tomcat 7		
Tomcat Connectors	You must verify the integrity of the downloaded files. We provide OpenPGP signatures for every release file. This signature should be matched against	,t
Torncat Native	the KEYS file which contains the OpenPGP Keys of Tomcat's Release Managers. We also provide SHA-512 checksums for every release file. After you download the file you should calculate a checksum for your download, and make sure it is the same as ours.	1
Archives	download the life, you should calculate a checksum for your download, and make sure its life same as ours.	
D	Mirrors	
Tomcat 9.0		
Tomcat 8.5	You are currently using nttp://www.gutscheine.org/mirror/apache/. II you encounter a problem with this mirror, please select another mirror. If all mirrors are failing there are backur mirrors (at the end of the mirrors list) that should be available.	
Tomcat 7.0	nimolo ale laimig, une ale basiap nimolo (al une and o une nimolo ind) una nimolo ale admable.	
Tomcat Connectors	Other mirrors: http://apache.lauf-forum.at/	
Wiki		
Migration Guide	9.0.16	
Fresemanons	Plasse see the PEADME file for packaging information. It explains what every distribution contains	
Problems?	ricase see the <u>KLENDINE</u> life for packaging information. It explains what every distribution contains.	
Security Reports	Binary Distributions	
FAQ		
Mailing Lists	Core: The (non-shoE12)	
Bug Database	• tip (u), statuta) • tar az (aos. sha512)	
into	32-bit Windows zip (pgp, sha512)	
Get Involved	• 64-bit Windows zip (ppp, sha512)	
Overview Source code	Full documentation: Full documentation:	
Buildbot	• tar.gz (pgp, sha512)	
Tools	Deployer:	
Media	• 210 (100), SH6512) • Jar q2 (non, Sh6512)	
Twitter	Embedded:	
YouTube	• <u>tar.gr</u> (pgp, <u>sha512</u>)	
Blog	 ZID (DQD, SDBD1Z) 	



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.



This guide uses version 9.0.16 of Apache Tomcat and is just an example of the latest version that you can download at the time of installation.

Installing Apache Tomcat

Open the downloaded file "apache-tomcat-9.0.16.exe".

Start the installation by clicking "Next >":





Confirm the license agreement by clicking "I Agree":

😹 Apache Tomcat Setup —	
License Agreement Please review the license terms before installing Apache Tomcat.	
Press Page Down to see the rest of the agreement.	
Apache License Version 2.0, January 2004 http://www.apache.org/licenses/	^
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION Definitions. Ticense" shall mean the terms and conditions for use reproduction	
and distribution as defined by Sections 1 through 9 of this document.	~
If you accept the terms of the agreement, click I Agree to continue. You must acce agreement to install Apache Tomcat.	ept the
Nullsoft Install System v3.04	Cancel

Click "Next >":



🗮 Apache Tomcat Setup		- 🗆 X
Choose Components Choose which features of Apa	che Tomcat you want to install.	
Check the components you wa install. Click Next to continue.	int to install and uncheck the comp	onents you don't want to
Select the type of install:	Normal ~	
Or, select the optional components you wish to install:	Tomcat Start Menu Items Occumentation Manager Host Manager Examples	Description Position your mouse over a component to see its description.
Space required: 13.2 MB		
Nullsoft Install System v3.04		
	< <u>B</u> ack	Next > Cancel

Click "Next >" again:

減 Apache Tomcat Setup: Cor				
Configuration Tomcat basic configuration.				
Server Shutdown Port		8005		
HTTP/1.1 Connector Port		8080		
Windows Service Name		Tomcat9		
Create shortcuts for all users				
Tomcat Administrator Login	User Name]
(optional)	Password]
	Roles	manager-gui]
Nullsoft Install System v3.04				
		< Back Ne	ext >	Cancel

Select (1) the home directory of your OpenJDK Installation (2) and click "Next>" (3):



減 Apache Tomcat Setup: Java Virtual Machine path selection	_		×
Java Virtual Machine Java Virtual Machine path selection.		X	
Please select the path of a Java SE 8.0 or later JRE installed on your s	ystem.		
2 C:\bluespice\bin\jdk-11.0.2			
Nullsoft Install System v3.04	ct >	Can	icel

Start the Tomcat Installation:

減 Apache Tomcat Setup		_		\times
Choose Install Location			~	24
Choose the folder in which to install Apache Tomcat.			X	X
Setup will install Apache Tomcat in the following folder. To in: Browse and select another folder. Click Install to start the in:	stall in a diffe stallation.	rent fold	ler <mark>, c</mark> lick	
Destination Folder				
C:\Program Files\Apache Software Foundation\Tomcat S	9.0	B <u>r</u> ows	e	
Space required: 13.2 MB				
Space available: 47.0 GB				
Nullsoft Install System v3.04				
< <u>B</u> ack	<u>I</u> nstal		Canc	el

At the end of the installation, leave both preselected checkboxes (1) and finish the setup (2)





Configuring Apache Tomcat

Change to the installation directory of Tomcat. By default, you can find it at C:\Program Files\Apache Software Foundation\Tomcat 9.0\conf .

Open the context.xml file in a text editor and replace the one-time line

<Context>

with

<Context mapperContextRootRedirectEnabled="true">



Weiter minister of the state of		 ~
"C:VProgram Files Apache Software Foundation (Iomcat 9.0/cont/context.xm) - Notepad++ [Administrator]	-	~
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?		х
• 🖶 🖶 🐚 • • • • • • • • • • • • • • • • • •		
En context xml 🖸		
1 <2 xml version="1.0" encoding="UTF-8"		
2 🖓 </td <td></td> <td></td>		
3 Licensed to the Apache Software Foundation (ASF) under one or more		
4 contributor license agreements. See the NOTICE file distributed with		
5 this work for additional information regarding copyright ownership.		
6 The ASF licenses this file to You under the Apache License, Version 2.0		
7 (the "License"); you may not use this file except in compliance with		
8 the License. You may obtain a copy of the License at		
10 <u>http://www.apache.org/licenses/Lice</u>		
11 Internet warming her applicable law on anneal as in uniting asfronces		
12 Distass required by appricable law of agreed to in writing, software		
14 WITHOUT WARDATTES OF CONDITIONS OF ANY KIND airbar avarage or implied		
Is See the License for the energing and any time expression and		
16 Junitations under the Specific language governing pennissions and		
18 The contents of this file will be leaded formeach web application>		
19 S <context mappercontextrootredirectenabled="true"></context>		
20 Default set of monitored resources. If one of these changes, the		
22 (1 web application will be reloaded>		
23 <watchedresource>WRB-INF/web.xml</watchedresource>		
24 <watchedresource>WBB-INF/tomcat-web.xml</watchedresource>		
<pre>25 <watchedresource>\$(catalina.base)/conf/web.xml</watchedresource></pre>		
26		
27 Uncomment this to disable session persistence across Tomcat restarts		
28 🖨 </td <td></td> <td></td>		
29 <manager pathname=""></manager>		
30>		
31 L		
32		
eXtensible Markup Language file length : 1,471 lines : 32 Ln : 19 Col : 50 Sel : 0 0 Windows (CR LF) UTF-6		INS .

Save and close the file.

In the same directory, open the file server.xml in a text editor and make sure that the complete block

```
<Connector port="8080" protocol="HTTP/1.1"
... />
```

looks like this:

```
<Connector port="8080" protocol="HTTP/1.1"
connectionTimeout="20000"
URIEncoding="UTF-8"
redirectPort="8443"
address="127.0.0.1" />
```





Save and close the file.

Recently added Windows Server Configure Tomcat Ŀ Σ 놆 nitor Tomcat Windows PowerShell ISE Windows PowerShell HeidiSOL ver Manage Expand ÷ <u>e</u>-E ł 7-Zip New Task Manager <u>4</u> 0 Apache Tomcat 9.0 Tomcat9 Remote Desktop nfigure Tomcat Event Viewe 8 Tomcat 9.0 Program Directory ۲ Tomcat Documentation Ľ Tomcat Home Page Ś Tomcat Manager <u>نې</u> Welcome ூ

Find the entry "Configure Tomcat" in the start menu and open it:

Set "Startup type" to "Automatic" (1) and start Tomcat (2). Then exit the configuration console (3):



Apach	ie Tomca	t 9.0 Tom	cat9 Pro	operties			\times
General	Log On	Logging	Java	Startup	Shutdown		
Service	e Name:	Tomcat?	,				
Display	<u>n</u> ame:	Apache	e Tomca	t 9.0 Tomo	at9		
<u>D</u> escrip	otion:	Apache	e Tomca	t 9.0.16 Se	erver - https://	tomcat.apache	
Path to	o executa	ble:					
"C:\P	rogram Fil	es\Apache	Softwa	re Foundat	tion\Tomcat 9.0)\bin\Tomcat9.	
Startup	o typ <u>e</u> :	Automa	atic		1	~	
Service	e Status:	Stopped	1				
9	<u>S</u> tart	2	pp	P	ause	<u>R</u> estart	
_							
				ОК	3 cel	Apply	

Reviewing the installation

To check if Tomcat is working correctly, open the address http://localhost:8080/ in a browser on the server.

You should now see the homepage of the Tomcat server:





Installing the web apps

After the successful installation of BlueSpice, please follow the next steps to install the web services and activate the respective BlueSpice extension:

- PDF-Export
- VisualDiff (BlueSpice pro only)
- LatexRenderer (nurBlueSpice pro only)

Next step

If you have completed all steps successfully, you can delete the previously downloaded "apachetomcat-9.0.16.exe" file from your hard drive and continue to the next step " Elasticsearch".

Elasticsearch on Windows

A quality version of this page, approved on 16 December 2021, was based off this revision.

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4	Installing the Elasticsearch service	. 15
5	Configuring and starting the Elasticsearch service	. 15
6	Next step	. 17





Elasticsearch is a prerequisite for running Advanced Search. The steps listed here are optional and only required if you plan to use them in your BlueSpice installation.



To run Elasticsearch, OpenJDK is required. If you have not installed it, install it now.

Download Elasticsearch

BlueSpice is currently compatible with Elasticsearch 6.8.x as of version 6.8.21. Elasticsearch > 6.8.x is currently **NOT supported!**

The latest version can be found at this list. This results in the following direct download link: https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-<version number>.zip. For example, https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-6.8.21.zip.

Follow the download instructions of your browser.



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 the following, Elasticsearch version 6.8.21 is used and is only an example of the latest version of the 6.8.x version, which you can download at the time of your installation.

