



BlueSpice
MediaWiki

BlueSpice 2.23.3 - Installation with Installer



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This document describes the installation steps for all BlueSpice 2.23.3 releases.

For running the Mediawiki web installer see [Manual:Installation_guide](#) or [Manual:Running_MediaWiki_on_FreeBSD](#)

About this manual

- Please read this manual completely and follow the installation steps in the given order.
- For editing the configuration files in a text editor, it is necessary to save the files in UTF-8 code without BOM (Byte Order Mark).
- The placeholder `<unzipped-archive>` is representative for the path where you unzipped the downloaded extension.
- The placeholder `<mediawiki-url>` is representative for the URL of your MediaWiki, e.g. `http://localhost/mediawiki`

- The placeholder `<installpath-mediawiki>` is representative for the path to your MediaWiki installation, e.g. `C:\inetpub\wwwroot` (*Windows*) or `/var/www/bluespice` (*Linux*).

Installation

After downloading BlueSpice 2.23.3 extract it with a fitting extraction program (e.g. 7-zip, WinZip) and save it at `<unzipped-archive>`.

Set write permissions

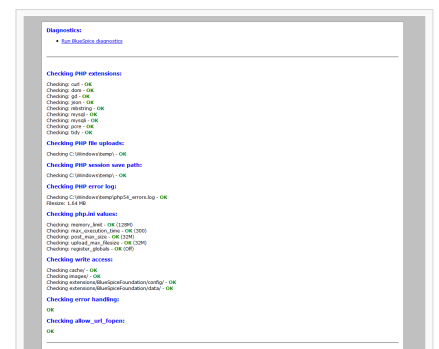
The following directories have to be writable by the web server: (*Under Linux issue e. g. `chmod -R a+w`*)

- `/cache`
- `/images`
- `/extensions/BlueSpiceFoundation/data`
- `/extensions/BlueSpiceFoundation/config`

Requirements check

In order to check further conditions for the installation, start `<mediawiki-url>/installcheck.php` in your browser. Further requirements and information for the installation as well as occurring errors (e.g. missing permissions) will be displayed there.

If everything is alright (indicated by the green OK, see image below), you can go on with the setup of BlueSpice.



Output of installcheck.php

Updating the database

There are two different ways to update the database. After that, BlueSpice can be called up in your browser under `<mediawiki-url>`.

By command line / terminal

Open your command line or terminal in `<installpath-mediawiki>`. Execute the following command:

Windows:

```
php maintenance/update.php
```

Linux:

```
php /maintenance/update.php
```

The output should look like this:

```
(...)  
Creating bs_whoisonline table...ok  
(...)  
Creating bs_saferedit table...ok  
(...)  
...done.
```

MediaWiki web updater

Open `<installpath-mediawiki>/mw-config/` in your browser and follow the instructions. You can find further information in the [MediaWiki Documentation](#).

End of the default installation

If you don't want to use the "PDF export" and the "extended search" of BlueSpice, you're already done here!

Installation of the BlueSpice-Webservices

The BlueSpice extensions "ExtendedSearch" and "Universal Export" (PDF export) are implemented by Java web services. These must be provided on an *Application Server* such as Apache Tomcat. For the following description we assume a running Tomcat installation at `$CATALINA_HOME`.

ExtendedSearch

Create index directory

Open the command line or the terminal and execute the following commands:

Windows:

```
mkdir C:\xampp\bluespice_data\solr  
xcopy \extensions\BlueSpiceExtensions\ExtendedSearch\webservices\solr  
C:\xampp\bluespice_data\solr /s
```

Linux:

```
mkdir -p /opt/bluespice_data  
cp -r /extensions/BlueSpiceExtensions/ExtendedSearch/webservices/solr /opt/bluespice_data/  
chown -R tomcat6 /opt/bluespice_data/solr # (# provided that tomcat6 is the tomcat user)
```

Adding stop word list

The "More like this (Mlt)" feature needs a stop word list in the content language of your wiki to run without any problems.

Open the language configuration folder at
<installpath-mediawiki>\bluespice_data\solr\bluespice\conf\lang. Many lists for different languages can be found here. Copy the stop word list with the language code which fits to your language of the wiki content, e.g. for English content: ->\stopwords_en.txt

Copy the appropriate file into the following directory:
bluespice_data\solr\bluespice\conf

Afterwards rename

```
bluespice_data\solr\bluespice\conf\stopwords_en.txt
```

to

```
bluespice_data\solr\bluespice\conf\stopwords.txt
```

Path to solr config

The path to the Solr configuration (the conf-file contains solr.xml) now has to be set by the variable `solr.solr.home`.

