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Setup:Installation Guide

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View source for Setup:Installation Guide/Advanced/Backup

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==== Backup of the database ==== To back up your database, use the native program `mysqldump` of MySQL/MariaDB: Open a console, switch to the directory `<installpath-bluespice>` and backup your database with the following command: `mysqldump -u <username> -p --lock-tables <database> > database.sql` For `<username>`, use the administrative database user, and for `<database>`, use the database of your MediaWiki/BlueSpice installation.
{{Textbox|boxtype=important|header=|text=On Windows, make sure that your environment variables are set correctly, so that you can access the command `mysqldump`.|icon=yes}}

Return to [Setup:Installation Guide/Advanced/Backup](#).

View source for Setup:Installation Guide/Advanced /Configuration Folder settings.d

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==Update-safe changing of default configuration files== If you want to change the files delivered by default in the settings.d folder, we strongly recommend that you choose the following method so as not to lose this configuration after an update: *Create a copy of the respective configuration file with the extension `<code>.local.php</code>` - e.g. "020-VisualEditor.local.php" *Only edit this file Files with this file extension are generally preferred in the loading process.

Return to [Setup:Installation Guide/Advanced/Configuration Folder settings.d](#).

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Return to [Setup:Installation Guide/Advanced/ExtendedSearch Configuration](#).

View source for Setup:Installation Guide/Advanced/Folder structure under Windows

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==Folder structure== In the following, "\bluespice\" is defined as the base directory for the installation in the root directory of the drive (e.g. C:\bluespice or D:\bluespice). The folder structure is based on Unix operating systems:

```
bluespice/  backup/ # for backups  bin/ # for additional programs and own scripts  etc/ # for configuration files  opt/ bluespice/  cache/ # BlueSpice cache  images/ # File uploads  widgets/ # Rendered widgets  tmp/ # Temporary files  var/ log/ # LOG files of the web server  www/ # Actual BlueSpice application
```

Return to [Setup:Installation Guide/Advanced/Folder structure under Windows](#).

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Return to [Setup:Installation Guide/Advanced/Maintenance scripts](#).

View source for Setup:Installation Guide/Advanced /Maintenance scripts/batchStabilize

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====Options==== { | class="wikitable" style="width:100%;" |+ !Option !Description |- |<code>--namespace</code>|Id of namespace to flag entirely |- |<code>--user</code>|Required. The user name of an existing user that is shown as page approver |- |<code>--comment</code>|Adds a stabilization comment to the revision history of the page |- |<code>--verbose</code>|Runs the script in verbose mode to show exceptions |}

Return to [Setup:Installation Guide/Advanced/Maintenance scripts/batchStabilize](#).

View source for Setup:Installation Guide/Advanced/Maintenance scripts/dumpPDF

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==Usage== This script allows to export the wiki pages "from all content namespaces" to PDF. To run the script, execute:<syntaxhighlight lang="text"> php {MW_ROOT}/extensions/BlueSpiceUEModuleBookPDF/maintenance/dumpPDF.php --file:localpath> --limit:200 --mail:admin@myemail.com </syntaxhighlight>

Return to [Setup:Installation Guide/Advanced/Maintenance scripts/dumpPDF](#).

View source for Setup:Installation Guide/Advanced/Maintenance scripts/executeTransfer

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== Usage == There are three ways to specify pages which pages to transfer: * <code>'--category'</code>: This option lets you transfer based on category:<syntaxhighlight lang="php"> php extensions/ContentTransfer/maintenance/executeTransfer.php --category=GlobalPage --targets=Target1,Target2,Target3 </syntaxhighlight> * <code>'--namespace'</code>: This option lets you transfer based on namespace ID:<syntaxhighlight lang="php"> php extensions/ContentTransfer/maintenance/executeTransfer.php --namespace=10 --targets=Target1,Target2,Target3 </syntaxhighlight> * <code>'--pages'</code> This option lets you explicitly specify which pages to transfer:<syntaxhighlight lang="php"> php extensions/ContentTransfer/maintenance/executeTransfer.php --pages=Page1,Demo:Page2,Page3 --targets=Target1,Target2,Target3 </syntaxhighlight>

Return to [Setup:Installation Guide/Advanced/Maintenance scripts/executeTransfer](#).

