

## Contents

---

1. Category:Setup .....	2
2. BlueSpice 3.1 .....	3
3. Setup:Release Notes .....	7
4. Setup:Release History .....	26
5. Setup:System requirements .....	30
6. Setup:Download .....	31
7. Setup:Installation Guide .....	32

## Setup

---

### Setup



Get started with BlueSpice 3.1 now. Find everything related to system requirements and installation options here.

### BlueSpice 3.1

---



[Learn more about the latest version of BlueSpice](#)

### Release notes

---



[View the release notes of the latest version](#)

### Release history

---



[Interested in development?](#)  
[View our release history!](#)

## System requirements

---



[Check if your system is ready to go](#)

## Download

---



[Get the latest version of BlueSpice](#)

## Installation & upgrade

---



[View our detailed installation guide](#)

## BlueSpice 3.1

---

BlueSpice 3.1 is a Minor Release.

### Contents

<a href="#">1 Point Releases</a> .....	4
--	---


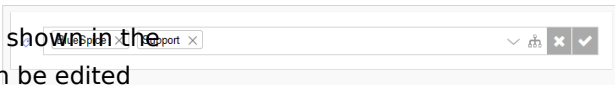
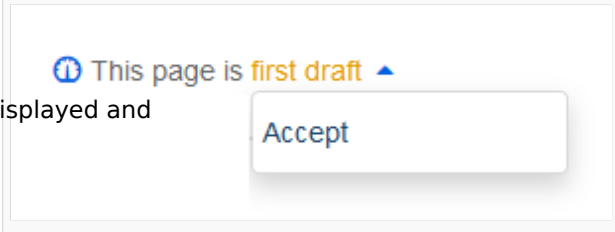
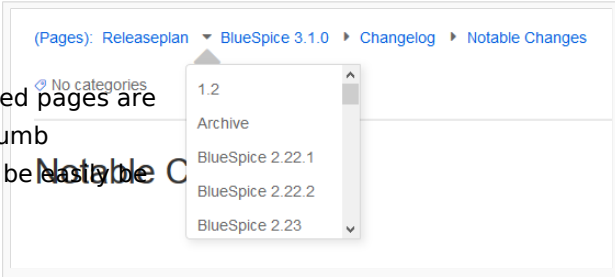
2 Important new functions in 3.1 .....	4
3 Resources and Download .....	7

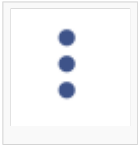
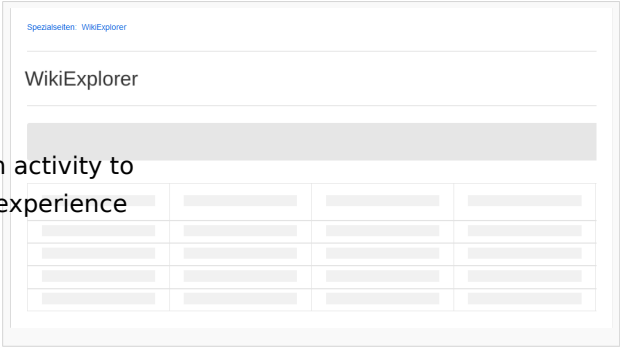

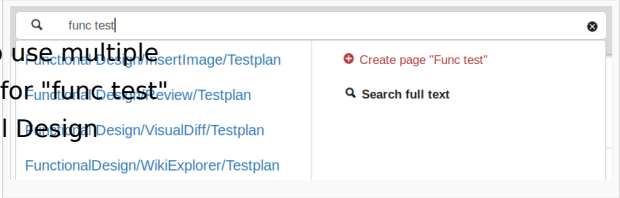
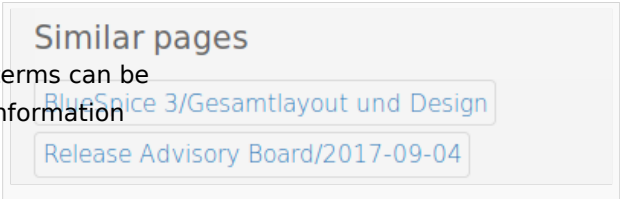
## Point Releases