Unpacking Elasticsearch

Unpack the contents of the ZIP archive (2) just downloaded into the folder "C: \bluespice\bin\elasticsearch-6.8.21" (1):



← → ~ ↑	> Th	is PC > Local Disk (C:) > bluespice	> bin	0			
		Name		Date modified	Туре	Size	
📌 Quick access		elasticsearch-7150	2	05/10/2021 08:49	File folder		
E Desktop	1	idk-17	2	04/10/2021 15:12	File folder		
👆 Downloads	1	php 74		04/10/2021 11:49	File folder		
Documents	*	- bub the		047107202111140	The folder		
E Pictures	*						
, bin							
npm							
var							
www							
This PC							
💣 Network							

Installing the plugin ingest-attachment

Change to the directory "C:\bluespice\bin\elasticsearch-6.8.21\bin" (1) and right-click on a free area of the Explorer window with the Shift key pressed. Then click "Open Windows Powershell Here" (2):

File Home Share	View					~ 🕐
← → ∽ ↑ 🚺 → This PC	> Local Disk (C:) > bluespice > bin > e	lasticsearch-7.15.0 →			✓ ひ Search elasticsearch-7	<i>р</i>
N	ame	Date modified	Туре	Size 🔓		
✓ Quick access Desktop	bin config	04/10/2021 15:47 05/10/2021 08:49 05/10/2021 08:50	File folder File folder File folder			
🚆 Documents 🖈 📰 Pictures 🖈 🔒 bin	jdk lib logs	04/10/2021 15:47 04/10/2021 15:47 08/10/2021 08:51	File folder File folder File folder		<u>V</u> iew S <u>o</u> rt by <u>G</u> roup by	> > >
npm var	plugins LICENSE NOTICE	04/10/2021 15:48 05/10/2021 08:44 04/10/2021 15:47 04/10/2021 15:47	File folder File folder Text Document Text Document	4 KB - 615 KB	Refresh Customise this folder Paste	
This PC Metwork	README.asciidoc	04/10/2021 15:47	ASCIIDOC File	3 KB	Paste shortcut Undo Move Open with Visual Studio	Ctrl+Z
					Git GUI Here Git Bagh Here Open Power§hell window here Give access to Negg	2 > >
					P <u>r</u> operties	

Execute the command "elasticsearch-plugin.bat install ingest-attachment" (1) and after downloading the plugin, confirm the installation request with "y" (2):

🚾 Administrator: Command Prompt (MariaDB 10.6 (x64))	-	×
Setting environment for MariaDB 10.6 (x64)		^
C:\Windows\system32>cd C:\bluespice\bin\elasticsearch-7.15.0\bin		
<pre>c:\bluespice\bin\elasticsearch-7.15.0\bin\$elasticsearch-plugin.bat install ingest-attachment 'warning: usage of JAVA HOME is deprecated, USE ES_JAVA_HOME > Installing ingest-attachment from elastic [</pre>		
Continue with installation?[y/N]y] 2 -> Installed ingest-attachment -> Please restart Elasticsearch to activate any plugins installed		





BlueSpice

If your server does not have an active internet connection, then download the plug-in ingestattachment as zip archive and install it, as documented directly by the manufacturer.

Installing the Elasticsearch service

Next, run the elasticsearch-service.bat install command and wait for the process to complete:

C:\bluespice\bin\elasticsearch-7.15.0\bin}plasticsearch-service.bat install "warning: usage of JAVA_HONE is deprecated, use t5_JAVA_HOME Installing service := "elasticsearch-service-X64" Using t5_JAVA_HOME (64-bit): "C:\bluespicebbin\jdk-17" -0Es.nettworkaddress.cache.tl=069;0-bs.networkaddress.cache.negative.ttl=10;-XX:+AlwaysPreTouch;-XsSim;-Djava.awt.headles s=true;-DFile.encoding=UTF-8;0[pha.nosys=true;-XX::omltStackTraceInfastThrow;-XX:+ShowCodeDetailSinExceptionMessages;-Di 0netty.neUnsfe=true;-Dio.netty.nokeySetOptimIzion=true;-Diogdj2.disable.jmw=true;-Djava.locale.provide=S=SDf_COMPAT;-ad 0.onetty.neUns.fest_fue:_Dio.netty.nokeySetOptimIzion=true;-Diogdj2.disable.jmw=true;-Djava.locale.provide=S=SDf_COMPAT;-ad 0.opens_juva.base/java.obt.l.UNMAMPDL=XX:HSGCf.ojdava.io.tmginectUserXAUDTMIN-1AppDbwelasticsearch;- XI:+HasqDumpdrOutOfHemoryError;-XX:HeapDumpAth=data;-XX:ErrorFile=logs/hs_err_pidpi2;-XX:HSGTME=SSGF?001;-XX:SS	
GiHeapRegionSize=4m;-XX:InitiatingHeapOccupancyPercent=30;-XX:GiReservePercent=15	
The service 'elasticsearch-service-x64' has been installed.	
C:\bluespice\bin\elasticsearch-7.15.0\bin>	~

Configuring and starting the Elasticsearch service

Press the key combination Windows+R.

In the following dialog box, enter "services.msc" (1) und confirm with "OK" (2):



Search for the service "Elasticsearch 6.8.21" and open it with a double-click:



File Action View Help	▶ ■ II IÞ					~
File Action View Help Image: Services (Local) Image: Services (Local) Image: Services (Local)	▶ ■ II IÞ					
← ➡ □ Q ➡ Z □ ► ▷						
Services (Local) Services (Lo						
	ocal)					
Select an item to	view its description.	Name	Description	Status	Startup Type	Log ^
		Q DevicesFlow 254d4	Allows Con		Manual	Loc
		DevQuery Background Disc	Enables app		Manual (Trig	Loc
		A DHCP Client	Registers an	Running	Automatic	Loc
		🖏 Diagnostic Policy Service	The Diagno	Running	Automatic (D	Loc
		🍓 Diagnostic Service Host	The Diagno		Manual	Loc
		🎑 Diagnostic System Host	The Diagno	Running	Manual	Loc
		🍓 Distributed Link Tracking Cl	Maintains li	Running	Automatic	Loc
		🧠 Distributed Transaction Coo	Coordinates	Running	Automatic (D	Net
		🍓 DNS Client	The DNS Cli	Running	Automatic (T	Net
		🖳 Downloaded Maps Manager	Windows se		Disabled	Net
		Elasticsearch 7.15.0 (elastics	Elasticsearc		Manual	Loc
		Sended Mode	The Embed		Manual (Trig	Loc
		🍓 Encrypting File System (EFS)	Provides th		Manual (Trig	Loc
		🍓 Enterprise App Managemen	Enables ent		Manual	Loc
		Extensible Authentication P	The Extensi		Manual	Loc
		Sunction Discovery Provide	The FDPHO	Running	Manual	Loc
		Sunction Discovery Resourc	Publishes th	Running	Manual (Trig	Loc
		🍓 Geolocation Service	This service		Disabled	Loc
		🍓 Google Chrome Elevation S			Manual	Loc
		🧠 Google Update Service (gup	Keeps your		Automatic (D	Loc
		Google Update Service (gup <	Keeps your		Manual	Loc Y
Extended Stan	ndard /					

Select the startup type "Automatic" (1) and start the service (2). After the service is started, close the window with "OK" (3):

Elasticsea	rch 7.15.	0 (elasticsea	rch-service-x64) Properties (Local Co	\times
General	Log On	Recovery	Dependencies			
Service	name:	elasticsear	ch-service-x64			
Display	name:	Elasticsean	ch 7.15.0 (elastic	search-service	-x64)	
Descript	tion:	Elasticsear https://ela	ch 7.15.0 Windov stic.co	ws Service -	$\hat{}$	
Path to C:\blues	executabl spice \bin \	e: .elasticsearcł	n-7.15.0\bin\elast	ticsearch-servio	ce-x64.exe //	
Startup	0	Automatic			~	
Service	status:	Stopped				
S	itart	2	Pau	use	Resume	
You car from her	n specify t re.	he start para	meters that apply	when you start	the service	
Start pa	rameters:					
			3			
			ОК	Cancel	Apply	



Next step

If you have completed all steps successfully, you can delete the previously downloaded file "elasticsearch-6.8.21.zip" from your hard disk and continue to the next step "Git".

Git on Windows

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

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Git is an application for software version management. It is required for the installation of Node.js, which in turn is required for the operation of the rendering service "Parsoid" for the Visual Editor. The steps listed here are optional and only required if you want to use them in your BlueSpice installation.

Download

In the Internet Explorer, open the official download page on git-scm.com (1). If the optimal download for your operating system does not start automatically, click on "64-bit Git for Windows Setup" (2):



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.



Git version 2.19.1 will be used below as an example. You can download the latest version of Git at the time of installation.

Installing Git

Open the downloaded Git-2.19.1-64-bit.exe file.

Start the installation by clicking "Next >":

Blue Spíce MediaWiki

🚸 Git 2.19.1 Setup	_		\times
Information Please read the following important information before continuing.			8
When you are ready to continue with Setup, dick Next.			
GNU General Public Licen	se	^	
Version 2, June 1991			
Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA			
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.			
Preamble			
The licenses for most software are designed to take aw freedom to share and change it. By contrast, the GNU Ge License is intended to quarantee your freedom to share a	ay you eneral P and cha	r Public nge V	
https://gitforwindows.org/	t >	Cano	el

Click, as pictured here, through the further installation steps:

OL 21.23 Lines Out of 21.25 Lines	O 2.5.15.16.20 O C 2.5.15.15.16.20 O C 2.5.15.16.20 O C 2.5.15.15.16.20 O C 2.5.15.15.15.15.15 O C 2.5.15.15.15.15.15.15.15.15.15.15.15.15.1	Alexandrow See a	Out a table Out a table
<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	Constant and the second	<image/> <section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>
	Of Set 1925 Server		

You can close the setup program now:





Next step

If you have completed all steps successfully, you can delete the previously downloaded file "Git-2.19.1-64-bit.exe" from your hard disk and go to the next step" Node. js".

Setup:Installation Guide/System Preparation/Windows/IIS Web Server

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

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The web server delivers your BlueSpice installation to the users' browsers. Without a web server, BlueSpice cannot be used. The steps listed here are required.

Introduction

We recommend to use the most system-optimized software possible for a live operation of BlueSpice both under Linux and under Windows. For this reason, the documentation of an installation of Apache (XAMP) under Windows is omitted. This chapter lists the steps that are necessary to install the Microsoft IIS Web Server service on Windows Server >= 2012.