View source for Setup:Installation Guide/Advanced /Maintenance scripts/export

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== Creating a page list for the export == The export list is defined in the wiki page that is shown as the `<code>title</code>` in the json-file. (In the example above, this is the page `<code>MyPDF</code>` .) The page `<code>MyPDF</code>` now needs to list all pages that will be exported to PDF. This list can be created with an `[[SMW queries|SMW inline query]]` (BlueSpice free) or with a `[[Manual:Extension/DynamicPageList3|DPL3 list]]` (BlueSpice free). Example of an SMW query to create an export for all pages in the categories `<code>Process</code>` and `<code>Work instruction</code>`: You would add the following to your `<code>MyPDF</code>` page in the wiki:`<syntaxhighlight lang="text"> ==All processes== {{#ask:[[Process:+]]|format=ul|limit=99999}} ==All work instructions== {{#ask:[[Work instruction:+]]|format=ul|limit=99999}} </syntaxhighlight>`The same list can be created with the following DPL3 syntax:`<syntaxhighlight lang="text"> ==All processes== {{#dpl:category=Process}} ==All work instructions== {{#dpl:category=Work instruction}} </syntaxhighlight>`

Return to [Setup:Installation Guide/Advanced/Maintenance scripts/export](#).

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Return to [Setup:Installation Guide/Advanced/Mathoid](#).

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Return to [Setup:Installation Guide/Advanced/Performance Optimization](#).

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Return to [Setup:Installation Guide/Advanced/Performance Optimization/ManualRecache](#).

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Return to [Setup:Installation Guide/Advanced/Performance Optimization/MySQL](#).

View source for Setup:Installation Guide/Advanced /Performance Optimization/PHP

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==zlib== Activate the extension zlib. In the php.ini we recommend the following configuration:

```
zlib.  
output_compression = On  
zlib.output_compression_level = 9
```

 You can find more information in the [http://php.net/manual/de/zlib.configuration.php official PHP documentation] for zlib. [[en:{{FULLPAGENAME}}]]
[[de:Setup:Installationsanleitung/Kompendium/Performance-Optimierungen/PHP]]

Return to [Setup:Installation Guide/Advanced/Performance Optimization/PHP](#).

View source for Setup:Installation Guide/Advanced /VisualEditor Configuration

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==Checking the Configuration manager== In case the VisualEditor is still not appearing, check if VisualEditor is shown as activated in the configuration manager of your wiki: #Go to "Global actions > Config manager" #Make sure the checkbox "Enable VisualEditor for BlueSpice extensions" is activated:

 [[File:ve-config.png|650x650px]]
 By default, VisualEditor is only activated in the main (Pages) and the User namespaces.

Return to [Setup:Installation Guide/Advanced/VisualEditor Configuration](#).

View source for Setup:Installation Guide/Advanced/Windows Folder Structure

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==Folder structure== In the following, "\bluespice\" is specified as the base directory for the installation in the root directory of the drive (e.g. C:\bluespice or D:\bluespice). The folder structure based on Unix operating systems is:

```
bluespice/  backup/ # für Backups  bin/ # für Zusätzliche Programme sowie eigene Scripte  etc/ # für Konfigurationsdateien  opt/ bluespice/  cache/ # BlueSpice-eigener Cache  images/ # Datei-Uploads  widgets/ # Gerenderte Widgets  tmp/ # Temporäre Dateien  var/ log/ # LOG-Dateien des Webservers  www/ # Die eigentliche BlueSpice-Applikation
```

Return to [Setup:Installation Guide/Advanced/Windows Folder Structure](#).

View source for Setup:Installation Guide/Docker/Docker Hub

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

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

Return to [Setup:Installation Guide/Docker/Docker Hub](#).

View source for Setup:Installation Guide/Installation BlueSpice WikiFarm

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==Ensuring the correct path in the file system== Important for the operation of BlueSpiceWikiFarm is that BlueSpice is located in the directory `<code>/w</code>` of the DocumentRoot of your web server or VirtualHost.
 If this is not the case, you have to move the entire codebase there.
 After that, the variable `<code>$wgScriptPath</code>` in the `<code>LocalSettings.php</code>` contains the path `<code>/w</code>`.

```
<code>$ wgScriptPath = "/w";</code>
```

Return to [Setup:Installation Guide/Installation BlueSpice WikiFarm](#).