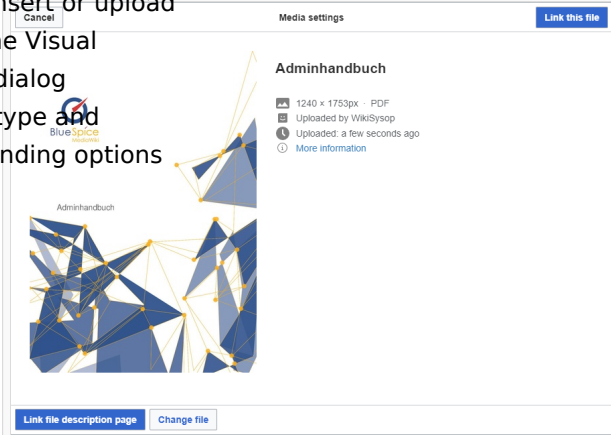
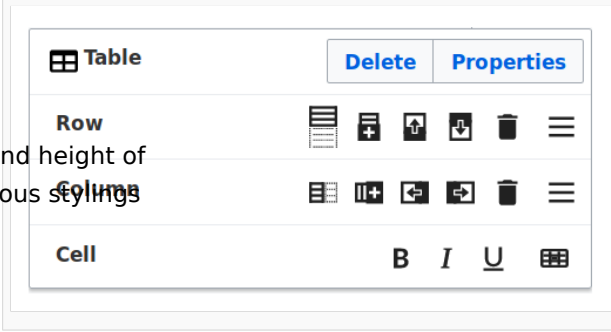
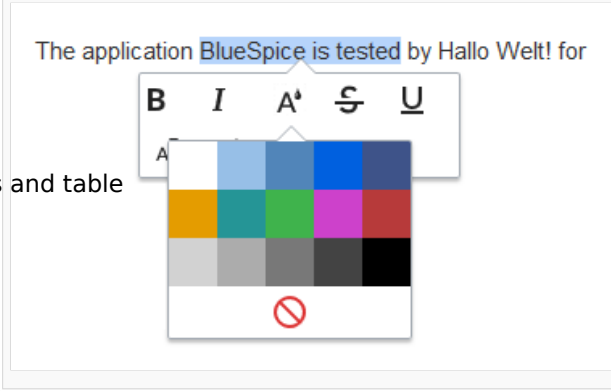
Release	Date
3.1	September 19, 2019

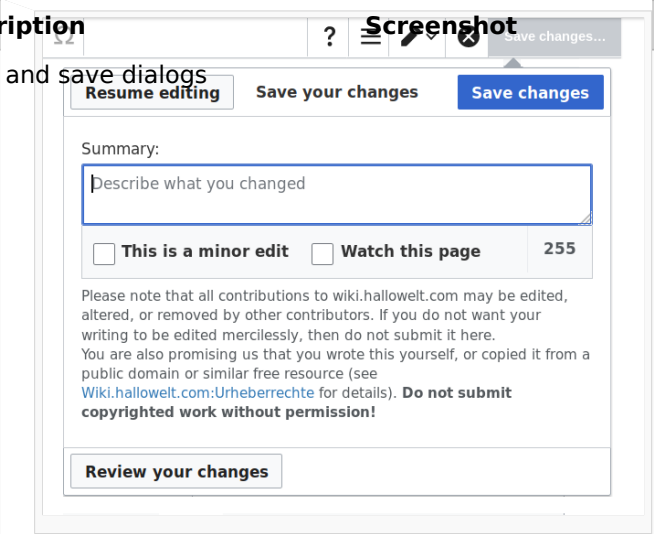
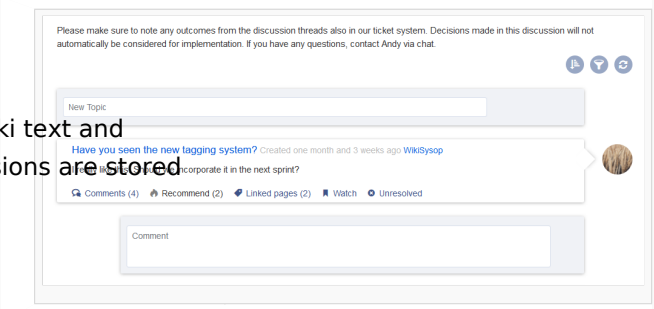

## Important new functions in 3.1

The most important changes in BlueSpice 3.1 at a glance:

Feature	Description	Screenshot
<b>Completely redesigned title section</b>		
Focus on convenience	See and modify relevant page information at a glance	
Category handling	Categories are now shown in the title section and can be edited	
Quality management	State of a page is displayed and can be changed	
Page neighborhood	Subpages and related pages are shown in a breadcrumb navigation and can be easily explored	
<b>UX improvements</b>		

Feature	Description	Screenshot
UX audit	Many improvements in iconography, labeling and navigation	
Page load masks	Indicator for system activity to create a smoother experience	
Fullscreen mode	Switch the wiki to full screen for more space	
<b>Search</b>		
Better scoring	Several tunings to provide a more natural search result order. E.g. base names have preference over subpages	
Flexible autocomplete	It is now possible to use multiple infixes. E.g. search for "func test" results in Functional Design/Testplan	
Similar pages	Pages with similar terms can be found in the page information flyout	
<b>VisualEditor</b>		

Feature	Description	Screenshot
File handling	<p>It is now easier to insert or upload files directly with the Visual Editor. The upload dialog recognizes the file type and shows the corresponding options for upload.</p>	 <p>alternativtext=BlueSpice 3.1 file upload dialog</p>
Table formatting	<p>Change the width and height of cells and apply various styling options</p>	
Text colors	<p>Add colors to words and table backgrounds</p>	

Feature	Description
Convenience	Less clicks in file and save dialogs 
<b>Timeline</b>	
Integrated discussion page	Both classical wiki text and threaded discussions are stored on one page 
One step creation	Attachment and discussion sections can now be created in one click 

## Resources and Download

- [Release notes](#)
- [System Requirements](#)
- [Installation Guide](#)
- [Download](#)
- [Webservices](#)

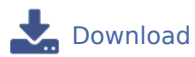
## Setup:Release Notes

---

Copyright 2019 by Hallo Welt! GmbH

<https://bluespice.com>

<https://hallowelt.com>



---

Support:

- **BlueSpice free:** visit [sourceforge.net](https://sourceforge.net)
- **Subscription customers:** to update, please create a ticket with the title *Update to BlueSpice 3.1.7* in the [ticket system](#).



























## 3.1.2

---

BlueSpice 3.1.2 is a patch release. This is a stable release.

## Changelog

---

- **Help links in VisualEditor are confusing** (#13163) Help links in VisualEditor pointed to the general MediaWiki help and feedback channels. They now point to BlueSpice help and support.
- **VisualEditor autosave dialog shows up even when there are no unsaved changes** (#13364)

When editing a page directly in the same tab after new page creation, the autosave prompt appeared although there were no unsaved changes. This is now fixed.
- **Book manager: mass add via categories cuts off after 25 articles** (#14299)

Mass adding articles to a book with categories had a limit of 25 pages. This limit is now lifted.
- **New page creation in IE behaves strange** (#15495)

When creating a new page in IE, the "New page" field was emptied when the user stopped typing. This is fixed.
- **Embed file button in VisualEditor points to detail page instead** (#16711)

The embed file option in the Insert Media dialog lead to a file detail page instead of embedding the file. This is now fixed.
- **VisualEditor: Media: links are transformed to point to a special page** (#16886)

In VisualEditor, links to Media: namespace were changed to point to Special:FilePath. They were not recognized properly afterwards. This transformation is no longer done.
- **Broken link to Reminder management in Reminder flyout** (#16934)

In the reminder flyout, the link to reminder management lead to a blank page. The link has been fixed.
- **Changing text color via VisualEditor inspector fails in wiki text mode** (#17035)

Text color changes via inspector in wiki text mode are not possible. The inspector was disabled accordingly to avoid unexpected behavior.
- **VisualEditor breaks Media links with umlauts** (#17085)

Media links containing umlauts blocked the page from being editable with VisualEditor. Umlauts can now be used properly.
- **Misalignment of lists containing blank lines** (#17126)

Unordered lists containing blank lines were rendered without line breaks. This is now fixed.
- **Database error after login** (#17136)

In rare cases, after a user logged in, a database error was displayed which disappeared after reload. This is now fixed.
- **Remote authentication is not working without autcreateaccount permission** (#17186)

This permission is removed from all roles and automatically granted in remote authentication scenarios

■ **RSS-Feeder produces fatal error in "Follow own" option** (#17200)

The "Follow own" function of RSS Feeder failed with an exception. The functionality is now restored.

■ **Talk pages can be created for non existing subject pages, but lead to fatal errors** (#17209)

If a page did not exist, a talk-page tag could still be added, which lead to several errors and inconsistencies. This is now prevented.

