

Setup:Installation Guide/Upgrade

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This document describes the update of BlueSpice from version 2.23.x-2.27.x to version 2.27.2.

Notes

- 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 `<installpath-bluespice>` is representative for the path to your BlueSpice installation, e.g. `C:\inetpub\wwwroot\bluespice` (Windows) oder `/var/www/bluespice` (Linux).
- The placeholder `<bluespice-url>` is representative for the URL of your BlueSpice installation, e.g. <http://localhost/bluespice>.

Requirements

For the update of BlueSpice to the BlueSpice version 2.27.2, an already installed and fully configured MediaWiki 1.27.x is required. This must be accessible at `<bluespice-url>` in your browser. If your current BlueSpice installation does not use MediaWiki 1.27.x, visit the [Update Manual for MediaWiki 1.23.x to 1.27.x](#) for more information.

Backup

It is absolutely necessary to create a backup copy of your current installation before updating the wiki.

Backup Database

To back up your database, use the on-board "mysqldump" program from MySQL / MariaDB: To do this, please open a console, change the directory `<installpath-bluespice>` and save the database using the following command:

```
mysqldump -u <username> -p --lock-tables <database> > database.sql
```

For `<username>` please use your administrative database user (usually "root"). For `<database>` use the database name of your MediaWiki/BlueSpice installation.



Under Windows, please make sure that the [environment variables](#) are set correctly to access the `mysqldump` command.

Backup File System

Save the complete directory `<installpath-bluespice>`, which now contains the database image, to a different location on your server.

For security reasons, immediately delete the file `<installpath-bluespice>/database.sql`.

Download BlueSpice

Download the current version of BlueSpice from [Sourceforge](#).

The package corresponding to this manual bears the name **BlueSpice-free-2.27.2.zip**.



If you purchased BlueSpice pro, this step is omitted. The corresponding package will be provided directly by the distributor.

Unzip and Copy BlueSpice

Unzip the downloaded BlueSpice archive. Please make sure that all relevant content is placed in **one** subfolder (e.g. bluespice-free). This subfolder contains the following directories and files:

- extensions
- settings.d
- skins
- BLUESPICE-INSTALL
- BLUESPICE-LICENSE
- BLUESPICE-RELEASE-HISTORY
- BLUESPICE-RELEASE-NOTES
- installcheck.php
- LocalSettings.BlueSpice.php
- *nsfr_img_auth.php (BlueSpice pro only)*

Name ^	
	extensions
	settings.d
	skins
	BLUESPICE-INSTALL
	BLUESPICE-LICENSE
	BLUESPICE-RELEASE-HISTORY
	BLUESPICE-RELEASE-NOTES
	installcheck.php
	LocalSettings.BlueSpice.php
	nsfr_img_auth.php

Copy the unzipped subfolders into the `<installpath-bluespice>` and overwrite the existing files.

Delete the directory `<installpath-bluespice>/extensions/BlueSpiceDistribution` as long as it is still available from an old BlueSpice installation.

Setup LocalSettings.php

Open the file `<installpath-bluespice>/LocalSettings.php`. Look for the following lines:

```
# End of automatically generated settings.  
# Add more configuration options below.
```

Delete all following lines. If you have made additional configurations - apart from steps outlined in the old installation manual - under these lines, please keep these additional configurations in each case.

Insert the following lines instead at the end of LocalSettings.php:

```
require_once "$IP/LocalSettings.BlueSpice.php";
```

Close and save the file.



Starting with BlueSpice 2.27.1, all default settings as well as the individual modules of BlueSpice are stored. Thus BlueSpice is only integrated with this one line in MediaWiki. For technical information, visit the [documentation for advanced users](#).

Optional: Setup BlueSpiceExtensions

If you have already created the file `<installpath-bluespice>/extensions/BlueSpiceExtensions/BlueSpiceExtensions.local.php` in your current BlueSpice version, please switch to the directory `<installpath-bluespice>/extensions/BlueSpiceExtensions` and rename this mentioned file into `BlueSpiceExtensions.bak.php`.