The Server Manager and managing roles

First, open the Server Manager. Unless otherwise configured, it starts automatically as soon as you log in to the server. Otherwise, you will find it in the start menu under the search term "Server Manager". You are now in the following view:



Click "Manage" (1) und then "Add Roles and Features" (2):



🚡 Server Manager				- 🗆 X
Server Mana	ager 🕨 Dashboard		• @ 🖡	Manage Jols View Help
The Dashboard W	VELCOME TO SERVER MANAGER			Remove Roles and Features
Local Server				Create Server Group
All Servers	1 Confiau	ire this local server		Server Manager Properties
■File and Storage Services ▶				
	2 Add ro	oles and features		
	3 Add o	ther servers to manage		
	WHAT'S NEW 4 Create	e a server group		
	5 Conne	ect this server to cloud services		
	Conne			Hide
	LEARN MORE			
R	OLES AND SERVER GROUPS			
R	oles: 1 Server groups: 1 Servers total: 1			
	File and Storage Services 1	Local Server 1	All Servers	1
	Manageability	Manageability	Manageabil	ity
	Events	Events	Events	
	Performance	5 Services	5 Services	
	BPA results	Performance	Performance	2
		BPA results	BPA results	
		28.10.2018 14:14		28.10.2018 14:14

Installing IIS in the Role Manager

You are now in the Role Manager.

Click "Next >" until you reach the "Server Roles" area (1). There, you activate the role "Web Server (IIS)" (2):

Select server rol	es	DESTINATION SERVER WIN-OJ8QSBRBS0L
Before You Begin Installation Type Server Roles Features Confirmation Results	Select one or more roles to install on the selected server. Roles Cative Directory Certificate Services Cative Directory Federation Services Cative Directory Lightweight Directory Services Cative Directory Rights Management Services Device Health Attestation DHCP Server Fax Server Case Server Case Services Cative Directory Services Cative Desktop Services Cative Directory Services Cative Desktop Service Cative Desktop Service Cative Desktop Services Cative Desktop Services Cative Desktop Service C	Description Active Directory Certificate Services (AD CS) is used to create certification authorities and related role services that allow you to issue and manage certificates used in a variety of applications.

Confirm the pop-up that shows the selection of the role with "Add Features":



Add features that are required for Web Server (IIS)?
Add features that are required for Web Server (IIS)?
Add features that are required for Web Server (IIS)?
-
The following tools are required to manage this feature, but do not
have to be installed on the same server.
4 Web Server (US)
Management Tools
[Tools] IIS Management Console
[]
Laskuda managant tasla (if analisabla)
Include management tools (if applicable)
Add Eastures Cancel
Add reatures Cancer

Click "Next >":

elect server ro	les	DESTINATION SERVEI WIN-OJ8QSBRBS0
Before You Begin Installation Type Server Selection	Select one or more roles to install on the selected server. Roles	Description Web Server (IIS) provides a reliable
Server Roles Features Web Server Role (IIS) Role Services Confirmation Results	Active Directory Domain Services Active Directory Federation Services Active Directory Hightweight Directory Services Active Directory Rights Management Services Device Health Attestation DHCP Server DNS Server Fax Server Fax Server Fax Server MultiPoint Services (1 of 12 installed) Host Guardian Service Hyper-V MultiPoint Services Network Policy and Access Services Print and Document Services Remote Access	manageable, and scalable Web application infrastructure.
	Volume Activation Services Velume Activation Services Velume Activation Services Velume Server (IIS) Windows Deployment Services Velume Services	

You are now in the "Features" area(1). Activate ".NET Framework 3.5 Features" (2) and click "Next >" (3):



🚡 Add Roles and Features Wizard		– 🗆 X
Select features		DESTINATION SERVER WIN-OJ8QSBRBSOL
Before You Begin	Select one or more features to install on the selected server.	
Installation Type	Features	Description
Server Roles Features Web Server Role (IIS) Role Services Confirmation Results		INEL Prantework 3.3 Combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.
	Enhanced Storage Failover Clustering Group Policy Management I/O Quality of Service IIS Hostable Web Core Internet Printing Client IP Address Management (IPAM) Server ISNS Server service LPR Port Monitor	
	< Previous Next	> 3 Install Cancel



The .NET Framework 3.5 is not directly required for running IIS. However, tools that will be installed later, which are also partially connected with IIS, definitely require it. For this reason, we install it now.

Confirm the following dialog with "Next >":



Under "Role Services" (1) select "Application Development" (2) with the option "CGI" (3) and confirm with "Next >" (4):





📥 Add Roles and Features Wizard		- 🗆 X
Select role service	S	DESTINATION SERVER WIN-OJ8QSBRBSOL
Before You Begin	Select the role services to install for Web Server (IIS)	
Installation Type	Role services	Description
Server Selection	Centralized SSL Certificate Support	CGI defines how a Web server
Server Roles	Client Certificate Mapping Authentication	passes information to an external
Features	Digest Authentication IIS Client Certificate Mapping Authenticatic	using a Web form to collect
Web Server Role (IIS)	IP and Domain Restrictions	information and then passing that
Role Services	URL Authorization	emailed somewhere else. Because
Confirmation	Application Development 2	CGI is a standard, CGI scripts can be
	.NET Extensibility 3.5	programming languages. The
	Application Initialization	downside to using CGI is the
	ASP ASP.NET 3.5	performance overnead.
	ASP.NET 4.6	
	✓ CG 3	
	ISAPI Filters	
	Server Side Includes	
	<	
	< Previous Next :	> 4 Install Cancel

Click "Install" to start the installation:

onfirm installat	ion selections	SERVE
Do you need to specify a	an alternate source path? One or more installation selections are missing source files on the destinati.	. :
Before You Begin	To install the following roles, role services, or features on selected server, click Install.	
Installation Type	Restart the destination server automatically if required	
Server Selection	Optional features (such as administration tools) might be displayed on this page because they h	nave
Server Roles	been selected automatically. If you do not want to install these optional features, click Previous	to cle
Features	their check boxes.	
Web Server Role (IIS)	.NET Framework 3.5 Features	
Role Services	.NET Framework 3.5 (includes .NET 2.0 and 3.0)	
Confirmation	Web Server (IIS)	
Commation	Management Tools	
	IIS Management Console	
	Web Server	
	Application Development	
	CGI	
	Common HTTP Features	
	Export configuration settings	

As soon as the installation has finished, click "Close" to exit the dialog box.



nstallation prog	ress	DESTIN/ WIN-	ATION SER	VE 3SO
	View installation progress			
	1 Feature installation			
	Installation succeeded on WIN-OJ8QSBRBS0L			
	.NET Framework 3.5 Features			
	.NET Framework 3.5 (includes .NET 2.0 and 3.0)			
	Web Server (IIS)			
Confirmation	IIS Management Console			
Results	Web Server			
	Application Development			
	CGI			
	Common HTTP Features			
	Directory Browsing			
	You can close this wizard without interrupting running tasks. View task pro page again by clicking Notifications in the command bar, and then Task De Export configuration settings	gress or etails.	open thi	5



If the installation terminates with a problem, this is usually caused by the .NET Framework 3.5 in combination with a WSUS server in your domain. The easiest solution for this is to remove the server from the domain, repeat all of the above steps, and then re-adding the server to the domain.

With the successful completion of all these steps, the IIS web server is now installed. Check the functionality by starting Internet Explorer on the server and calling the URL http://localhost/. If installed correctly, you will see the welcome page of the IIS Web server:



Next step

When you have successfully completed all the steps above, go to the next step "Visual C++ Redistributable for Visual Studio 2015".



Introduction to the Bluespice installation guide for Windows

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

To make sure your BlueSpice installation is successful, we show you how to prepare a complete Windows Server environment before running BlueSpice on it.

The documentation is as detailed as possible and illustrated with screenshots.

Nevertheless, we assume that you already have some previous experience in the installation and operation of Windows Server systems.

Prerequisite is an already installed Windows Server from version 2012 without already additionally installed software.

First start with Installing the IIS Web Server.

MariaDB on Windows

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

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5	Next step	36



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	… ⊠ ☆	li		≡
	MariaDB 10.3.13 Release Notes Changele Affordable,enterprise class p Foundation's release sponse	Stable	2019-02-21 professional services, an xoration. To learn more al	id training for	your MariaDB d d their services	latabase is available from for MariaDB, visit their w	View all the MariaDB ebsite, or email	eleases	
MariaDB is free and	MariaDB Corporation at sale	s@mariadb.con	1.						
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 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 binaries 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 world best database software, the MaripDB	Galera 25.3.25 source and packages		Source			Operating Syste	m		
Foundation does not provide any guarantees and cannot be hold liable for any issues you	For best results with RPM and	d DEB packages	s, use the Repository Co	nfiguration To	ol.	DEB Package			
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	RPM Package			
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 and support yourcelf or get neer support	mariadb-10.3.13-winx64.msi	MSI Package	Windows x86_64	54.5 MB	Checksum Instructions				
online.	mariadb-10.3.13-win32.zip	ZIP file	Windows x86	62.5 MB	Chedaum	Package Type			
binaries available from commercial vendors	mariadb-10.3.13-win32- debugsymbols.zip	ZIP file	Windows x86	111.9 MB	Chedisum	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			~

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	MariaDB Server 5	L.
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 changing it is not allowed.	n, Inc., 51 Franklin Everyone is permitted se document, but	t
Preamble The ses for most software are designed to take	e away your freedom	v
\Box I accept the terms in the License Agreement	2	
Print Back	Next Ca	ncel

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	r features will be installed.
Image: Server Image: Server <t< td=""><td>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.</td></t<>	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\	Browse
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 'root' user Use UTF8 as default server's character set 	Enter new root password R. the password Tor
	Back Next 2 ancel

Confirm the next step by clicking "Next":



记 Database settings			_	
Default instance	properties		MariaD	BR
MariaDB 10.3 (x64)) database configuratior	י	Serv	er Av
✓ 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	<u>N</u> ext	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 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:



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	is					\times
Computer Name	Hardware	Advanced	Remote			
You must be lo	gged on as a	an Administrat	tor to make	e most of th	ese changes	
Performance						
Visual effects,	processor s	cheduling, m	emory usa	ge, and virt	ual memory	
					Settings	
User Profiles						
Desktop settir	ngs related to	o your sign-in				
					Settings	
Startup and R	ecovery					
System startup	o, system fai	lure, and deb	ugging info	omation		
					Settings	
				Environme	nt Variables	
		ОК		Cancel	Apply	

In the bottom pane 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				
TMP	C:\Users\Administrator\AppData\Local\Temp				
	New Edit Delete				
/stem variables					
ystem variables	Value				
ystem variables Variable	Value	,			
ystem variables Variable ComSpec DriverData	Value C:\Windows\system32\cmd.exe C\\Windows\System32\Driver\DriverData	-			
vstem variables Variable ComSpec DriverData NIMBER OF PROCESSORS	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData	-			
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 <u>Windows_NT</u> C:\Windows\System32;C:\Windows;C:\Windows\System32\Wbern;	/			
vstem 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\Wber; .COM;:EXE;:BAT;:CMD;:VBS;:VBE;JS;:JSE;:WSF;:WSF;:WSF;:WSF;:WSF;:WSF;:WSF;:WSF	-			
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; CCMV:RXE;:BAT;:CMD;:VBS;:VBE;JS;:JSE;:WSF;:WSF;:WSF;:MSC AMD64				
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;:MSC AMD64				

Click "New":

dit environment variable	>
%SystemBoot%\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 .

