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Memcached on Linux

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Note: Memcached is a cache server to improve the performance of your BlueSpice installation. It is not required for the actual operation of BlueSpice. The steps listed here are therefore optional.

Installation

Install Memcached with Aptitude:

```
apt-get update; \  
apt-get -y install memcached; \  
apt-get clean
```

Configuration

Open the file containing the memcached configuration (for example, /etc/memcached.conf on Debian / Ubuntu). Find the '-m' argument there and increase the available memory according to your server's capabilities:

```
-m 512
```

Save and close the file and restart memcached with `service memcached restart`.

Next step

If you have completed all steps successfully and want to install BlueSpice pro, proceed to the next step "[Mathoid](#)". If you want to install BlueSpice free, you can now continue with [Installing BlueSpice](#).

Setup:Installation Guide/Advanced/Mathoid

Redirect to:

- [Setup:Installation Guide/Webservices/Mathoid](#)

Installation BlueSpice 4 with Installer

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Download installation package



Download the installation package from the bluespice.com website.

Store the installation package in a web root of your choice (see our [folder structure recommendations](#) for Windows installations), where you can access it via your browser.

Make sure that [file system permissions](#) are set up properly.

Introduction

BlueSpice 4 is installed as a complete package with MediaWiki 1.39 and BlueSpice 4. This installation guide gives you step-by-step instructions to install BlueSpice.

Important! If you do a fresh install of BlueSpice 4, it might be necessary to run `update.php` afterwards if you get an error.

This document only describes the steps for installing the web application itself. For the installation of extended functions such as [VisualEditor](#) and [Extendedsearch](#), please refer to the corresponding documentation.

We will not go into details about your operating system installation here, but assume that you have already checked the [system requirements](#) and your server configuration. You can find more details in our detailed [installation guide](#).

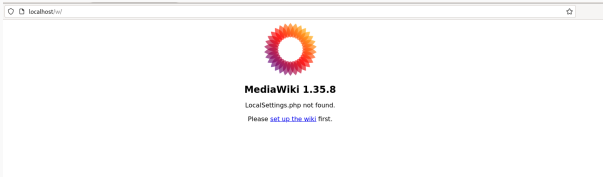

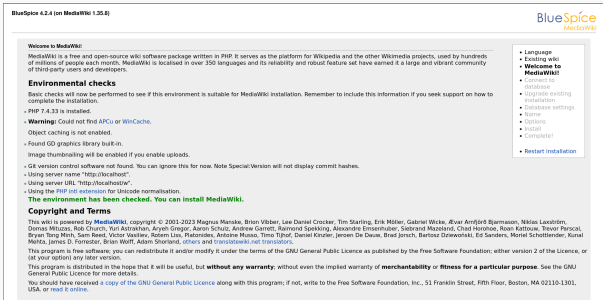
Further help on optimizing the operating system can be found in our [compendium](#).

Step-by-step installation

Note: If you also install the paid extension "BlueSpiceWikiFarm", make sure that the codebase is not located directly in the DocumentRoot of your web server or VirtualHost - it must be located in the /w subfolder!

Note: If Error "Fatal exception of type MWException" shows up, you need to check the rights of your Bluespice Folder and give it reading- and writing permissions. If there is still a error you need to add `"$wgShowExceptionDetails = true"` to your `localsettings.php` file and reload your URL to get preciser information of your error.

First use your browser to call up the URL under which the web application can be reached. Then complete the following steps:

	<p>Step 1: Start the installation setup</p> <p>First, open the URL of your web application in your browser. Then click on "set up the wiki" to start the installation.</p> <p>If you don't meet all necessary requirements for PHP yet, you won't be able to view this setup page yet. Please make the necessary corrections to your PHP installation first. Otherwise, you are now on the page shown in the screenshot (click on the thumbnail to see the full screenshot).</p>
	<p>Step 2: Select your language</p> <p>You are now in the language selection. "Your language" defines the language that guides you through the installer,</p> <p>"Wiki language" the later language settings of your wiki.</p>
	<p>Step 3: MediaWiki installation check</p> <p>This step takes you to the MediaWiki installation check. Please read this check carefully, as possible hints may not block the installation itself, but may lead to restrictions of the wiki functionality in practice. Make the necessary corrections to your system and reload the page in your browser before proceeding with the setup.</p>
	<p>Step 4: Establish the database connection</p> <p>In this step, you configure the database connection. Here you can either specify the root user of your MySQL server and in the following step have the installer create an additional user who only has access to the BlueSpice database. The database will also be created automatically if it does not yet exist. Or, alternatively, you can</p>

create a user and a database in advance and directly enter this information here. You can find more information on the manual creation of users and databases in the [official Mediawiki documentation](#).

Step 5: Create the BlueSpice database user

Depending on the procedure you followed in the previous step, you can now define an exclusive user for your BlueSpice database. If you have already created the user explicitly for the database in advance, leave the check mark at "Use the same database account as during the installation process".