■ **Auto-generated avatar not working when using ``img_auth.php``** (#17221)

In certain authenticated environments, the auto-generated avatars were not loading. This is fixed.

■ **CustomMenu registry not working properly** (#17222)

CustomMenu registry was hard overwritten, which broke the possibility to register additional menus. The registration is now restored.

■ **BlueSpiceSmartlist: toplist tag broken** (#17233)

Toplist is dependent on WholsOnline. If that extension was disabled, the tag produced a fatal error. It now checks the dependency.

■ **Expiry form elements ignore permissions** (#17439)

Expiry form fields and action buttons are displayed to users even when the modifications cannot be saved to the server. Now, the UI reflects permissions properly.

■ **Refine boost of recently modified pages** (#17472)

Boost only pages modified in the past month to improve accuracy. Add configuration variable to tweak boost severity.

■ **Migrate social discussions to standard talk page** (#17473)

Add a script that migrates BlueSpice Social discussions back to regular talk pages to prevent a vendor lock in

■ **Table header in pdf is not replicated on every page** (#17474)

When a table spanned across several pages in PDF, the table header was not replicated on every page. This is now fixed.

■ **Issues with display of old blog articles in Safari** (#17475)

When calling the blog in Safari, only the newest entries were shown and infinite scrolling did not work. This is now fixed.

■ **Flaky PHPUnit failures on PHP 7.1 for BlueSpiceNamespaceManager** (T218525 )

■ **Avatar with `img_auth.php`** (SF495 )

## 3.1.1

---

BlueSpice 3.1.1 is a patch release. This is a stable release.

## Changelog

---

- **FlaggedRevsConnector: align colors for highlighting draft in version history** (#5683)

FlaggedRevs used various colors to highlight draft revisions in the version history. This is now aligned to the BlueSpice color scheme.

- **Fix links to documentation** (#13552)

Some extensions in "Special:Version" pointed to outdated documentation. The links are now fixed.

- **Privacy: Change avatar after anonymisation** (#14216)

Avatar was not recreated after anonymisation and two parameters (\$4 and \$5) were not resolved in the anonymisation log. This is now working.

- **SocialEntities show up in watched pages** (#14681)

In the watched pages list and in SmartList, SocialEntity entries were listed. Now they are excluded, since all items must contain wikitext.

- **Indexing huge PDFs fails** (#15725)

In some cases, long documents were not indexed at all due to length limits. There is now a fallback: in this case, only the filename is indexed.

- **Ping request should start immediately on page-load** (#16467)

Long ping intervals caused delays and a "Someone is editing the page" message. Now the ping starts directly after page load which allows for more granularity of ping intervals and reduced load on the server.

- **Namespace select box in Special:CategoryTree is overlapped by header** (#16534)

On the page "Special:CategoryTree", some namespaces could not be selected. Now, the selection box correctly overlaps the header.

- **Privacy policy links should link to project namespace** (#16594)

Links from Privacy Center to privacy policy pages pointed to a non-standard page. Now, the default link points to the standard privacy policy page of the wiki.

- **VisualEditor table inspector UI is broken in BlueSpice free** (#16612)

The table inspector only showed icons, but no text and the icons were misaligned. The proper UI is now restored.

- **AND OR operators must work in search term** (#16613)

The keywords AND and OR were not evaluated in SearchCenter. This is now possible.

- **Wrong link for "Add attachment"** (#16629)



The link to the attachment page of an article was broken. It now works again.

■ **Table formatting is lost on change between edit modes** (#16639)

Table color formatting was lost when switching between Visual and WikiText mode. Now, the color formatting is preserved.

■ **HideTitle should also hide FlaggedRevs information** (#16738)

When using HideTitle on a page, the page revision status notification was still visible. Now, the entire title section gets disabled.

■ **Use SSL link to bluespice.com in code documentation** (#16789)

Many URLs in the code documentation of the source code pointed to "http:" instead of "https:", but user interface links were already set to "https:". Now, a secure connection is suggested everywhere.

■ **Subitems in header menu are displayed all the time** (#16808)

The second-level items of the header menu were expanded and could not be collapsed under certain circumstances. They are now collapsed and always collapsible.

■ **ExtendedStatistics special pages ignores permission statistic-viewspecialpage** (#16951)

Statistics could be viewed by anyone with read rights. Now, the page requires a special right, which per default is assigned to the admin role.