%SystemRoot% %SystemRoot%\System32\Wbem %SYSTEMROOT%\System32\WindowsPowerShell\v1.0\ %SYSTEMROOT%\System32\OpenSSH\ C:\bluespice\bin\php-7.3.3 C:\Program Files\Git\cmd	<u>E</u> dit <u>B</u> rowse
%SystemRoot%\System32\Wbem %SYSTEMROOT%\System32\WindowsPowerShell\v1.0\ %SYSTEMROOT%\System32\OpenSSH\ C:\bluespice\bin\php-7.3.3 C:\Program Files\Git\cmd	<u>E</u> dit <u>B</u> rowse
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\ %SYSTEMROOT%\System32\OpenSSH\ C:\bluespice\bin\php-7.3.3 C:\Program Files\Git\cmd	<u>B</u> rowse
%SYSTEMROOT%\System32\OpenSSH\ C:\bluespice\bin\php-7.3.3 C:\Program Files\Git\cmd	Browse
C:\bluespice\bin\php-7.3.3 C:\Program Files\Git\cmd	
C:\Program Files\Git\cmd	
	<u>D</u> elete
C·\Program Files\podejs\	
C:\Program Files\MariaDB 10.3\bin	
	Move <u>U</u> p
	Move Down
	Edit <u>t</u> ext
	_

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".

Node.js on Windows

A quality version of this page, approved on *9 June 2021*, was based off this revision.

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Node.js is required for the operation of the rendering service "Parsoid" for the Visual Editor. The steps listed here are optional and only required if you plan to use them in your BlueSpice installation.

Download



This guide uses the Node.js version 10.13.0 as an example. You can download any 10.x version of Node.js.

BlueSpice is NOT compatible with a Node.js version greater than 10.x!

In Internet Explorer, open the official website of Node.js (1). Download the latest LTS version 10. x.

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



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.

Installing Node.js

Open the downloaded file "node-v10.13.0-x64.msi".

Start the installation by clicking "Next>":





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

Node.js Setup —)
End-User License Agreement Please read the following license agreement carefully		¢
Node.js is licensed for use as follows:		^
Copyright Node.js contributors. All rights reserved.		
Permission is hereby granted, free of charge, to any person obta	aining	
a copy of this software and associated documentation files (the		
"Software"), to deal in the Software without restriction, including)	
distribute sublicense and/or sell conies of the Software and to	,	
permit persons to whom the Software is furnished to do so, sub	ject	
I accept the terms in the License Agreement		
Print Back Next	2	ncel



Confirm the further installation steps by clicking "Next >":

Destination Folder Choose a custom location or click Next to install.	nøde	Custom Setup Select the way you want features to be installed.	nøde	Tools for Native Modules Optionally install the tools necessary to comple native module	nøde
Instal Node, ja to: [::Program Piles]vodej/ Otange		Clid the Lones in the base to sharp the way for the state of the stat	stures will be mutated. Install the core finds () number finds and). This fasture requires 2298 on your and drive. This 2 of 2 disclose selection () the fasture requires 200 on your and dive.	Some rom moduler meet to be completed from CCL++ when me to read a un-moduler, one row OP Priors 2 and Yaka Studie walked. Distinguishing the resonance to be the studies of the studies of the Distinguishing the resonance to a real work and well be to the set Alternatively, Bollow the resonance at these lattices and the alternatively sources.	aling. If you want to be able Build Took) need to be also install Boostarter and installation completes. Into finder-constant-vindoox
Teck	Nest	Reset Disk Usage B	Browse ack Next Cancel	Teck [Next Cancel

Start the installation by clicking "Install":

🔀 Node.js Setup	_		×
Ready to install Node.js	ń	øde	•
Click Install to begin the installation. Click Back to revie installation settings. Click Cancel to exit the wizard.	ew or change any of y	our	
Back	Install	Cancel	

You can close the setup program after finishing the installation:





Adjusting the Installation path of the Node.js packages

By default, Node.js installs its packages in the profile directory of the logged-in user. Since Node. js is intended solely to operate as a user-independent server application under BlueSpice, it is strongly recommended that you change the default path for these packages:

In the Node.js installation folder, open the file node_modules\npm\npmrcin a text editor:

📕 l 📝 🛄 🖛 l npm								×
File Home Share	View				1-1			~ 0
$\leftarrow \rightarrow \uparrow \uparrow \square \rightarrow h$	is PC > Local Disk (C:) > Program Fi	les > nodejs > node_modules >	npm		~ Ö	Search npm		ρ
	Name	Date modified	Type	Size				
🖈 Quick access	bin	3/12/2019 5:02 AM	File folder					
📃 Desktop 🛛 🖈	changelogs	3/12/2019 5:02 AM	File folder					
👆 Downloads 🛛 🖈	doc	3/12/2019 5:02 AM	File folder					
👔 Documents 🛛 🖈	html	3/12/2019 5:02 AM	File folder					
E Pictures 💉	lib	3/12/2019 5:02 AM	File folder					
_	man	3/12/2019 5:02 AM	File folder					
This PC	node modules	3/12/2019 5:02 AM	File folder					
ill 3D Objects	scripts	3/12/2019 5:02 AM	File folder					
E Desktop	test	3/12/2019 5:02 AM	File folder					
Documents	.mailmap	8/2/2018 4:56 PM	MAILMAP File	4 KB				
Downloads		8/3/2018 6:00 AM	NPMIGNORE File	1 KB				
h Music	.travis.yml	3/5/2019 1:14 PM	YML File	2 KB				
- Distance	appveyor.yml	8/2/2018 4:56 PM	YML File	1 KB				
Fictures (AUTHORS	3/5/2019 1:14 PM	File	23 KB				
Videos	CHANGELOG.md	3/5/2019 1:14 PM	MD File	61 KB				
Local Disk (C:)	Configure	8/2/2018 4:56 PM	File	1 KB				
ight Network	CONTRIBUTING.md	11/15/2018 10:29	MD File	5 KB				
-	LICENSE	8/2/2018 4:56 PM	File	10 KB				
	💿 make.bat	8/2/2018 4:56 PM	Windows Batch File	1 KB				
	Makefile	8/2/2018 4:56 PM	File	6 KB				
	npmrc 2	8/2/2018 4:56 PM	File	1 KB				
	package.json	3/5/2019 1:14 PM	JSON File	8 KB				
	README.md	11/15/2018 10:29	MD File	5 KB				
23 items							B	

Edit this file and enter the new default path for your Node.js packages:





Save the file and close the editor.



This documentation is based on the folder structure recommended by us. For this reason, the default path for the Node.js packages is set to the folder C:\bluespice\bin\npm. If you have different requirements, you must adapt these paths accordingly.

Installing the Windows Build Tools

The Node.js package windows-build-tools is required for installing the relevant BlueSpice applications.

To install, first open the Windows command prompt as administrator. To do this, right-click "Start" (1) and select "Command Prompt (Administrator)" (2):





Execute the command "npm install --global --production windows-build-tools":

ang npm	-		×
icrosoft Windows [Version 10.0.14393]			
.) 2010 Microsoft componation. All rights reserved.			
\Windows\system32>npm installglobalproduction windows-build-tools	installable	status	
	installable	scacus	



BlueSpice

This command may take a long time and not show any activity for a long time. However, it is still active and must not be canceled! Additionally, Windows Server may restart during the process without warning. In this case, restart the installation as described above.

After successful installation, you can close the command prompt:



Es Administrator: Command Prompt	-	<
Visual Studio Build Tools Successfully installed Visual Studio Build Tools.		^
Successfully installed Python 2.7		
Now configuring the Visual Studio Build Tools and Python		
All done!		
+ windows-build-tools@5.0.0 updated 1 package in 968.779s		
C:\Windows\system32>		
		v

Next step

If you have completed all steps successfully, you can delete the previously downloaded file "nodev10.13.0-x64.msi" from your hard disk and continue to the next step " Parsoid".

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	к.
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	

Click "New...":



Path (TEMP (TMP (C:\Users\Administrator\AppData\Local\Microsoft\WindowsApps; C:\Users\Administrator\AppData\Local\Temp C:\Users\Administrator\AppData\Local\Temp
TEMP (C:\Users\Administrator\AppData\Local\Temp C:\Users\Administrator\AppData\Local\Temp
TMP	C:\Users\Administrator\AppData\Local\Temp
	New Edit Delete
stem variables	
Variable	Value
ComSpec	C:\Windows\system32\cmd.exe
DriverData (C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS	1
OS I	Windows_NT
Path (C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;
PATHEXT .	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR ARCHITECTURE	AMD64
OS Path (PATHEXT .	Windows_N1 C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem; .COM;.EXE;.BAT;.CMD;.VBS;.VBE;JS;.JSE;.WSF;.WSH;.MSC

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	•	\times
Variable <u>n</u> ame: Variable value:	JAVA_HOME C:\bluespice\bin\jdk-11.0.2	
Browse <u>D</u> irectory	3 Browse <u>File</u> OK 4 ncel	

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".