In the next step, copy the file `BlueSpiceExtensions.default.php` to `BlueSpiceExtensions.local.php`

Please compare the files `BlueSpiceExtensions.local.php` and `BlueSpiceExtensions.bak.php` and make any uncomments/comments to the individual extensions made by you in the past. This is especially applicable to [Extended Search](#) and [PDF Export](#).

Update BlueSpice

Open your command line or terminal and change to the directory `<installpath-bluespice>`. run the following command there:

```
php maintenance/update.php (Linux)
php maintenance\update.php (Windows))
```



Under Windows, make sure that the [environment variables](#) are set correctly to access the php command.



Under Linux, please note that you have to adjust the **file system permissions after running the update.php.**

When the script is finished with the "Done" message, proceed to the next step.

```
...event_agent field does not exist in echo_event table, skipping modify field patch.
Modifying event_variant field of table echo_event ...done.
Modifying event_extra field of table echo_event ...done.
Modifying event_agent_ip field of table echo_event ...done.
...have etp_id field in echo_target_page table.
...have notification bundle base field in echo_notification table.
...echo_event table does not contain event_timestamp field.
...have eeb_event_hash field in echo_email_batch table.
...have event_page_id field in echo_event table.
...index echo_event_type already set on echo_event table.
...index echo_user_timestamp already set on echo_notification table.
Creating titlekey table...ok.
Rebuilding titlekey table...
... 1 ok.
...hitcounter table does not exist, skipping modify field patch.
Creating hit_counter_extension table ...done.
Creating hit_counter table ...done.
...page table does not contain page_counter field.
Creating bs_editnotifyconnector table ...done.
Creating bs_namespacemanager_backup_page table ...done.
Creating bs_namespacemanager_backup_revision table ...done.
Creating bs_namespacemanager_backup_text table ...done.
Adding page_content_model field to table bs_namespacemanager_backup_page ...done.
Adding rev_shal field to table bs_namespacemanager_backup_revision ...done.
Adding rev_content_model field to table bs_namespacemanager_backup_revision ...done.
Creating bs_permission_templates table ...done.
Creating bs_dashboards_configs table ...done.
Creating bs_usagetracker table ...done.
Creating bs_pagetemplate table ...done.
Creating bs_pageassignments table ...done.
...se_text field does not exist in bs_saferedit table, skipping modify field patch.
Creating bs_readers table ...done.
...have readers ts field in bs_readers table.
...site_stats is populated...done.
Checking existence of old default messages...done.
Populating rev_len column
...doing rev_id from 1 to 200
Populating ar_len column
...archive table seems to be empty.
rev_len and ar_len population complete [0 revision rows, 0 archive rows].
Populating rev_shal column
...doing rev_id from 1 to 200
Populating ar_shal column
...archive table seems to be empty.
Populating ar_shal column legacy rows
rev_shal and ar_shal population complete [0 revision rows, 0 archive rows].
Populating img_shal field

Done 0 files in 0.0 seconds
Fixing protocol-relative entries in the externallinks table...
Done, 0 rows updated.
Populating fa_shal field from fa_storage_key

Done 0 files in 0.0 seconds
Updating *_from_namespace fields in links tables.
...doing page_id from 1 to 200
Purging caches...done.

Done in 1.6 s.
root@bluespice:/var/www/bluespice#
```

If the script should stop running, restart it.

Installation of the webservice to use the LatexRenderer (BlueSpice pro only)

Starting with BlueSpice 2.27.2 the extension "BlueSpiceLatexRenderer" replaces the extension "Math".

Please note: LatexRenderer is a part of BlueSpice pro edition only!

Please note that you have to install the **webservice** to use this extension.

When updating please also delete the folder `<installpath-bluespice>/extensions/Math`.

The usage of the tag
will not be changed, BlueSpice LaTeX Renderer will use this tag as it is documented

Check installation

Open `<bluespice-url>` in your browser. BlueSpice should now be successfully updated to version 2.27.2 and a login with your access data should be possible.