

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

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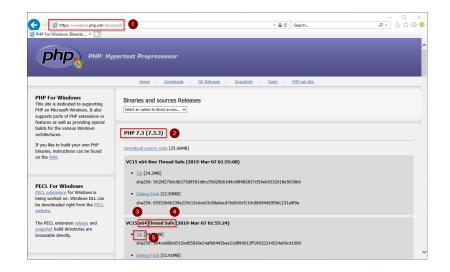
The source code of BlueSpice is based on the scripting language "PHP". It must be installed on your server in order to operate BlueSpice. The steps listed here are required.

Introduction

PHP is not installed with a "classic installation package", but the sources are downloaded and integrated in IIS via the previously installed PHP Manager.

Downloading PHP

In your browser, open the official download page for Windows on php.net (1). Find the latest version 7.3.x (2) 64-bit (3) Thread-Safe (4) and download it here (5):



Follow the download instructions.



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



The following is PHP version 7.3.3 and is only an example of the latest version 7.3.x that you can download at the time of your installation.



Unzipping the ZIP archive

Unzip the ZIP archive just downloaded into a useful system path on your hard drive.



This documentation assumes the recommended folder structure.

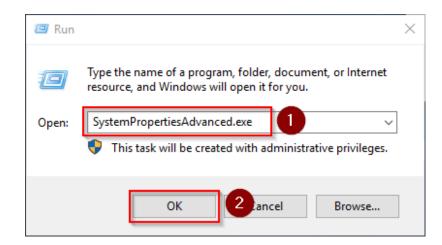
For this reason PHP will be unpacked into the folder C:\bluespice\bin\php-7.3.3. If you have a different folder structure, you must adapt these paths accordingly.

Setting the environment variable

In order to use PHP easily on the command line of Windows, it is necessary to configure an environment variable in Windows accordingly. To do this, perform the following steps:

Enter the key combination Windows + R.

In the following dialog enter "SystemPropertiesAdvanced.exe" (1) and confirm with OK (2):

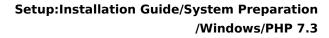


Click "Environment variables":



| System Properties | \times |
|--|----------|
| Computer Name Hardware Advanced Remote | |
| You must be logged on as an Administrator to make most of these changes Performance | |
| Visual effects, processor scheduling, memory usage, and virtual memory | |
| Settings | |
| User Profiles | |
| Desktop settings related to your sign-in | |
| Settings | |
| Startup and Recovery | |
| System startup, system failure, and debugging information | |
| Settings | |
| Environment Variables | |
| OK Cancel Apply | |

In the lower part of the now opened window double-click on the line "Path":





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

Click "New":

| %SystemRoot%\system32 | <u>N</u> ew |
|---|--------------------|
| %SystemRoot% | - |
| %SystemRoot%\System32\Wbem | <u>E</u> dit |
| %SYSTEMROOT%\System32\WindowsPowerShell\v1.0\ | |
| %SYSTEMROOT%\System32\OpenSSH\ | <u>B</u> rowse |
| | <u>D</u> elete |
| | Move Up |
| | Move D <u>o</u> wn |
| | Edit <u>t</u> ext |
| | |
| | |
| | |

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



| Edit environment variable | | × |
|--|----|--------------------------------|
| %SystemRoot%\system32 %SystemRoot% %SystemRoot%\System32\Wbem %SYSTEMROOT%\System32\WindowsPowerShell\v1.0\ %SYSTEMROOT%\System32\OpenSSH\ C:\bluespice\bin\php-7.3.3 | | <u>N</u> ew Edit Browse |
| | | Delete Move Up Move Down |
| | | Edit <u>t</u> ext |
| | | |
| | ОК | Cancel |

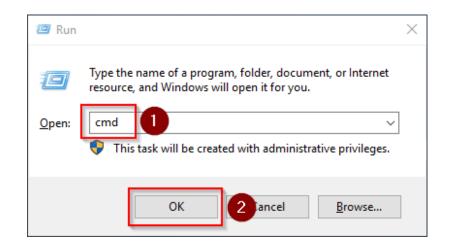
Close all newly opened windows one after the other by clicking on "OK".

Checking the environment variable

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

Enter the key combination Windows + R.