PHP 7.3 on Windows

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

BlueSpice

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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):

Https://windows.php.net/dow PHP For Windows: Binaries ×	tilead ● C Search	- ۵۵۵ (
РНР: Ну	pertext Preprocessor	
	Home Downloads OA Releases Snapshots Team PHP.net site	
PHP For Windows This site is dedicated to supporting PHP on Microsoft Windows. It also supports ports of PHP extensions or fortung a well as providing concil	Binaries and sources Releases Select an option to direct access v	
builds for the various Windows architectures. If you like to build your own PHP	PHP 7.3 (7.3.3) 2 Deveload ware: cod: (25.60MB)	
binaries, instructions can be found on the <u>Wiki</u> .	VCI5 x64 Non Thread Safe (2019-Mar-07 01:55:06) 2(2) (24.246)	
PECL For Windows PECL extensions for Windows is being worked on. Windows DLL can	sha256: 561bf279dc0b373d9591ddcc55d29bb3d4c48482837cf26e60332618e563066 • [bebug:Pack [22.83M8]]	
be downloaded right from the PECL website.	sha256: 05552b6b339e229c13c6ce63c08a6ecd76d910cf110c8b9944b5f06c231a0f0e 3 4	
The PECL extension <u>release</u> and <u>snapshot</u> build directories are browsable directly.	VCIS 064 [hread Safe] 2019-Mar-07 01:55:24) • 2011 [505] sh256: 94ca88c515sed6836e24afb6443bae21d890912ff19522314524a06cd1080	
	Debug Pack [22.91MB]	

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.



BlueSpice

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	1
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
	<u>N</u> ew <u>E</u> dit <u>D</u> elete
stem variables	
rstem variables Variable	Value
stem variables Variable ComSpec	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\cmd.exe C:\Windows\System32\Drivers\DriverData 1
rstem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT
rstem 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\Wbem;
rstem variables Variable ComSpec DriverData NUMBER_OF_PROCESSORS OS Path PATHEX1	Value C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData 1 Windows_NT <u>C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbern;</u> .COM;.EXE;.BAT;.CMD;.VBS;.VBE;JS;JSE;.WSF;.WSF;.MSC
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 <u>C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;</u> .COM;.EXE;:BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;:WSH;.MSC AMD64
Istem 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

Click "New":

Edit environment variable	×
%SystemRoot%\system32	New
%SystemRoot%	5 (1)
%SystemRoot%\System32\Wbem	Edit
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%SYSTEMROOT%\System32\OpenSSH\	Browse
	<u>D</u> elete
	Move <u>U</u> p
	Move D <u>o</u> wn
	Edit <u>t</u> ext
ОК	Cancel

Add the path to your unpacked PHP version, which contains the php.exe file:



Edit environment variable	×
%SystemRoot%\system32	New
%SystemRoot%	
%SystemRoot%\System32\Wbem	Edit
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%SYSTEMROOT%\System32\ OpenSSH\	<u>B</u> rowse
C:\bitespice\bit\php-7.5.5	<u>D</u> elete
	Move <u>U</u> p
	Move D <u>o</u> wn
	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).





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):



WIN-DISOSBRE	SZL >	
File View Help		
Connections	0-	Actions
Connection (0, 1) (0, 1) San Pare San Pare (1) San Par	WIN-OJQQSBRBSOL Home Image: The State of the S	Actions Magage Server Statut Statu Statu Statut S
< >	Festures View Content View	

Click "Register new PHP version":



In the following window select the browse "(...)" button:

Register new PHP version		?	×
Provide a path to the php executable fi	le (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						\times
← → × ↑ 🔒 > Thi	s PC → Local Disk (C:) → blu	espice > bin > php-7.3.3		🗸 🖑 Search ph	p-7.3.3	Q
Organize 👻 New folde	r				E 🕶 🔲	?
🗄 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			
Desites	lib	3/6/2019 2:41 PM	File folder			
	sasi2	3/6/2019 2:41 PM	File folder			
Documents	php-cgi 2	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)	\sim
				<u>O</u> pe	n Cance	

Confirm again with "OK":

Register new PHP version	?	\times
Provide a path to the php executable file (php-cgi.exe):		
C:\bluespice\bin\pnp-7.5.3\pnp-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):





🙆 🔘 🛛 😫 🖌 WIN-9D4LKFKI	DHS1 +	🖼 🔟 🚺 🛛
File View Help		
Generative a - La - Se - Second Second - Secon	Preventing P	Image: Second secon



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			
	RBSOL +			🗰 🖂 🔂 (
File View Help				
Connections 🔒 🖄 🔗 - 🎱 Start Page	PH Use this feat	IP Manager ure to check the PHP runtime se	ttings, to configure PHP runtime directives and to enable or disable PHP extensions.	
	2	PHP Setup		
		Not optimal PHP configu 0	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 Ch	ange PHP version Check phpinfo()	
	0	PHP Settings		
		Configuration file:	C:\bluespice\bin\php-7.2.11\php.ini	
		Error log:	Chbluespicehvarhloghphp-7.2.11 errors.log	
		Configure error reporting Set	rantime limits. Manage all settings	
	*	PHP Extensions		
		There are 8 extensions enable	d.	
		There are 40 extensions instal	led.	
		Enable or disable an extension	Add an extension	
	Features V	iew 🚉 Content View		
nfiguration: 'localhost' applicatio	nHost.config			

Adjust the following settings:

Name	Value	Section	
data timozona	"Europe/Berlin"	Dato	
uate.time20ne	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 Sil NIN-OJBQSBRB	SOL >					🔛 🖂 (
⊻iew <u>H</u> elp						
nections	Am					Actions
. 🖄 😣	PHP Settings					Add
Start Page	Configure all also colling a de-	t and stand in the initial Theorema		and of DUD	and and address	Open pho ini
WIN-OJ8QSBRBS0L (WIN-OJ8	compare on php seconds on		ig control an asp	ees of the function, such and reporting, secondy, se	and the output	Deck to main page
	Filter	Show <u>A</u> II Group by:	Section	•		0 100
	Name	Value	Section		^	. rop
	PHP				· · ·	
	allow_url_fopen	On	PHP			
	allow_url_include	Off	PHP			
	auto_append_file		PHP			
	auto_globals_jit	On	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	PHP		Ŷ	

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



Make sure that the following extensions are enabled:



view Heip			
ections	DUD Exton	sions	Actions
글 🖄 😽	THE LACEN	310113	Add
Start Page	PHP extensions provide a	ditional functionality to PHP runtime, such as database connectivity, caching, debugging and others. Use this feature to enable or disable	Enable
WIN-9D4LKFKDHS1 (WIN-9D4	PHP extensions and to co	nfigure PHP extensions settings.	Open php.ini
- 2 Application Pools > - 2 Sites	Filten	• The Go - Con Show All Group by: State •	🛑 Back to main page
	News	Casta A	Help
	Cashied	State	
	Enabled		
	php_cun.dll	Enabled	
	php_memo.on	Enabled	
	php_gdz.dll	Enabled	
	php_genet.com	Lineorea En oblad	
	php_mo.un	Enabled	
	nho murali dil	Enabled	
	php_mysquad	Foshied	
	php_opendil	Foabled	
	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):

-			Actions
onnections	PHP Exten	ions	Actions
• 🗟 🖾 😺	10		Add
Start Page	PHP extensions provide a	ditional functionality to PHP runtime, such as database connectivity, caching, debugging and others. Use this featur	e to enable or disable
Application Pools	PHP extensions and to co	hgure PHP extensions settings.	Open php.ini
- I Application Pools	Filten	F Go - C Show All Group by: State	P Back to main page
	Name	State	A 😢 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 1	
	php_dba.dll	Disabled	
	php_enchant.dll	Disabled	
	php_exif.dll	Disabled	
	php_ftp.dll	Disabled	
	php_gmp.dll	Disabled	
	php_imap.dll	Disabled U	
	php_interbase.dll	Disabled	
	php_idap.dll	Disabled	
	php_oci8_12c.dll	Disabled	
	php_odbc.dll	Disabled	
	php_opcache.dll	Disabled	
	php pdo firebird.dll	Disabled	v

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



Internet Information Services (IIS)	Manager				- 0	×
← → I NIN-0J8QSBRI	ISOL + Sites +				🖬 📧 🕼 ()	•
File View Help						
(File Vise - House - Hous	39. ↓ Stes ↓	- ♥ Go + € Show D Status 1 Status (ht	All Greep by No Greeping • Einding •10 (http)	Path VúystenDhietNintpublywwwrsot	kar we Šg i k Anton Se Website. Se Website. Se Website. P Hop	Ð -
c >	🛐 Features View 💦 C	Content View				4 3.:

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

Content Information Services (IIS) Ma	anager					-	o x
← → 👔 ► WIN-0J8Q58RB50	L + Sites +					20 2	6 🟠 100 -
File View Help							
Connections	Sites	• 🐨 Go	Show A	All Group by: No Grouping		Actions Add Website Set Website Defau	ilts
 The concentration of the concentration	Intellion Name Detrait Web Stee Stations Information Stations Content View Content View Content View Content View	D 1	Status Status Started (ht	Binding *30 (http:	Pah KöptenDireNietpabluwwrod	Hep	
ready							1

Confirm the following dialog with "Yes":



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



Internet Information Services (IIS) I	Manager				>
← →	iOL ► Sites ►				🗰 🖂 🕼 🕷
File View Help					
Connections	Sites Filter Name II	• ♥ Go - ₩ Show A D Status	II Group by: No Grouping • Binding	Path	Actions Add Website Set Website Defaults Help
K Switch to Content	View				
>	💽 Features View 💦 Cor	ntent 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		
Rinding		
Type: IP address: Port:		
http V All Unassigned V 80		
<u>H</u> ost name:		
Example: www.contoso.com or marketing.contoso.com		
Start Wahrita immediataly		
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:

Internet Information Services (IIS) N	Aanager						- 🗆 X
← → iii + WIN-0J8QSBRBS	OL > Sites >						🖬 🖂 🚱 •
File View Help							
Connections	Sites	• 7 Gr	- Postan A	all Group by No Grouping .		A.	ctions Add Website Set Website Defaults
VIN-OJ8QSBRBSOL (WIN-OJ8 Application Pools	Name	ID	Statur	Binding .	Dath	6	Help
v i Sites	BlueSpice	1	Started (ht	*:80 (http)	C:\bluespice\var\www	1	
	Testures View 🗞	Content View					
Ready							N <u>a</u>

Next step

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

PHP Manager on Windows

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

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3	Next step	65





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						
ome > Downloads > Cor	mmunity Contributed	Downloads > PHP Manage	er 1.5.0 for IIS 10						
ome > Downloads > Cor	mmunity Contributed I	Downloads > PHP Manage	er 1.5.0 for IIS 10						
ome > Downloads > Cor	150 for US	Downloads > PHP Manage	er 1.5.0 for IIS 10						
ome > Downloads > Cor 'HP Manager	1.5.0 for IIS	Downloads > PHP Manage	er 1.5.0 for IIS 10	Download t	his extension	2			
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			
me + Downloads + Cor HP Manager , This is a Community Cont ategory iccense upported by Vorks With	mmunity Contributed I 1.5.0 for IIS ributed Download Host App Free Knowled IIS 7, IIS :	Downloads > PHP Manage 10 lications, Manage ge base, Forums '.5, IIS 8, IIS 85, IIS 10	er 1.5.0 for IIS 10	Download t	his extension de the Web Fordonn Installer	0			
Ame + Downloads + Cor HP Manager This is a community Cent integory icense upported by Vorks With Documentation	I.5.0 for IIS rituted Dewnload Free Knowled IIS 7, IIS : PHP Mar	Downloads > PHP Manage 10 dications, Manage ge base, Forums '5, IIS &, IIS &, IIS 10 ager 1.5.0 for IIS 10 Docc	umentation	Download t	his extension	2			
ome + Downloads + Cor HP Manager This is a Community Cont Category Category Category Vorks With Documentation Jpdated on	Host App Host App Free Knowled IIS 7, IIS PHP Mar May 31, 2	Downloads > PHP Manage 10 Vilcations, Manage ge base, Forums '5, IIS 8, IIS 8, S, IIS 10 ager 1,5,0 for IIS 10 Doct 2018	umentation	Download t	his extension	2			

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 —	×
License Agreement	
Please take a moment to read the license agreement now. If you accept the terms below, o Agree'', then "Next". Otherwise click "Cancel".	slick ''l
The MIT License (MIT)	^
Copyright (c) 2016 Ronald Carter	
Permission is hereby granted, free of charge, to any person obtaining a copy	¥
(the "Software"), to deal in the Software without restriction, including with	out
OI Do Not Agree	
Cancel < Bac 2	ext >

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	Framewo	ork.	
Cancel < Back		Cl	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".