■ **Add attachments button out of line** (#16993)

In some cases, the "Add attachment" button was vertically misaligned. This is now fixed.

■ **Remove dependency to PHP Tidy extension** (#16997)

The PHP extension 'tidy' is no longer maintained or bundled in some distributions (e.g., SLES). The dependency on that extension was removed and replaced by an onboard MediaWiki solution.

■ **Smartlist fatal error in mode whatlinkshere when no target given** (#17008)

The smartlist tag was throwing an error when the attribute "target" was not set. Now, the attribute can be omitted safely.

■ **Privacy: fix gender in anonymisation log** (#17015)

The log message of an anonymized user was always male gendered. The log message is now gender neutral.

■ **Attachments can not be searched when there are external locations** (#17031)

Search indexing stopped overall when an external location could not be reached. Now, it just ignores that particular location.

■ **Update repo file on WebDAV update** (#17069)

Repo files are now re-indexed when they are updated via WebDAV

■ **Add article button is displayed in mobile view when left sidebar is open** (#17077)

The button had a wrong z-index, placing it above the menu. The z-index was fixed and now the button works correctly.

■ **BlueSpiceAvatars needs 'editToken' replaced with 'csrfToken'** (T233546 )

■ **BlueSpiceExtendedStatistics needs 'editToken' replaced with 'csrfToken'** (T233547 )

■ **BlueSpiceFoundation needs 'editToken' replaced with 'csrfToken'** (T233548 )

■ **Checkup code passing \$this by reference with a temporary variable** (T234118 )

## Release history

**Note:** Support for BlueSpice 2.x ends on April 30, 2020.

Since 2010 there have been 21 releases of BlueSpice. BlueSpice replaced the product HalloWiki at that time. BlueSpice was initially a collection of extensions that could be extended by individual software packages. In 2015, all existing extensions and individual modules were combined in one distribution.<sup>[1]</sup> Delivering BlueSpice together with MediaWiki was the next logical step.

Major Release	Version	Publishing Date	Pages	Change
<b>BlueSpice 3</b>	3.1.7	2020-06-10	<a href="#">Release Notes</a>	Patch release
3.1.6	2020-05-14	<a href="#">Release Notes</a>	Patch release	
3.1.5	2020-04-15	<a href="#">Release Notes</a>	Patch Release	
3.1.4	2020-03-10	<a href="#">Release Notes</a>	Patch release	
3.1.3	2019-02-12	<a href="#">Release Notes</a>	Patch release	
3.1.2	2019-01-13	<a href="#">Release Notes</a>	Patch release	
3.1.1	2019-11-14	<a href="#">Release Notes</a>	Patch release	
			Minor release	

Major Release	Version	Publishing Date	Pages	Change
<b>BlueSpice 3</b>	3.1.7	2020-06-10	<a href="#">Release Notes</a>	Patch release
3.1	2019-09-19	<a href="#">Description</a> , <a href="#">Release Notes</a>	<p>Notable changes:</p> <ul style="list-style-type: none"> <li>Revised title bar and navigation (subpages, discussion pages, categories, revision status), UX enhancements, full screen mode, improved search scoring, enhanced table formatting and font colors, improved document embedding, support for NGINX web server, performance enhancements, improved screen reader support, delivery of Semantic MediaWiki 3.0, release of BlueSpice repositories, public docker image for BlueSpice free</li> </ul>	
3.0.1	2019-01-17	<a href="#">Description</a> , <a href="#">Release Notes</a>	Patch release, Privacy center	
			<p>Major Release.</p> <p>Notable changes:</p> <ul style="list-style-type: none"> <li>Social: an activity, communication and interaction layer,</li> <li>Extended Search: based on ElasticSearch,</li> <li>Responsive skin "Calumma" supports mobile view and touch interaction,</li> <li>Graphical list: new</li> </ul>	