View source for Setup:Installation Guide/Migration from MediaWiki to BlueSpice

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==Backup== Create a full backup of your current installation. Commands may differ depending on your operating system. #Create a directory to store the backup:<syntaxhighlight> mkdir -p /opt/mediawiki-migration-backup/{db,web} </syntaxhighlight>
 #Create the database dump:<syntaxhighlight> mysqldump -u DB_USER_OR_ROOT -p MEDIAWIKI_DATABASE_NAME > /opt/mediawiki-migration-backup/db/database.sql </syntaxhighlight>
 #Copy everything in the web root to the backup folder:<syntaxhighlight> cp -Rvf /PATH/TO/MEDIAWIKI/FOLDER/* /opt/mediawiki-migration-backup/web/ </syntaxhighlight>
 We will use this backup later for the migration process as well.

Return to [Setup:Installation Guide/Migration from MediaWiki to BlueSpice](#).

View source for Setup:Installation Guide/Optimization/Caching

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==Linux vs. Windows== Please note that with equal hardware conditions, BlueSpice empirically runs more performantly on Linux than on Windows servers.

Return to [Setup:Installation Guide/Optimization/Caching](#).

View source for Setup:Installation Guide/Optimization/Cronjobs

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==runJobs.php== Time-consuming processes will be moved to a processing queue in the background of BlueSpice. With every page impression, a part of these will be processed. For the case that there are lots of processes in the queue and there are relatively little page impressions, the tasks will not be processed promptly. For this reason, the queue should be processed regularly by cronjob. Create a cronjob (Windows: "Scheduled task") depending on your operating system. The command to execute is: php <code><installpath-bluespice></code>/maintenance/runJobs.php "(Linux)" php.exe <code><installpath-bluespice></code>/code>\maintenance\runJobs.php "(Windows)" Execute the cronjob every "10 minutes".

Return to [Setup:Installation Guide/Optimization/Cronjobs](#).

View source for Setup:Installation Guide/Optimization/Time Zone

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==Changing the Time Zone== Copy the file `<installpath-bluespice>/settings.d/001-DefaultSettings.php` to `<installpath-bluespice>/settings.d/001-DefaultSettings.local.php` and open it. In delivery stat, you can find these two lines there: `$wgLocaltimezone = 'Europe/Berlin';`
`$wgDefaultUserOptions['timecorrection'] = 'ZoneInfo' . (date("I") ? 120 : 60) . '|Europe/Berlin';` Replace "Europe / Berlin" with your time zone. An overview of all possible time zones can be found in the [http://php.net/manual/en/timezones.php official PHP documentation].
Save and close the file. [[en:{{FULLPAGENAME}}]][[de: Setup:Installationsanleitung/Optimierungen/Zeitzone]]

Return to [Setup:Installation Guide/Optimization/Time Zone](#).

View source for Setup:Installation Guide/Patch Update

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==Renew the code base== Unzip the archive (new Wiki version). Overwrite the old wiki code base with the new wiki version code:<syntaxhighlight lang="bash"> #Linux bash cp -r new_version_codebase old_version_codebase rm -rf new_version_codebase </syntaxhighlight><syntaxhighlight lang="bash"> #Win bash xcopy new_version_codebase old_version_codebase /E/H #path/ - to tell xcopy that path is a directory. rmdir new_version_codebase /Q/S </syntaxhighlight>

Return to [Setup:Installation Guide/Patch Update](#).

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Return to [Setup:Installation Guide/Security Patches 3.2.8](#).

View source for Setup:Installation Guide/Security Settings /File System Permissions

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==Affected Folders== The folders, which require write permissions, are: `<installpath-bluespice>/cache` `<installpath-bluespice>/images` `<installpath-bluespice>/extensions/BlueSpiceFoundation/config` (only until BlueSpice v. 4.2.x){Bsvs|bsvTo=4.2.x} `<installpath-bluespice>/extensions/BlueSpiceFoundation/data` `<installpath-bluespice>/extensions/Widgets/compiled_templates` "(only BlueSpice pro)"

Return to [Setup:Installation Guide/Security Settings/File System Permissions](#).

View source for Setup:Installation Guide/Security Settings /Save Directories

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==Explanation for Saving Directories== It is highly recommended, to lock several directories to save them from access from external browsers, so that calling up the directory or the content delivers the HTTP status code (Forbidden). To find out how this works with the webserver you are using, please read the documentation of your webserver software. The following directories should be saved: `<bluespice-url>/cache` `<bluespice-url>/images`
Please keep in mind that you need to unblock the subfolder `<bluespice-url>/images/bluespice/flexiskin` afterwards, because this subfolder must be accessible. `<bluespice-url>/mw-config` [[en:{{FULLPAGENAME}}]][[de:Setup:Installationsanleitung/Sicherheitseinstellungen/Verzeichnisse_schützen]]

Return to [Setup:Installation Guide/Security Settings/Save Directories](#).