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





At the command prompt, type "php -v" (1) and press the Enter key. The found PHP version will be displayed (2).

| 🖬 Administrator: Command Prompt | - | \times |
|---|---|----------|
| Microsoft Windows [Version 10.0.17763.107] (c) 2018 Microsoft Corporation. All rights reserved. | | ^ |
| C:\Users\Administrator\php -v 1 PHP 7.3.3 (cli) (built: Har = 0 2019 21:53:23) (ZTS MSVC15 (Visual C++ 2017) x64) Copyrigm: (~) 1997-2018 The PHP Group Zend Engi 2/3.3.3, Copyright (c) 1998-2018 Zend Technologies | | |
| C:\Users\Administrator> | | |
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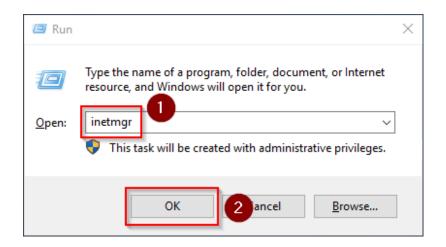
If this is not the case, then the path to the php.exe file in the environment variables was incorrectly specified.

Configuring the IIS for PHP

In the following steps, PHP will be included in IIS and IIS will be configured to provide a working basic setup:

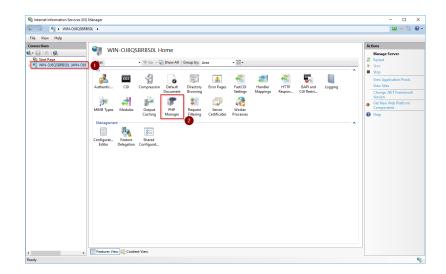
First, call IIS Manager. To do this, enter the key combination Windows+R.

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

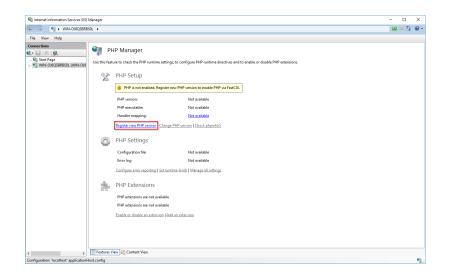


In the left pane, select your server name (1) and then double-click "PHP Manager" (2):





Click "Register new PHP version":



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

| Register new PHP version | | ? | × |
|---|----------------|--------|---|
| Provide a path to the php executable file | (php-cgi.exe): | | |
| Example: C:\PHP\php-cgi.exe | | | _ |
| | | | |
| | ОК | Cancel | |

To manage the PHP settings in the next window:



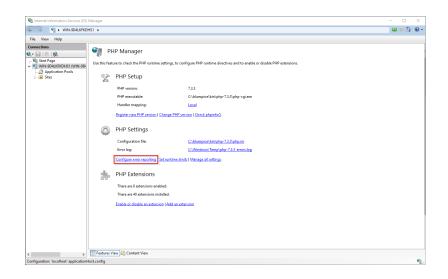
Change to the path to which you previously unzipped PHP (1), mark the "php-cgi.exe" (2) and confirm the dialog with "Open" (3):

| Select PHP executable file X | | | | | | | |
|---|-------------|------------------|-------------|-------------|----------------------|-------|--|
| ← → × ↑ 📑 > This PC > Local Disk (C:) > bluespice > bin > php-7.3.3 | | | | | | | |
| Organize 🔻 New folde | | | | | | 0 | |
| 🖺 Documents 🖈 ^ | Name | Date modified | Туре | Size | | | |
| 📰 Pictures 🛛 🖈 | dev | 3/6/2019 2:41 PM | File folder | | | | |
| This PC | ext | 3/6/2019 2:41 PM | File folder | | | | |
| 3D Objects | extras | 3/6/2019 2:49 PM | File folder | | | | |
| Desktop | lib | 3/6/2019 2:41 PM | File folder | | | | |
| | sasl2 | 3/6/2019 2:41 PM | File folder | | | | |
| Documents | php php-cgi | 3/6/2019 2:41 PM | Application | 72 KB | | | |
| Downloads | | | | | | | |
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| Pictures | | | | | | | |
| Videos | | | | | | | |
| Local Disk (C:) | | | | | | | |
| 🖆 CD Drive (D:) SSS | | | | | | | |
| × | | | | | | | |
| File <u>n</u> a | me: | | | PHP exec | utable (php-cgi.exe) | ~ | |
| | | | | <u>O</u> pe | n Cance | 1 | |

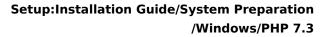
Confirm again with "OK":

| Register new PHP version | ? | \times |
|--|--------|----------|
| | | |
| Provide a path to the php executable file (php-cgi.exe): | | |
| C:\bluespice\bin\php-7.3.3\php-cgi.exe | | |
| Example: C:\PHP\php-cgi.exe | | |
| | | |
| ОК | Cancel | |

Click on "Configure error reporting":



Activate the item "Production machine" (1) and select a path and a file of your choice where PHP should save its log (2). Confirm with "Apply" (3):





| Fix View Help Connection | Actions Ry Apply 3 |
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| Surt Page | By Apply 3 |
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This documentation assumes the recommended folder structure. If the path you specify here does not yet exist, please create it before clicking "Apply".