Step 6: Create your wiki name and administrator account

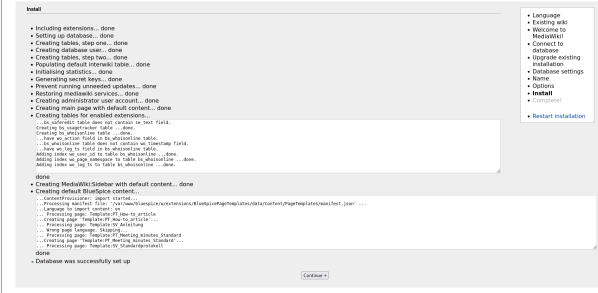
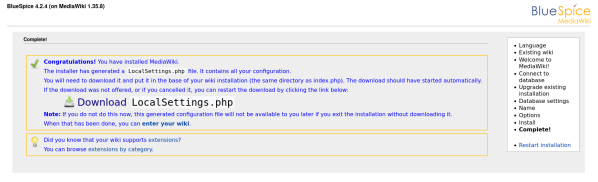
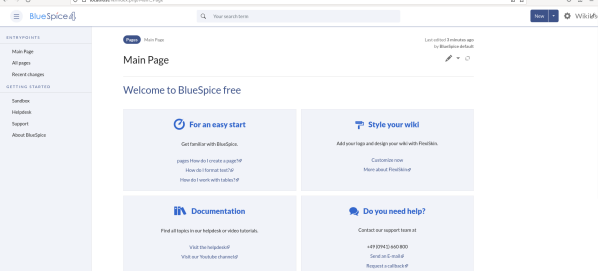
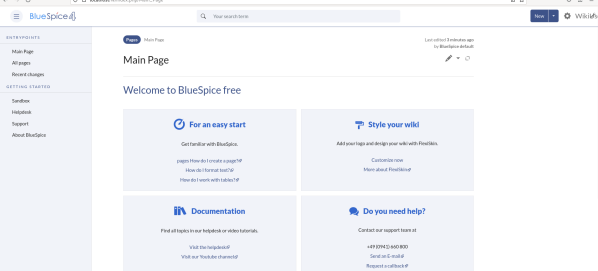
Enter the name for your wiki. This name is displayed in the title bar of your browser and in various other places such as in notification mails. Pay extra attention to the correct spelling because this name can afterwards only be changed with a certain effort and certain risks. Next, enter the username, password and e-mail address of the first wiki administrator. The administrator account is then created by the wiki during setup.

Step 7: Options

In this step, you specify the e-mail address for notification e-mails.

Step 8: Installation

This step announces the installation of the wiki. If you don't need to make any changes to the previous steps, click "Next" to start the installation process.

	<h3>Step 9: Installation status</h3> <p>After the successful installation of BlueSpice, you see a confirmation page that you confirm with "Next".</p>
	<h3>Step 10: Download LocalSettings.php</h3> <p>In the last step of the installation, you will be asked to download the configuration file "LocalSettings.php" of your installation. Download it and place it in the root directory of your BlueSpice codebase.</p>
	<h3>Step 11: Rename the template folders</h3> <ol style="list-style-type: none">1. Open the folder <code><installpath-bluespice>\extensions\BluesSpiceFoundation\config.template</code> and rename the subfolder <code>config.template</code> to <code>config</code> and create the new folder <code>data</code>. These folders should have read and write access see File System Permissions. Note: Since BlueSpice 4.3.0, <code>config.template</code> directory no longer exists, so step of renaming it should be skipped2. Run <code>php <installpath-bluespice>\maintenance\update.php</code> from the console.
	<h3>Step 12: Load the BlueSpice welcome page</h3> <p>If you now access the URL you specified for BlueSpice, you now see the BlueSpice welcome page. You can start using BlueSpice immediately.</p>

BlueSpice WikiFarm

If you are installing **BlueSpice WikiFarm**, follow these [instructions](#). If not, skip to [Next steps](#).

Now open a command line and change to the folder `<installpath-bluespice>`.

Run the following command:

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

Next steps

Note: If the page is not loading, give the group "users" change-permissions for the folder C:\Windows\Temp.

For security reasons, it is recommended to prevent access to the path `mw-config/` after the installation. This can be implemented as follows:

Linux

Windows

In Apache, add the following entry to the file `000-bluespice.conf` :

```
<Directory /var/www/bluespice/w/mw-config>
    Require all denied
</Directory>
```

In IIS, create a file `web.config` in the sub-directory `mw-config/` with the following content:

```
<?xml version="1.0" encoding="UTF-8"?>
<configuration>
  <system.webServer>
    <security>
      <authentication>
        <anonymousAuthentication enabled="false" />
      </authentication>
    </security>
  </system.webServer>
</configuration>
```

Please note that this entry may have to be removed temporarily if the web installer is used to update the application.

Important! As next step, you can configure [VisualEditor](#) and [Extendedsearch](#).