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Return to [Setup:Installation Guide/System Preparation](#).

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View source for Setup:Installation Guide/System Preparation /Linux/Apache and PHP

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==Installation== Install Apache and PHP using the Aptitude package manager with the following steps:

```
apt update; \ apt install apache2 \ libapache2-mod-php7.4 \ php7.4 \ php7.4-cli \ php7.4-common \ php7.4-curl \ php7.4-gd \ php7.4-intl \ php7.4-json \ php7.4-mbstring \ php7.4-mysql \ php7.4-opcache \ php7.4-tidy \ php7.4-xml \ php7.4-zip; \ apt clean
```

 Depending on requirements, further PHP extensions may be necessary, e.g. for an LDAP connection.

Return to [Setup:Installation Guide/System Preparation/Linux/Apache and PHP](#).

View source for Setup:Installation Guide/System Preparation /Linux/Elasticsearch

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==Installing Elasticsearch== The subsequent installation of Elasticsearch will guide you through these commands.

```
apt update; \ apt install elasticsearch; \ apt clean
```

Return to [Setup:Installation Guide/System Preparation/Linux/Elasticsearch](#).

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Return to [Setup:Installation Guide/System Preparation/Linux/Introduction](#).

View source for Setup:Installation Guide/System Preparation /Linux/Jetty

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==Installing Jetty== Install Jetty via Aptitude:

```
>apt update; \ apt install jetty9; \ apt clean</pre>
```

Return to [Setup:Installation Guide/System Preparation/Linux/Jetty](#).

View source for Setup:Installation Guide/System Preparation /Linux/MariaDB

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==Create database user for BlueSpice== After installation, immediately create a database user for MariaDB directly with the following command:
<pre>mysql -e "GRANT ALL ON bluespice.* TO 'bluespice'@'127.0.0.1' IDENTIFIED BY '<a password of your choice>';"</pre>{{Messagebox|boxtype=important|icon=no|Note text=Remember the username and password for later parts of the Installation.|bgcolor=}}

Return to [Setup:Installation Guide/System Preparation/Linux/MariaDB](#).

View source for Setup:Installation Guide/System Preparation /Linux/Memcached

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==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:

```
<pre>-m 512</pre>
```

 Save and close the file and restart memcached with `<code>service memcached restart</code>`.

Return to [Setup:Installation Guide/System Preparation/Linux/Memcached](#).

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== Plugin installation == You also need the plugin "ingest-attachment." Install it as described here: <https://opensearch.org/docs/latest/install-and-configure/plugins/>

Return to [Setup:Installation Guide/System Preparation/Linux/OpenSearch](#).

View source for Setup:Installation Guide/System Preparation /Linux/PhantomJS

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==Installation== Unpack the downloaded bz2 archive on the server with the command `<code>tar xjf phantomjs-2.1.1-linux-x86_64.tar.bz2 </code>`. In the unpacked folder `<code>phantomjs-2.1.1-linux-x86_64 </code>`, you will find another folder with the name `<code>bin</code>`. Within this folder is the file `<code>phantomjs</code>`. Copy this file into the `<code>/usr/local/bin </code>` folder. Then adjust the rights of the file:

```
<pre>chown root.staff /usr/local/bin/phantomjs; \ chmod +x /usr/local/bin/phantomjs</pre>
```

Return to [Setup:Installation Guide/System Preparation/Linux/PhantomJS](#).

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==Next step== If you have successfully completed all steps, you can proceed to the next step "[[Setup:Installation Guide/System Preparation/Linux/Memcached | Memcached]]". [[en:{{FULLPAGENAME}}]] [[de:Setup:Installationsanleitung/Systemvorbereitung/Linux/Python]]

Return to [Setup:Installation Guide/System Preparation/Linux/Python](#).

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==Installation== To install Texvc, go to the codebase of your BlueSpice sources in the folder `<code>extensions/Math/math</code>`. Here, execute the command `<code>make</code>`. Texvc will now be compiled. After finishing the process, move the `<code>texvc</code>` file that was just created in the same folder to `<code>/usr/local/bin</code>` and make it executable by the following commands.

```
<pre>chown root:staff /usr/local/bin/math; \ chmod +x /usr/local/bin/math</pre>
```

Return to [Setup:Installation Guide/System Preparation/Linux/Texvc](#).