Open the command line and

... add the following lines at the beginning of the file `$CATALINA_HOME\bin\catalina.bat` (Windows):

```
set JAVA_OPTS=%JAVA_OPTS% -Dsolr.solr.home=C:\xampp\bluespice_data\solr
```

... add the following lines at the end of the file `/etc/default/tomcat6` (Linux Debian):

```
JAVA_OPTS="$JAVA_OPTS -Dsolr.solr.home=/opt/bluespice_data/solr"
```

Restart Tomcat now.

Deploy solr.war

Now copy "solr.war" from
<unzipped-archive>\extensions\BlueSpiceExtensions\ExtendedSearch\webservices
to

```
\$CATALINA_HOME\webapps\ (Windows)
```

or

```
/$CATALINA_HOME/webapps/ (Linux)
```

Integration in MediaWiki

If you have not yet done so, copy the file `<installpath-mediawiki>\extensions\BlueSpiceExtensions\BlueSpiceExtensions.default.php` and save it as `<installpath-mediawiki>\extensions\BlueSpiceExtensions\BlueSpiceExtensions.local.php`.

Make sure the file `<installpath-mediawiki>\extensions\BlueSpiceExtensions\BlueSpiceExtensions.local.php` contains the following line and is not commented out ('#' at the beginning of a line)

```
require_once( __DIR__."/ExtendedSearch/ExtendedSearch.setup.php" );
```

Execute [update.php](#) again (as described above)!

Configure the ExtendedSearch

Configure BlueSpice to use the "Extended Search" web service in your browser:

Admintab (gear symbol) -> Preferences -> Extended Search:

- Solr URL (default = `http://127.0.0.1:8080/solr`)

Universal Export

Deploy BShtml2PDF.war

Now copy "BShtml2PDF.war" from `<installpath-mediawiki>/extensions/BlueSpiceExtensions/UEModulePDF/webservices` to the following directory:

Windows:

```
$CATALINA_HOME\webapps\
```

Linux:

```
/$CATALINA_HOME/webapps/
```

Integration in MediaWiki

If you have not yet done so, copy the file `<installpath-mediawiki>\extensions\BlueSpiceExtensions\BlueSpiceExtensions.default.php` to `<installpath-mediawiki>\extensions\BlueSpiceExtensions\BlueSpiceExtensions.local.php`.

Make sure the file `<installpath-mediawiki>\extensions\BlueSpiceExtensions\BlueSpiceExtensions.local.php` contains the following line and is not commented out ('#' at the beginning of a line)

```
require_once( __DIR__."/UniversalExport/UniversalExport.setup.php" );  
require_once( __DIR__."/UEModulePDF/UEModulePDF.setup.php" );
```

Configure the UniversalExport

Configure BlueSpice to use the "Universal Export" web service in your browser:

Admintab (gear symbol) -> Preferences -> Universal Export PDF module:

- Backend URL (default = `http://localhost:8080/BShtml2PDF`)

Finish

If you worked through all of the installation steps, the BlueSpice installation should be completed successfully now and you can start working with your new BlueSpice. Have fun!

Further Configuration

Security settings

After you configured your BlueSpice successfully, please follow these steps to increase the security of the system:

- Delete the file `<installpath-mediawiki>/installcheck.php`
- To make sure that the feature SecureFileStore will work correctly, prohibit the direct http access to the directory

`<installpath-mediawiki>/images`

- If you want to use the feature FlexiSkin, you need to exclude the directory

`<installpath-mediawiki>/images/bluespice/flexiskin`

from the previously mentioned rule.

Increasing performance on Windows

If you are using BlueSpice for MediaWiki with Windows, make sure that you use

```
$wgDBserver = "127.0.0.1";
```

instead of

```
$wgDBserver = "localhost";
```

in your `LocalSettings.php` (due to MySQL issues with IPv6).

Using `img_auth`

If you wish to use `img_auth` instead of `SecureFileStore` please follow these steps:

1. Open the file

`<installpath-mediawiki>/extensions/BlueSpiceExtensions/BlueSpiceExtensions.local.php`

Deactivate SecureFileStore by uncommenting the following line:

```
require_once( __DIR__."/SecureFileStore/SecureFileStore.setup.php" );
```

2. Insert the following line into your `LocalSettings.php` before you include the BlueSpice extensions:

```
$wgUploadPath = $wgScriptPath."/img_auth.php";
```

Case study

[Installation problems](#)

Support

You can find support here:

- [Support, Bug reports](#)
- [User forum](#)
- [Installation service](#)
- [Product support](#)