Major Release	Version	Publishing Date	Pages	Change
<b>BlueSpice 3</b>	3.1.7	2020-06-10	<a href="#">Release Notes</a>	Patch release
3.0	2018-10-17	<a href="#">Description</a> , <a href="#">Release Notes</a>	interface element for better usability, MediaWiki VisualEditor: native support for wikitext, Role-based permissions: simplifies rights configuration, reworked authentication stack: LDAP and SAML authentication	
<b>BlueSpice 2</b>				
	2.27.3	2018-04-18	<a href="#">Description</a> , <a href="#">Release Notes</a>	Patch Release
2.27.2	2017-07-20	<a href="#">Description</a> , <a href="#">Release Notes</a>	Updated Visual Editor, Insert templates function, filtering of all special pages, revised permission manager with new mouse-over function, daily or weekly combined notifications, inserting signatures, integration and visualization of dynamic maps.	
2.27.1	2017-04-06	<a href="#">Description</a> , <a href="#">Release Notes</a>	ExtendedFileList, CategoryManager, Logged Reviews, Review with semantic properties	
			PageAssignments, Showtime, Namespace-specific notifications, Disable users,	

Major Release	Version	Publishing Date	Pages	Change
<b>BlueSpice 3</b>	3.1.7	2020-06-10	<a href="#">Release Notes</a>	Patch release
2.27.0	2016-11-09	<a href="#">Description</a> , <a href="#">Release Notes</a>	ReadConfirmation, Adding pages directly to books, Reduced Admin rights, Usage statistics, Many functional improvements of the WikiFarm Package Full compatibility with MW 1.27	
2.23.3	2016-05-31	<a href="#">Description</a> , <a href="#">Release Notes</a>	Minor and maintenance release	
2.23.2	2015-11-30	<a href="#">Description</a> , <a href="#">Release Notes</a>	Improved integration of Semantic MediaWiki and BlueSpice, compatibility with MediaWiki's VisualEditor	
2.23.1	2015-06-25	<a href="#">Description</a> , <a href="#">Release Notes</a>	Minor and maintenance release	
2.23.0	2014-12-09	<a href="#">Description</a> , <a href="#">Release Notes</a>	Integrated package installer for MediaWiki and BlueSpice, support of MobileFrontend, rewritten skin, support of memcached caching, translations in more than 40 languages, reworked localisation, context menus	
			Patch and maintenance	

Major Release	Version	Publishing Date	Pages	Change
<b>BlueSpice 3</b>	3.1.7	2020-06-10	<a href="#">Release Notes</a>	Patch release
2.22.2	2014-05-08	<a href="#">Release Notes</a>	release	
2.22.1	2014-02-13	<a href="#">Release Notes</a>	Bugfixing release	
2.22.0	2013-11-27	<a href="#">Release Notes</a>	Completely reworked skin, reworked PermissionManager and UserManager, new internationalisation framework, FlexiSkin, Dashboards, Notifications extension, StateBar (with "similar pages")	
<b>BlueSpice 1</b>	1.21.0	2013-06-12	<a href="#">Release Notes</a>	Minor update
1.20.1	2013-01-17	<a href="#">Release Notes</a>	Patch update	
1.20.0	2012-12-21	<a href="#">Release Notes</a>	Minor update	
1.1.1	2012-04-05	<a href="#">Release Notes</a>	Bugfix release	
1.1	2012-03-15	<a href="#">Release Notes</a>	Performance improvements, support for PostgreSQL and Oracle databases	
1.0.1	2011-09-07	<a href="#">Release Notes</a>	Patch release	
basic	2010-11-17			

1. [↑ Richard Heigl: A new model for BlueSpice](#), BlueSpice Blog, February 3, 2015

## System Requirements 3.1

---

For a trouble-free installation of the current version BlueSpice 3.1, we recommend the following system requirements. The application BlueSpice is tested by Hallo Welt! for Windows and Linux.

### MediaWiki

---

- Version 1.31.x (LTS -Long Term Support)

### Browser

---

- Internet Explorer 11 or higher (without compatibility view)
- Microsoft Edge
- Google Chrome
- Firefox

### Server Environment

---

- Operating System: Microsoft Windows Server 2012+ or Linux (established distributions)
- Webserver: Apache 2+, nginx 1+<sup>(\*)</sup> or IIS 8+<sup>(\*)</sup> *nginx not possible in WikiFarm*
- PHP 7.2+
- MySQL 5.6+ or MariaDB 10+
- Main Memory:16GB (minimal 8GB)
- Hard Drive: > 20 GB (depends on the planned storage of data)
- CPU: 8 (minimal 4)
- Apache Tomcat 8 or Jetty 9 (for PDF export, version comparison and LaTeXRenderer)
- Elasticsearch 6.x (with plugin "ingest-attachment")
- Java 8+ or OpenJDK 10+
- NodeJS 8+