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Return to [Setup:Installation Guide/System Preparation/Windows](#).

View source for Setup:Installation Guide/System Preparation /Windows/.NET Framework 3.5

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==Installation of the framework in the Roles Manager== You are now in the Roles Manager (Window "Add Roles and Features Wizard"). "Click" "Next >" multiple times until you have reached the section "Features" (1). "Activate" the checkbox ".NET Framework 3.5-Funktionen" (2). After that, proceed to the next step (3): [[File:Setup:systempreparation_net_framework_03.png|border|center|400px|.NET Framework 3.5 03|link=Special:FilePath/Setup:systempreparation_net_framework_03.png]] "Activate" the checkbox "Restart the destination server automatically if required" (1) and "click" "Install" (2): [[File:Setup:systempreparation_net_framework_04.png|border|center|400px|.NET Framework 3.5 04|link=Special:FilePath/Setup:systempreparation_net_framework_04.png]] "Click" "Close" to finish the installation of the .net Framework: [[File:Setup:systempreparation_net_framework_05.png|border|center|400px|.NET Framework 3.5 05|link=Special:FilePath/Setup:systempreparation_net_framework_05.png]]

Return to [Setup:Installation Guide/System Preparation/Windows/.NET Framework 3.5](#).

View source for Setup:Installation Guide/System Preparation /Windows/Apache Tomcat

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==Installing Apache Tomcat== Open the downloaded file "apache-tomcat-10.0.12.exe". Start the installation by clicking "Next >": [[File:Setup:Tomcat_Install_01.png|center|400x400px|Tomcat Installation 01|link=Special:FilePath/Setup:tm_v3.png]] Confirm the license agreement by clicking "I Agree": [[File:Setup:Tomcat_Install_02.png|center|400px|Tomcat Installation 02|link=Special:FilePath/Setup:Tomcat_Install_02.png]] Click "Next >": [[File:Setup:Tomcat_Install_03.png|center|400px|Tomcat Installation 03|link=Special:FilePath/Setup:Tomcat_Install_03.png]] Click "Next >" again: [[File:Setup:Tomcat_Install_04.png|center|400x400px|Tomcat Installation 04|link=Special:FilePath/Setup:tm_v4.png]] Select (1) the home directory of your [[Setup:Installation Guide/System Preparation/Windows/OpenJDK | OpenJDK Installation]] (2) and click "Next>" (3): [[File:Setup:Tomcat_Install_05.png|center|400x400px|Tomcat Installation 05|link=Special:FilePath/Setup:tm3.png]] Start the Tomcat Installation: [[File:Setup:Tomcat_Install_06.png|center|400x400px|Tomcat Installation 06|link=Special:FilePath/Setup:tm4.png]] At the end of the installation, leave both preselected checkboxes (1) and finish the setup (2) [[File:Setup:Tomcat_Install_07.png|center|400x400px|Tomcat Installation 07|link=Special:FilePath/Setup:tm_v7.png]]

Return to [Setup:Installation Guide/System Preparation/Windows/Apache Tomcat](#).

View source for Setup:Installation Guide/System Preparation /Windows/Elasticsearch

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==Unpacking the ZIP archive== '''Unpack''' the ZIP archive that you have just downloaded in a Archiv in a suited system path of your hard drive. {{Hint|file=hint.png|text=This documentation assumes the [[Setup:Installation Guide/Advanced/Windows Folder Structure|folder structure recommended by us]]. For this reason, Elasticsearch is unpacked at this point in the folder C:\bluespice\bin\elasticsearch-6.8.23. If you have individual wishes, adjust these paths according to your own understanding.}}

Return to [Setup:Installation Guide/System Preparation/Windows/Elasticsearch](#).

View source for Setup:Installation Guide/System Preparation /Windows/IIS-Webserver

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==Open the Server Manager and the Roles Manager== >'''Open''' the Server Manager (like in the previous step). Unless otherwise configured, it starts automatically as soon as you log in to the server. Otherwise, you will find it in the start menu under the search term "Server Manager". You are now looking at the following view: [[File:Setup:systempreparation_iis_01.png|border|center|400px|IIS Webserver 01|link=Special:FilePath/Setup:systempreparation_iis_01.png]] '''Click''' "Manage" (1) and then '''click''' "Add Roles and Features" (2): [[File:Setup:systempreparation_iis_02.png|border|center|400px|IIS Webserver 02|link=Special:FilePath/Setup:systempreparation_iis_02.png]]

Return to [Setup:Installation Guide/System Preparation/Windows/IIS-Webserver](#).