Installing Parsoid on Windows

A quality version of this page, approved on 4 November 2021, was based off this revision.

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5	Next step	72



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Parsoid is the rendering service for the Visual Editor. The steps listed here are optional and only required if you want to use Visual Editor in your BlueSpice installation. After your BlueSpice Installation, you still have to activate VisualEditor.



For the installation and operation of Parsoid, Git and Node.js are required. If you have not installed them yet, follow the links that are provided here.

Installing Parsoid

Important! Please make sure to use the correct version of Parsoid during installation. The currently supported version is Parsoid 0.10.0.

1. First, open the Windows Command Prompt as administrator. To do this, right-click "Start" (1) and select "Command Prompt (Administrator)" (2):



2. Change into the directory C:\bluespice\bin\npm\node_modules and execute the command:



npm install --global parsoid

3. Change into the parsoid directory C:\bluespice\bin\npm\node_modules\parsoid:

cd parsoid

4. Execute the command:

npm install

Keep the command prompt open and complete the next steps.

Creating the configuration file

In the BlueSpice codebase you will find two files in the folder extensions /BlueSpiceVisualEditorConnector/docs/parsoid :

- config.yaml
- localsettings.js

Copy them into the folder C:\bluespice\bin\npm\node_modules\parsoid\.

🛃 📙 🖛 parsoid				-	
File Home Share	e View				\sim
> - 1 📙 « La	ocal Disk (C:) > bluespice > bin > npm	> node_modules > parsoid	1 ♂ Č Sea	rch parsoid	م
1.0.11	Name	Date modified	Туре	Size	
Cuick access	.eslintignore	10/26/1985 1:15 AM	ESLINTIGNORE File	1 KB	
Desktop 🖈	.eslintrc	10/26/1985 1:15 AM	ESLINTRC File	2 KB	
👆 Downloads 🖈	gitreview	10/26/1985 1:15 AM	GITREVIEW File	1 KB	
🗎 Documents 🖈	.nsprc	10/26/1985 1:15 AM	NSPRC File	1 KB	
📰 Pictures 🛛 🖈	.travis.yml	10/26/1985 1:15 AM	YML File	1 KB	
This DC	AUTHORS.txt	10/26/1985 1:15 AM	Text Document	1 KB	
	CODE_OF_CONDUCT.md	10/26/1985 1:15 AM	MD File	1 KB	
J SD Objects	config.example.yaml	10/26/1985 1:15 AM	YAML File	5 KB	
Desktop	config.yaml 2	3/11/2019 5:06 PM	YAML File	1 KB	
Documents	COPYING.txt	10/26/1985 1:15 AM	Text Document	18 KB	
🕹 Downloads	🌋 core-upgrade.js	10/26/1985 1:15 AM	JavaScript File	1 KB	
👌 Music	HISTORY.md	10/26/1985 1:15 AM	MD File	13 KB	
Pictures	jsdoc.json	10/26/1985 1:15 AM	JSON File	3 KB	
Videos	S localsettings.example.js	10/26/1985 1:15 AM	JavaScript File	1 KB	
Local Dick (C)	Iocalsettings.js	3/11/2019 5:06 PM	JavaScript File	1 KB	
Locar Disk (C:)	npm-shrinkwrap.json	10/26/1985 1:15 AM	JSON File	100 KB	
5 items					BEE

This provides an already finished configuration of Parsoid, which should work in the standard setup without further iadjustments.

Parsoid installation and configuration check

To test the installation and configuration, go back to the command prompt.



Change into the directory C:\bluespice\bin\npm\node_modules\parsoid (1) and start the service with the command "node bin\server.js" (2):

Command Prompt - node bin\server.js) X
Microsoft Windows [Version 10.0.14393]		^
(c) 2016 Microsoft Corporation. All rights reserved.		
C:\Windows\system32>cd \bluespice\bin\npm\node_modules\parsoid		
C:\bluespice\bin\npm\node_modules\parsoid	- 11 - 11	
{ name : parsold , nostname : wIN-UJ8Q58K650C , pld :4044, lev Z 30, levelPath : info/service-runner , ms 4) initializing 2 workers: "time":"2018-11-15119:00:57.8367"."\":0	g : mast	er(404
{"name":"lib/index.js","hostname":"WIN-0J8QSBRBS0L","pid":4516,"level":30,"levelPath":"info","msg":"loadin "2019.11_1510:01:01:04.0097" "v":0]	g","	time":
<pre>("name":"lib/index.js", "hostname":"WIN-0J8QSBRBS0L","pid":4516,"level":30,"levelPath":"info","msg":"ready """"""""""""""""""""""""""""""""""""</pre>	on :8000	","tim
<pre>{ "name:"lib/index.js", hostname": "WIN-0J8QSBRBS0L", "pid":520, "level":30, "levelPath": "info", "msg": "loading</pre>		ime":"
2018-11-15(19:01:03.6/32","v":0} {"name":"lib/index.js","hostname":"WIN-OJ8Q5BRB50L","pid":520,"level":30,"levelPath":"info","msg":"ready o	n :8000"	,"time
":"2018-11-15T19:01:03.767Z","v":0}		
{"name":"parsoid","hostname":"WIN-OJ8QSBRBS0L","pid":4044,"level":40,"levelPath":"warn/service-runner","ms nished","time":"2018-11-15T19:01:03.806Z","v":0}	g":"Star	tup fi

The service should now start without an error message. For further review, call the URL " http://localhost: 8000" in Internet Explorer. You should see the following page:



Change back to the command prompt and quit Parsoid by pressing "Ctrl+C". Keep the command prompt open and go to the next step.

Installation as a service

To run Parsoid in the background in the future, you need to install Parsoid in a Windows service. To do this, proceed as follows:

In the command prompt, change to the directory "C:\bluespice\bin\npm" (1) and execute the command "npm install node-windows" (2):



🖬 Administrator: Command Prompt — 🗆 🗙	<
4) initializing 2 workers", "time": "2018-11-15T19:00:57.836Z", "v":0} ("name": "lib/index.js", "hostname": "WIN-038QSBR850L", "pid":4516, "level":30, "levelPath": "info", "msg": "loading", "time": "2018.11.15T10.31.241 App2" " "v"-A	í
<pre>["name":"lib/index.js", "hostname": "WIN-0J8Q5BRBS0L", "pid":4516, "level":30, "levelPath": "info", "msg": "ready on :8000", "tim "2018.1/35110.01.1/35110.01.1/35110.01.1/35110.01.1/35110.01.1/35110.01.1/35110.01.1/35110.01.1/35110.01.1/35</pre>	
<pre>("name":"lib/index.js", 'hostname":"WIN-0J8Q5BRB50L","pid":520,"level":30,"levelPath":"info","msg":"loading","time":" 0418.11.15110.41.93.6737" "u"-0)</pre>	
<pre>["name":"lib/index.js", "hostname": "WIN-OJ8Q58R850L", "pid":520, "level":30, "levelPath": "info", "msg": "ready on :8000", "time "."2018.11.15T19:01:03.7677". "V":0}</pre>	
<pre>("name":"parsoid", "hostname": "WIN-038058RBS0L", "pid":4044, "level":40, "levelPath": "warn/service-runner", "msg": "Startup fi nished", "time": "2018-11-1519:91-03.8067", "V":03</pre>	
<pre>(fname":"parsoid","hostname":"ult-O30658R561:","pid::4044,"level":30,"levelPath":"info/service-runner/master","msg":"mas ter shutting down, killing workers","time":"2018 11-15130:07:38.8082","y":40 (rname":"parsoid","hostname": "WIH-008058R561","pid":4044,1evel":30,"levelPath":"info/service-runner/master","msg":"Exi (rname":"parsoid","hostname": "WIH-008058R561","pid":4044,1evel":30,"levelPath":"info/service-runner/master","msg":"Exi (rname":"parsoid","hostname": "WIH-018058R561","pid":4044,1evel":30,"levelPath":"info/service-runner/master","msg":"Exi (rname":"parsoid","hostname": "WIH-018058R561","pid":4044,1evel":30,"levelPath":"info/service-runner/master","msg":"Exi (rname":"parsoid","hostname": "WIH-018058R561","pid":4044,1evel":30,"levelPath":"info/service-runner/master","msg":"Exi (rname":"parsoid","hostname": "WIH-018058R561","pid":4044,1evel":30,"levelPath":"info/service-runner/master","msg</pre>	
C:\bluespice\bin\npm\node_modules\parsoid cd C:\bluespice\bin\npm	
C:\bluespice\bin\npm\npm install node-windows npm MARR, saveFror ENGENT-mo-sock-file-on-dimetory, open 'C:\bluespice\bin\npm\package.json' npm MARR, encent ENGENT: no such file or direct 2, open 'C:\bluespice\bin\npm\package.json'	
npm MARR, npm No description npm MARR, npm No repository field. npm MARR, npm No READWE data	
r node-windwsgeling 4 node-windwsgeling 4 ddal 3 nackangs from 8 contributors in 0 488s	
C:\bluespice\bin\npm>	~