Click "Manage all settings":

| Internet Information Services (IIS) | | | | - 0 |
|--|----------------|---------------------------------|---|---------|
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| File View Help | | | | |
| onnections | 🌒 РН | IP Manager | | |
| Start Page WIN-OJ8QSBRBSOL (WIN-OJ8 | Use this featu | ure to check the PHP runtime se | tings, to configure PHP runtime directives and to enable or disable PHP extensions. | |
| | X | PHP Setup | | |
| | | Not optimal PHP configu | ration detected on this machine. <u>View recommendations.</u> | |
| | | PHP version: | 7.2.11 | |
| | | PHP executable: | C:\bluespice\bin\php-7.2.11\php-cgi.exe | |
| | | Handler mapping: | Local | |
| | | Register new PHP version Cha | ange PHP version Check phpinfe() | |
| | ٢ | PHP Settings | | |
| | | Configuration file: | C:\bluespice\bin\php-7-2:11\php.inj | |
| | | Error log: | C\bluespice\var\log\php-7.2.11 errors.log | |
| | | Configure error reporting Set | runtime limits Manage all settings | |
| | 1 | PHP Extensions | | |
| | | There are 8 extensions enable | d. | |
| | | There are 40 extensions install | ed. | |
| | | Enable or disable an extension | Add an extension | |
| | | | | |
| | | | | |
| | | | | |
| , | Features Vi | ew 💦 Content View | | |

Adjust the following settings:

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



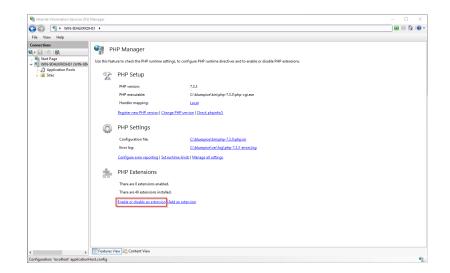
MediaWiki

| Name | Value | Section | |
|---------------------|-------|---------|--|
| post_max_size | 128M | РНР | |
| upload_max_filesize | 128M | РНР | |

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

| Internet Information Services (II | | | | 🗰 🖂 🏠 |
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| le View Help | 10.50C P | | | |
| nections | • | | | Actions |
| - El 121 😣 | PHP Settings | | | Add |
| Start Page | | | ig control all aspects of PHP runtime, such error reporting, security, sessions and others. | |
| WIN-OJ8QSBRBSOL (WIN-OJ | Configure all php settings the | Open php.ini | | |
| | Filter | Back to main page | | |
| | Name | Value | Section | A Help |
| | PHP | | | |
| | allow_url_fopen | On | PHP | |
| | allow url include | Off | PHP | |
| | auto_append_file | | PHP | |
| | auto_globals_jit | 90 | PHP | |
| | auto prepend file | | PHP | |
| | cgi.fix_pathinfo | 1 | PHP | |
| | cgi.force_redirect | 0 | PHP | |
| | default_charset | "UTF-8" | PHP | |
| | default_mimetype | "text/html" | PHP | |
| | default socket timeout | 60 | PHP | |
| | disable_classes | | PHP | |
| | disable_functions | | PHP | |
| | display_errors | Off | PHP | |
| | display_startup_errors | Off | PHP | |
| | doc_root | | PHP | |
| | enable_dl | Off | PHP | |
| | engine | On | PHP | |
| | error_log | "C:\bluespice\var\log\php-7 | PHP | |
| | error_reporting | E_ALL & ~E_DEPRECATED | PHP | |
| | expose_php | On | PHP | |
| | extension_dir | "C:\bluespice\bin\php-7.2.11 | PHP | |
| | fastcgi.impersonate | 1 | PHP | |
| | fastcgi.logging | 0 | PHP | |
| | file_uploads | On | PHP | |
| | html_errors | Off | PHP | • |
| | innore reneated errors | Off | PHD | |
| , | Features View 💦 Content | View | | |