### Database access

---

- Host/IP adress and port
- User name and password for root user (Create/Drop statements) and wiki user (has possibly been created during the MediaWiki installation)
- Name of the database
- The table prefix of the database

## BlueSpice free Download

---

### Download options

---

BlueSpice free is available at the following websites:

- [BlueSpice homepage](#): From version 3.0.1 on, BlueSpice free is downloaded as Installer which includes a MediaWiki 1.31.
- [Sourceforge](#) (Downloads also for previous BlueSpice free versions)
- [Docker Hub](#): The easiest way to run BlueSpice free is to install it with Docker. All required services are preconfigured.
- [Univention Appliance](#): This appliance, published in the Univention App Center, delivers BlueSpice 2.27.3 with the Univention Corporate Server in a virtual machine.

### Before using the Installer

---

For a successful installation with the BlueSpice free Installer, it is important to review the system requirements and to configure the server environment. We have prepared detailed instructions for preparing your system:

1. [BlueSpice system requirements](#)
2. Blue Spice system preparation
  1. [Windows](#)
  2. [Linux](#)

To make your BlueSpice setup as easy as possible, we provide installation instructions for installing BlueSpice with Installer. These can be found in our [Installation Guide](#).

## Installation guide

---

### Contents

1 Introduction .....	33
2 Prerequisites .....	33
3 Installing BlueSpice 3 .....	33
4 Upgrade .....	33
5 Quick reference: Configuration, services, and optimization .....	33
5.1 Services and system configuration .....	33
5.2 Webservices for Apache Tomcat .....	34
5.3 Additional settings and optimizations .....	34
5.4 Security settings .....	34
5.5 Compendium .....	34
6 Installation Guide archive .....	35



## Introduction

---

We are happy that you decided to install the latest version of BlueSpice, our innovative and feature-packed wiki system. Carefully follow our step-by-step instructions, and BlueSpice will be up and running in no time!

After checking your system requirements and preparing your server environment, you will install the BlueSpice application and optionally tweak your configuration to improve your system performance so that your users can enjoy working with their new wiki.

## Prerequisites

---

Before installing BlueSpice 3, review that you meet all system requirements and that your server environment is ready. If you need to set up a server environment first, we provide detailed instructions here:

1. [Check the system requirements](#)
2. Prepare your system for the BlueSpice installation.  
To set up your server environment, follow the step-by-step instructions or read our [quick reference](#):
  - [Linux](#)
  - [Windows](#)

## Installing BlueSpice 3

---

Please select which installation type you need:

- [Full BlueSpice 3 installation with Installer](#)
  - Extended Functions: [VisualEditor](#), [ExtendedSearch](#)
- [BlueSpice 3 WikiFarm installation](#)
- [Docker image](#)

## Upgrade

---

- [BlueSpice 3 upgrade from version 2.27.x to the current version of BlueSpice](#)

## Quick reference: Configuration, services, and optimization

---

If you don't need to set up a server environment "from scratch", you can directly refer to the setup instructions for individual system components. Just make sure that you really have everything configured as needed:

## Services and system configuration

---

- [Linux](#)
  - [Introduction](#)
  - [Apache und PHP](#)
  - [MariaDB](#)
  - [Jetty](#)
  - [Elasticsearch](#)
  - [Node.js](#)

- [Parsoid](#)
- [Python](#)
- [Memcached](#)
- [Texvc \(BlueSpice pro only\)](#)
- [PhantomJS](#)
- [Windows](#)
  - [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 \(BlueSpice pro only\)](#)

## Webservices for Apache Tomcat

---

- [PDF-Export](#)
- [VisualDiff \(BlueSpice pro only\)](#)
- [LatexRenderer \(BlueSpice pro only\)](#)

## Additional settings and optimizations

---

- [Caching](#)
- [Cronjobs](#)
- [Time Zone](#)

## Security settings

---

- [File System Permissions](#)
- [Deactivating installcheck file](#)
- [Save Directories](#)

## Compendium

---

- [Configuration Folder settings.d](#)
- [Rebuilding the search index](#)
- [Folder structure under Windows](#)
- [Performance optimizations:](#)
  - [PHP](#)
  - [MySQL \(MariaDB\)](#)

- [ManualRecache of the LanguageCache](#)
- [VisualEditor configuration](#)
- [ExtendedSearch configuration](#)

## Installation Guide archive

---