Using a text editor, create the file "C:\bluespice\bin\npm\node_modules\parsoid\ parsoid.service" with the help of this linked content:

parsoid.service - Notepad	_		×	
File Edit Format View Help				
<pre>var Service = require('node-windows').Service;</pre>			,	~
<pre>// Create a new service object var svc = new Service({ name:'Parsoid Web Service', description: 'Parsoid Web Service for MediaWiki', script: 'C:\\bluespice\\bin\\npm\\node_modules\\parsoid\\bin });</pre>	n/\se	rver.	js'	
<pre>// Listen for the "install" event, which indicates the // process is available as a service. svc.on('install',function(){ svc.start(); });</pre>				
<pre>svc.install();</pre>				4
<			>	

In the command prompt, change into the directory "C:\bluespice\bin\npm\node_modules\ parsoid" (1) and execute the command "node parsoid.service" (2):

🚾 Administrator: Command Prompt	- 0	\times
<pre>"-"2018-11-5119:01:01.2342","v":0] ("name":11b/index,iz',"hostname": "WIN-D38Q58R850L","pid":520,"level":30,"levelPath":"info","msg":"loc ("name":"llb/index,iz',"v":0] ("name":"llb/index,iz',"v":0] ("name":"parsoid","hostname": "WIN-D38Q58R850L","pid":520,"level":30,"levelPath":"info","msg":"rec ":2018-11-15119:01:03.7672",'v':0] ("name":"parsoid","hostname": WIN-O30Q58R850L","pid":4044,"level":40,"levelPath":"warn/service-runner "infed","time":"2018-11-15119:01:03.8062","v':0] ("name":"parsoid","hostname": WIN-O30Q58R850L","pid":4044,"level":30,"levelPath":"warn/service-runner "ter shutting down, killing workers", "time":"2018-11-15119:01:38.8062","v':0] ("name":"parsoid","hostname":"WIN-O30Q58R850L","pid":4044,"level":30,"levelPath":"info/service-runner "ter shutting down, killing workers", "time":"2018-11-15119:07:38.8062","v:0]</pre>	nding","tim ndy on :8000"," ","msg":"Startu (master","msg": "master","msg":	e":" time p fi "mas "Exi
C:\bluespice\bin\npm\node_modules\parsoid>cd C:\bluespice\bin\npm		
C:\bluespice\bin\npm>npm install node-windows npm MARW seveFroor ENDENT: no such file or directory, open 'C:\bluespice\bin\npm\package.json' npm MARW enonet ENDENT: no such file or directory, open 'C:\bluespice\bin\npm\package.json' npm MARW, npm No description npm MARW, npm No repository field. npm MARW, npm No license Field.		
+ node-windows@0.1.14 added 3 packages from 8 contributors in 9.488s		
C:\bluespice\bin\npm\cd C:\bluespice\bin\npm\node_modules\parsoid		
C:\bluespice\bin\npm\node_modules\parsoid.mode parsoid.service 2		

You can now close the command prompt.



Then enter the key combination Windows+R.

In the following dialog box, enter "services.msc" (1) and confirm with "OK" (2):



Find the service "Parsoid Web Service" and open it with a double-click:

ervices						-	×
Action View	/ Help						
) 🖬 🍳	🛓 🛛 📷 🛛 Þ 🕨 🖬 🕪 👘						
rvices (Local)	Services (Local)						
	Select an item to view its description.	Name	Description	Status	Startup Type	Log On As	
		KtmRm for Distributed Tran	Coordinates		Manual (Trig	Network S	
		A Link-Laver Topology Discov	Creates a N		Manual Manual	Local Service	
		Child Local Service Manager	Core Windo	Running	Automatic	Local Surte	
		Microsoft (R) Diagnostics H	Diagnostics	Running	Manual	Local System	
		Microsoft Account Signain	Enables use		Manual (Trig	Local System	
		Microsoft App-V Client	Manager A		Dicabled	Local System	
		Microsoft iSCSI Initiator Ser	Manages In		Manual	Local System	
		Microsoft Passnort	Provides pr		Manual (Trig	Local System	
		Microsoft Passport Container	Manages Io		Manual (Trig	Local Service	
		Microsoft Software Shadow	Manages so		Manual	Local Syste	
		Microsoft Storage Spaces S	Host service		Manual	Network S	
		Mozilla Maintenance Service	Der Mozilla		Manual	Local Syste	
		Net.Tcp Port Sharing Service	Provides abi		Disabled	Local Service	
		A Netlogon	Maintains a		Manual	Local Syste	
		Network Connection Broker	Brokers con	Running	Manual (Trig	Local Syste	
		Network Connections	Manages o		Manual	Local Syste	
		Network Connectivity Assis	Provides Dir		Manual (Trig	Local Syste	
		Artwork List Service	Identifies th	Running	Manual	Local Service	
		Network Location Awareness	Collects an	Running	Automatic	Network S	
		Network Setup Service	The Networ		Manual (Trig	Local Syste	
		Network Store Interface Ser	This service	Running	Automatic	Local Service	
		Offline Files	The Offline	-	Disabled	Local Syste	
		Optimize drives	Helps the c		Manual	Local Syste	
		Arsoid Web Service	Parsoid We		Automatic	Local Syste	
		Seriormance Counter DLL	Enables rem		Manual	Local Service	
		🐘 Performance Logs & Alerts	Performanc		Manual	Local Service	
		A Phone Service	Manages th		Manual (Trig	Local Service	
		🤹 Plug and Play	Enables a c	Running	Manual	Local Syste	
		Rortable Device Enumerator	Enforces gr		Manual (Trig	Local Syste	
		Q Power	Manages p	Running	Automatic	Local Syste	
		Rrint Spooler	This service	Running	Automatic	Local Syste	
	Extended Standard	Spoler	This service	Running	Automatic	Local Syste	

Select the startup type "Automatic" (1) and start the service (2). After the service is started, close the window with "OK" (3):



Parsoid W	/eb Servio	e Propertie	s (Local Comp	uter)		×
General	Log On	Recovery	Dependencies			
Service	name:	parsoidwebs	service.exe			
Display	name:	Parsoid Wel	b Service			
Descript	tion:	Parsoid We	b Service for Me	ediaWiki	\sim	
Path to "C:\blue	executable espice\bin	e: \npm\node_r	modules\parsoid	l\bin\daemon	\parsoidwebser	
Startup	Startup ty,					
Service	status:	Stopped				
S	itart	2 op	Pa	use	Resume	
You car from her	n specify tł re.	ne start param	neters that apply	when you st	art the service	
Start pa	rameters:					
				-		
		[ОК	3 Icel	Apply	

In Internet Explorer, check the URL "http://localhost:8000", as already explained in the previous step, whether the Parsoid service started successfully.

Next step

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

Installing and configuring PhantomJS on Windows

A quality version of this page, approved on *12 October 2020*, was based off this revision.

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3	Configuring BlueSpice	74
4	Finishing the system preparation	74


PhantomJS is a so-called headless browser that can render screenshots of web pages. This is required for the web page preview in Advanced Search and the Recent Changes Overview in your BlueSpice installation. These are functionalities of BlueSpice pro. For this purpose, the steps listed here are reqired for BlueSpice pro.

DownloadS

In Internet Explorer, open the official website of the project (1). Click "Install" (2).

🕒 🛞 🔝 Https://plantang.corg	- ロ × 合合感 (1)
PhantomJS - Scriptable Headless Browser	
Important: PhantomJS development is suspended until further notice (more details).	
PhantomJS is a headless web browser scriptable with JavaScript. It runs on Windows, macOS, Linux, and FreeBSD.	
Using QtWebKit as the back-end, it offers fast and native support for various web standards: DOM handling, CSS selector, JSON, Canvas, and SVG.	
The following simple script for Phantom/S loads Google homepage, waits a bit, and then captures it to an image.	
<pre>var apg - require("apga - vi).creat(); pag-quer("th/"(v)/mangqlc.uck"), rection() (requer-var("the state() (requer-var("paglc-equ()); requer-var(t); /); /);</pre>	
PhantomJS is an optimal solution for:	
Boge automation Access webspaces and extract information using the standard DOM APL or with usual libraries like jQuery. Screen capture Programmatically capture web contents, including SVG and Canvas. Create web site screenshots with thumbnail preview. Headloss awhite testing Run functional tests with frameworks such as Jamine, QUrit, Mocha, WebDriver, etc. Hetwork monitoring Monitor page leading and export as standard HAR files. Automate performance analysis using VSlow and Jenkins.	
Ready to play with PhantomJS [Install] 1 2 llow the Quick Start guide.	
Want to learn more? Read the FAQ, explore more examples, and study the complete API documentation.	
For the source code, issue tracker, and other development information, visit github.com/aniya/phantomijs.	
e 2010-2018 Phantamitik contributors. Distributed under the BDD locese (SPDIX <u>BDD-1, Clausel</u> .	

Download the appropriate ZIP archive for Windows.

C 🛞 🗎 http://phatanic.org/download.html D = 🛱 d 📄 Quanticad Postnered. 🛛 🛛	×
Download PhantomJS	^
New to PhantomJS? Read and study the Quick Start guide.	
Windows	
Download phantomjs-2.1.1-windowszip (⁷ /4 MB) and extract (unzip) the content.	
The executable [phantonjs.exe] is ready to use.	
Note: For this static build, the binary is self-contained with no external dependency. It will run on a fresh install of Windows Vista or later versions. There is no requirement to install Qt, WebKit, or any other lib	iraries.
Mac OS X	
Download phantomis-2.1.1-macosx.rip (16.4 M8) and extract (unzip) the content.	
Note: For this static build, the binary is self-contained with no external dependency. It will run on a fresh install of OS X 10.7 (Lion) or later versions. There is no requirement to install Qt or any other libraries.	
Linux 64-bit	
Download phantomjs-21.1-linux-x86.64.tar.bz2 (22.3 MB) and extract the content.	
Note: For this static build, the binary is self-contained. There is no requirement to install QL WebKit, or any other libraries. It however still relies on Fontconfig the package [restconfig] or libfontconfig. dependistribution]. The system must have GUBCX0.3.4.9 and GUBC_2.7.	ding on the
Linux 32-bit	
Download phantomic-21.1-linux-i686.tar.bz2 (23.0 M8) and extract the content.	
Note: For this static build, the binary is self-contained. There is no requirement to install QL WebKit, or any other libraries. It however still relies on <u>Fontconfig</u> the package <u>Tentconfig</u> or <u>Tantenconfig</u> , depute distribution]. The system must have GUBCOX.3.4.9 and GUBC_2.7.	ending on
FreeBSD	
Binary packages are available via pkg:	
\$ sudo phg install phentomjs	
Source Code	
To get the source code, check the official git repository: github.com/ariya/phantomjs.	
To compiled Phantom/5 from source (not recommended, unless it is absolutely necessary), follow the build 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.