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



Make sure that the following extensions are enabled:



| G S HIN-9D4LKFKDH | | | 🛄 🔤 🔛 I |
|---------------------------|--|--|-------------------|
| Connections | - | | Actions |
| λ. ⊟ ∥ 8 | • PHP Exten | sions | Add |
| Start Page | | dificional functionality to PHP runtime, such as database connectivity, caching, debugging and others. Use this feature to enable or disable | Fnable |
| WIN-9D4LKFKDHS1 (WIN-9D4 | PHP extensions provide a PHP extensions and to co | | |
| Application Pools | | Open php.ini | |
| > 📓 Sites | Filten | • 🐨 Go - 🥁 Show All Group by: State • | Back to main page |
| | Name | State | 😧 Help |
| | Enabled | • | |
| | php_curl.dll | Enabled | |
| | php_fileinfo.dll | Enabled | |
| | php_gd2.dll | Enabled | |
| | php_gettext.dll | Enabled | |
| | php_intl.dll | Enabled | |
| | php_mbstring.dll | Enabled | |
| | php_mysqli.dll | Enabled | |
| | php_openssl.dll | Enabled | |
| | php_soap.dll | Enabled | |
| | php_tidy.dll | Enabled | |
| | php_xmlrpc.dll | Enabled | |
| | Disabled | • | |
| | php_bz2.dll | Disabled | |
| | php_com_dotnet.dll | Disabled | |
| | php_dba.dll | Disabled | |
| | php_enchant.dll | Disabled | |
| | php_exif.dll | Disabled | |
| | php_ftp.dll | Disabled | |
| | php_gmp.dll | Disabled | |
| | php_imap.dll | Disabled | |
| | php_interbase.dll | Disabled | |
| | php_ldap.dll | Disabled | |
| | php_oci8_12c.dll | Disabled | |
| | php_odbc.dll | Disabled Disabled | |
| | php opcache.dll | Disabled | |

To activate an extension, select it in the "Disabled" section (1) and activate it by clicking on "Enable" (2):

| ← → ¶ ► WIN-0.8Q58RB | SOL + | | 🛄 🔤 🔂 I | | |
|--|--|--|-----------------------------------|--|--|
| File View Help | | | | | |
| ionnections • 🔜 🖄 🔗 • Start Page • WIN-OJ8QSBRBSOL (WIN-OJ8 | PHP Extensions Pipe detections provide additional functionality to PP-profiles, such as database connectivity, caching, debugging and others. Use this feature to evable or disable Pipe detections provide additional functionality. | | | | |
| Application Pools Sites | Filter | Go - In Show All Group by: State | Open php.ini Back to main page | | |
| | Name Exabled php_sites/sdl php_sites/sdl php_sites/sdl | Suite Enabled | € Hop | | |
| | php_odbc.dll php_opcache.dll | Disabled Disabled | | | |
| | nho ndo firebird.dll | Disabled | | | |

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

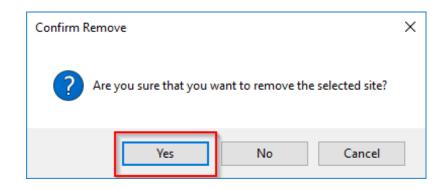


| anternet Information Services (IIS) Manager | - 🗆 × |
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| ← → 🔞 > WIN-ORQSBRBSOL > Sites > | 🗰 🗟 🚱 🔞 |
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Right-click (1) and then click "Remove" (2):

| | ISOL + Sites + | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|--|--|----------|--|--------------------------------------|--|
| Add A Add V Edit B Mana V Refres Renar | Name III P Defut Web Ste T e ermissions pplication irtual Directory ndings p Website > h h re |) Status | t Group by: No Grouping • Einding -10 Omp) | Path SkytemBrineRisetgadiwww.rest | Actions |
| | | | | | |

Confirm the following dialog with "Yes":



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



| Internet Information Services (IIS) 1 | Manager | | | | - 🗆 × |
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| File View Help | | | | | |
| Connections | Filter. Name | • ₹ Go - ₩S | how All Group by: No Gr Binding | puping - Path | Actions and Website Set Website Defaults Help |
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| < > | 📧 Features View 💦 | Content View | | | |

Enter the site name "BlueSpice" (1) and select the path on your server where your BlueSpice installation will be located later (2). Confirm with "OK" (3):

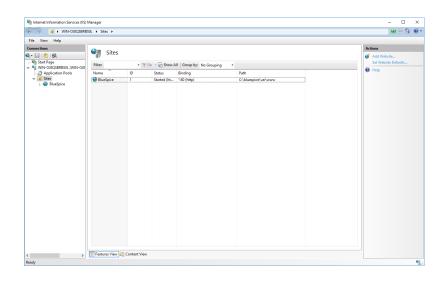
| Add Website | ? | × |
|---|--------|---|
| Site name: Application pool: BlueSpice BlueSpice Select | | |
| Content Directory | | |
| Physical path: C:\bluespice\var\www Pass-through authentication | | |
| Connect as Test Settings | | |
| Binding | | |
| <u>Iype:</u> <u>IP address:</u> <u>Port:</u>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



This documentation assumes the recommended folder structure. If the path you specify here does not yet exist, please create it before clicking "OK".



The new page is now listed in the IIS overview page:



Next step

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