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Setup:Download

A [quality version](#) of this page, [approved](#) on *2 August 2021*, was based off this revision.

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](#).

Setup:Installation Guide

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For general questions regarding the installation, maintenance, and usage of BlueSpice, go to our [SourceForge help forum](#) .

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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 and patch updates

- [BlueSpice 3 upgrade from version 2.27.x to the current version of BlueSpice](#)
- [Patch Update from version 3.1.x to a higher version 3.1.x](#)
- [Upgrade from BlueSpice free 3.1.x to BlueSpice pro 3.1.x](#)

Migration from MediaWiki to BlueSpice

- [Migration from MediaWiki to BlueSpice](#)

Quick reference: Configuration, services, and optimization

Warning: Pages in the namespaces *SocialEntity* and *User* are indexed by search engines by default until version 3.1.13. If you run a public wiki with an earlier version, you should [exclude these namespaces from being searchable](#) unless you want these pages to be indexed by public search engines.

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

- [Backup](#)
- [Configuration Folder settings.d](#)
- [ExtendedSearch Configuration](#)
- [Performance Optimization](#)
- [Performance Optimization/ManualRecache](#)
- [Performance Optimization/MySQL](#)
- [Performance Optimization/PHP](#)
- [Rebuilding the Search Index](#)
- [VisualEditor Configuration](#)
- [Windows Folder Structure](#)

Installing BlueSpice free with Docker

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The easiest way to run BlueSpice free is to install it with an all-in-one Docker image. All required services are preconfigured.

[You can find all necessary information directly on Docker Hub.](#)

How to use the Docker Hub image

Basic usage

Example for quick start. Blue Spice will be accessible only in localhost.

```
docker run -d -p 80:80 bluespice/bluespice-free
```

Keep your data outside of the docker

```
docker run -d -p 80:80 -v {/my/data/folder}:/data bluespice/bluespice-free
```

Setting BlueSpice language and URL

```
docker run -d -p 80:80 -v {/my/data/folder}:/data -e "bs_lang=en" -e "bs_url=http://www.domain.com" bluespice/bluespice-free
```

Activating SSL

Using SSL inside the Blue Spice docker image, the `data` directory should be outside of the docker. Create a folder named `cert` inside your data folder. Inside this folder, certificates must be named like:

- `ssl.cert` (SSL certificate. *mandatory*)
- `ssl.key` (Private key of `ssl.cert` . *mandatory*)
- `ssl.ca` (3rd party CA certs for `ssl.cert` . *optional*) If everything is ready for the first run, just run the following command:

```
docker run -d -p 80:80 -p 443:443 -v {/my/data/folder}:/data -e "bs_lang=en" -e "bs_url=https://www.domain.com" bluespice/bluespice-free
```

Note: Port 443 includes the command and also `$bs_url` schema changed to `https`

Login to BlueSpice

```
username: WikiSysop  
password: PleaseChangeMe
```

Which services are running?

- Apache
- PHP-FPM
- Jetty9
- Elasticsearch
- MySQL/MariaDB
- Parsoid
- crond
- memcached

Manually updating the Docker image

BlueSpice 3.1.2 has no automatic upgrade feature.

[See: Manual upgrade process and how to fix some known issues.](#)

Setup:Installation Guide/System Preparation/Linux

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- - [Introduction](#)
 - [Apache und PHP](#)
 - [MariaDB](#)
 - [Jetty](#)
 - [Elasticsearch](#)
 - [Node.js](#)
 - [Parsoid](#)
 - [Python](#)
 - [Memcached](#)
 - [Texvc \(BlueSpice pro only\)](#)
 - [PhantomJS](#)

System preparation under Windows

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- [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 \(BlueSpice pro only\)](#)

System Requirements 3.2

A [quality version](#) of this page, [approved](#) on *9 March 2021*, was based off this revision.

For a trouble-free installation of the current version BlueSpice 3.2, 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+^(*) or IIS 8, 9, 10 ^(*)*nginx not possible in WikiFarm*
- PHP 7.2.x, 7.3.x
- MySQL 5.6+ or MariaDB 10.x
- Main memory: 16GB (minimal 8GB)
- Available hard drive space: > 20GB (depends on the planned storage of data)
- CPU: 8 (minimal 4) cores
- Apache Tomcat 8 or Jetty 9 (for PDF export, version comparison, and LaTeXRenderer)
- Elasticsearch 6.x with plugin "ingest-attachment"
- Java 8.x or OpenJDK 10.x
- NodeJS 8.x, 9.x, 10.x

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