BlueSpice

In this guide, we use PhantomJS version 2.1.1 as an example. You can download the latest version at the time of installation.

Installing PhantomJS

PhantomJS does not need to go through a setup process. Unpack the downloaded ZIP archive. In the folder phantomjs-3.1.1-windows\bin you will find the executable file phantomjs.exe.

```
Simply move tit to C:\bluespice\bin .
```

{{Template:Hint|text=This guide is based on the folder structure recommended by us [[Setup: Installation Guide/Advanced/Windows Folder Structure|recommended by us]. For this reason, the default path to the folder C:\bluespice\bin is set here. If you have other requirements, you must adapt these paths accordingly.}}

Configuring BlueSpice

BlueSpice must have knowledge of the location of phantomjs.exe. After the BlueSpice installation, proceed as follows:

- 1. Open the folder of your BlueSpice installation
- 2. Switch to the subfolder settings.d
- 3. In this subfolder, create a new file named 090-PhantomJS.php
- 4. Fill this file with the following content:

<?php

Contents

\$bsgArticlePreviewCapturePhantomJSExecutable = "C:\\bluespice\\bin\\phantomjs.exe";

Finishing the system preparation

If you have completed all steps successfully, you can now continue with installing BlueSpice.

Installing Python on Windows

A quality version of this page, approved on 25 October 2021, was based off this revision.

Blue Spice MediaWiki

Setup:Installation Guide/System Preparation /Windows

10010		
2	Installing Python	77
3	Installing Pygmentize	78
4	Next step	79



Python with the extension Pygmentize is needed for the rendering of the MediaWiki extension "SyntaxHighlight", which is part of BlueSpice. The steps listed here are required.

Downloading Python

In Internet Explorer, open the official download page (1). Switch to the download page for Windows (2).

- pgu	non		Donate Search	60 Sociali
Dov Dow Lookir Linux/ Want Docke Lookir	vnload the latest nload Python 3.10.0 ig for Python with a different G UNIX, macOS, Other to help test development versie rimages ig for Python 2.7? See below fo	Star Python for Windows Star Python for Windows Python 7 <u>Windows</u> Python 7 <u>Windows</u> starting the start		
Active Python	Releases			
Active Python For more information	Releases on visit the Python Developer's	: Guide.		
Active Python For more information	Releases on visit the Python Developer's Maintenance status	: Guide. First released	End of support	Release schedule
Active Python For more information Python version 3.10	Releases on visit the Python Developer's Maintenance status bugfix	: Guide. First released 2021-10-04	End of support 2026-10	Release schedule PEP 019
Active Python For more information Python version 3.10 3.9	Releases on visit the Python Developer's Maintenance status bugfix bugfix	: Guide. First released 2022: 10-04 2020: 10-03	End of support 2020-10 2025-10	Retease schedule PEP 019 PEP 536
Active Python For more information Python version 3.10 3.9 3.8	Releases on visit the Python Developer's Maintenance status bugits bugits security	Guide, First released 2022-10-04 2020-10-05 2015-10-14	End of support 2025-10 2025-10 2025-10 2025-10	Release schedule PEP 619 PEP 506 PEP 509
Active Python For more information Python version 3.10 3.9 3.8 3.7	Releases n visit the Python Developer's bugfix bugfix security security	Guide, Fret released 2022-10-04 2020-10-05 2013-10-14 2013-10-14 2013-10-27	End of support 2020-10 2020-10 2020-10 2020-10 2020-00 2020-00 2020-00-27	Rease schedule PEP 619 PEP 596 PEP 597 PEP 597
Active Python For more informatis Python version 3.10 3.9 3.8 3.7 3.6	Releases n visit the Python Developer's bugfix bugfix bugfix security security	Guide: Filt relatesed 2021-10-04 2020-10-04 2020-10-04 2020-0-07 2020-0	End of wageer 2026-10 2025-10 2023-60 2023-60 2023-627 2023-10-223	Вили конон 1929 (15 1929 (15) 1929 (15) 1929 (15) 1929 (15)

Select the "executable installer" (64-bit):

_	
C Python.org/downloads/windows/	
 Download Windows help file 	 Download Windows x86 web-based installer
 Download Windows Installer (32-bit) 	 Python 3.9.0rc2 - Sept. 17, 2020
 Download Windows installer (64-bit) 	Download Windows help file
 Python 3.9.1 - Dec. 7, 2020 	 Download Windows x86-64 embeddable zip file
Note that Python 3.9.1 cannot be used on Windows 7 or earlier.	 Download Windows x86-64 executable installer
 Download Windows ambed able participe (22 bit) 	 Download Windows x86-64 web-based installer
Download Windows embeddable package (32-01)	 Download Windows x86 embeddable zip file
Download Windows halo file	 Download Windows x86 executable installer
Download Windows installer (32-bit)	 Download Windows x86 web-based installer
Download Windows Installer (64-bit)	 Python 3.5.10rc1 - Aug. 22, 2020
 Python 33.0, Oct 5, 2020. 	 No files for this release.
Note that Python 3.9.0 cannot be used on Windows 7 or earlier.	 Python 3.9.0rc1 - Aug. 11, 2020
	 Download Windows help file
 Download Windows help file 	 Download Windows x86-64 embeddable zip file
 Download Windows x86-64 embeddable zip file 	 Download Windows x86-64 executable Installer
Download Windows x86-64 executable installer 2	 Download Windows x86-64 web-based installer
 Download Windows x86-64 web-based installer 	 Download Windows x86 embeddable zip file
 Download Windows x86 embeddable zip file 	 Download Windows x86 executable installer
 Download Windows x86 executable installer 	 Download Windows x86 web-based installer
 Download Windows x86 web-based installer 	 Python 3.9.0b5 - July 20, 2020
 Python 3.8.6 - Sept. 24, 2020 	Download Windows help file
Note that Python 3.8.6 connot be used on Windows XP or earlier.	 Download Windows x86-64 embeddable zip file

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



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, Python is used in version 3.10.0 as an example. You can download the latest version at the time of installation.

Installing Python

Open the just-downloaded python-3.10.0-amd64.exe file.

Start the installation by clicking "Next".

Confirm both checkboxes (1) and then click "Customize installation" (2):



Confirm the next step with "Next":

🄄 Python 3.10.0 (64-bit) Setup	– 🗆 X
	Optional Features
	☑ Documentation
	Installs the Python documentation file.
	🗹 pip
	Installs pip, which can download and install other Python packages.
	☑ tcl/tk and IDLE
	Installs tkinter and the IDLE development environment.
	✓ Python test suite
	Installs the standard library test suite.
	🗹 py launcher 🛛 for all users (requires elevation)
	Upgrades the global 'py' launcher from the previous version.
python	
for	
WINDOWS	Back Next Cancel

Make sure to install Python for all users (1). Choose an appropriate path, if possible without spaces and special characters (2), and start the installation by clicking "Install" (3).

BlueSpice MediaWiki			Se	tup:Ir
嬦 Python 3.10.0 (64-bit) Setup		_		×
	Advanced Options Install for all users Associate files with Python (requires the py launcher) Create shortcuts for installed applications Add Python to environment variables Precompile standard library Download debugging symbols Download debug binaries (requires VS 2017 or later) 			
python windows	Customize install location C:\bluespice\bin\python3.10.0 Back		Brow	se



This documentation is based on the folder structure recommended by us. For this reason, the default path for Python installation is set to the folder C:\bluespice\bin\python-3.10.0. If you have different requirements, you must adapt these paths accordingly.

Finish the installation by clicking "Close":

🄄 Python 3.10.0 (64-bit) Setup	— D >	<
	Setup was successful	
-	New to Python? Start with the <u>online tutorial</u> and <u>documentation</u> . At your terminal, type "py" to launch Python, or search for Python in your Start menu.	
C	See <u>what's new</u> in this release, or find more info about <u>using</u> <u>Python on Windows</u> .	
python		_
windows)

Installing Pygmentize

Open the command prompt with admin permissions. To do this, right-click "Start" (1) and select "Command Prompt (Administrator)" (2):





Enter the command "*pip install pygments*" and wait for the process to finish:



Important! The pygmentize binary needs to be executable by the webserver user (see installation instructions for SyntaxHighlight).

Next step

BlueSpíce

If you have completed all steps successfully, you can delete the previously downloaded file "python-3.10.0-amd64.exe" from your hard drive. If you install BlueSpice pro, go to the next step "PhantomJS". If you install BlueSpice free, you can now continue with Installing BlueSpice.



Setup:Installation Guide/System Preparation/Windows/Visual C++ Redistributable for Visual Studio 2015

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

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The installation of Visual C ++ Redistributable for Visual Studio 2015 is required to run PHP in version 7.x on Windows. The steps listed here are required.

Download at Microsoft

In Internet Explorer open the Microsoft download page (1). Select your language (2) and click "Download" (3).

C	- ロ × 6. ☆ [@] ●
A fast and secure browser that's designed for Windows 10	No thanks Get started
Microsoft Download Center Windows Office Web browsers	Developer tools Xbox More \lor All Microsoft \lor , $ ho$ $>$ Sign in
New Surface Pro 6 Stand out from the ordinary SHOP NOW >	
Visual C++ Redistributable for Visual Studio 2015	
Important! Selecting a language below will dynamically change the complete page content to Select Language for glich	o that language.

On the following page, select the 64-bit version (1) and click "Next" (2):

🗲 🛞 👫 https://www.microso	ft.com/en-us/dowr 🔎 👻 🚆 Download	l Visual C++ Redis	L×		- □ × 分分缀 ⁽¹⁾
Choose the do	wnload you want				Sign in 🛞
File Name			Size	Developed Common	
vc_redist.x64.exe			13.9 MB	KBMBGB	
vc_redist.x86.exe			13.1 MB	1. vc_redistx64.exe	
				Total Size: 13.9 MB	
					2 Next
Important/Selecting a la			ntent to that language.		

Follow the additional download instructions and download the installation package to your hard drive.

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.

Installing Visual C++ Redistributable for Visual Studio 2015

Open the downloaded file "vc_redist.x64.exe".

Start the installation by confirming the license (1) and by clicking on "Install" (2):



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





Next step

If you have completed all steps successfully, you can delete the previously downloaded file "vc_redist.x64.exe" from your hard drive and proceed to the next step "PHP Manager".