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Return to [Setup:Installation Guide/System Preparation/Windows/Introduction](#).

View source for Setup:Installation Guide/System Preparation /Windows/MariaDB

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==Installation== "Open" the MSI file that you have just downloaded. "Click" "Next" to start the installation: [[File:Setup:systempreparation_mariadb_02.png|border|center|MariaDB 02|link=Special:FilePath/Setup:systempreparation_mariadb_02.png]] "Confirm" the dieLicense Agreement (1) and "click" "Next" (2): [[File:

Setup:systempreparation_mariadb_03.png|border|center|MariaDB 03|link=Special:FilePath/Setup:systempreparation_mariadb_03.png]] "Click" "Next" to confirm the installation setup: [[File:Setup:systempreparation_mariadb_04.png|border|center|MariaDB 04|link=Special:FilePath/Setup:systempreparation_mariadb_04.png]] "Enter" a new root password for the administrative ("root") user of the databse server (1) and "click" "Next" (2): [[File:Setup:systempreparation_mariadb_06.png|border|center|MariaDB 06|link=Special:FilePath/Setup:systempreparation_mariadb_06.png]] "Click" "Next" in the "Default instance properties" window: [[File:Setup:systempreparation_mariadb_07.png|border|center|MariaDB 07|link=Special:FilePath/Setup:systempreparation_mariadb_07.png]] "Click" "Install" to start the installation: [[File:Setup:systempreparation_mariadb_08.png|border|center|MariaDB 08|link=Special:FilePath/Setup:systempreparation_mariadb_08.png]] "Click" "Finish" after the installation to exit the setup: [[File:Setup:systempreparation_mariadb_09.png|border|center|MariaDB 09|link=Special:FilePath/Setup:systempreparation_mariadb_09.png]]

Return to [Setup:Installation Guide/System Preparation/Windows/MariaDB](#).

View source for Setup:Installation Guide/System Preparation /Windows/Microsoft Visual C++ Redistributable

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==Installation== "Open" the Setup, "confirm" the "license terms and conditions" (1) and "click" "Install" (2): [[File:Setup:systempreparation_ms_redist_01.png|border|center|400px|Visual C++ Redistributable 01|link=Special:FilePath/Setup:systempreparation_ms_redist_01.png]]

Return to [Setup:Installation Guide/System Preparation/Windows/Microsoft Visual C++ Redistributable](#).

View source for Setup:Installation Guide/System Preparation /Windows/OpenJDK

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==Unpacking the ZIP archive== {{Hint|file=hint.png|text=This documentation is based on the [[Setup:Installation Guide/Advanced/Windows Folder Structure|folder structure recommended by us]]. If you want to adjust this individually, you have to adjust the paths yourself according to your own level of knowledge.}} Unpack the downloaded ZIP archive to "C:\BlueSpice\bin". The file structure "C:\BlueSpice\bin\jdk-17.0.2" should be the result.

Return to [Setup:Installation Guide/System Preparation/Windows/OpenJDK](#).

View source for Setup:Installation Guide/System Preparation /Windows/OpenSearch

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== Plugin installation == You also need the plugin "ingest-attachment." Install it as described here: <https://opensearch.org/docs/latest/install-and-configure/plugins/>

Return to [Setup:Installation Guide/System Preparation/Windows/OpenSearch](#).

View source for Setup:Installation Guide/System Preparation /Windows/PHP

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==Unpacking the ZIP archive== '''Unpack''' the ZIP archive that you just downloaded into a useful system path on your hard drive. {{Hint|file=hint.png|text=This documentation assumes the [[Setup:Installation Guide /Advanced/Windows_Folder_Structure|recommended folder structure]]. For this reason PHP will be unpacked into the folder C:\bluespice\bin\php-7.4.28. If you have a different folder structure, you must adapt these paths accordingly.}}

Return to [Setup:Installation Guide/System Preparation/Windows/PHP](#).

View source for Setup:Installation Guide/System Preparation /Windows/PHP Manager

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==Installation== Open the installation file which you have just downloaded. "Click" "Next >" to start the installation: [[File:Setup:systempreparation_phpmanager_03.png|border|center|400px|PHP Manager 03|link=Special:FilePath/Setup:systempreparation_phpmanager_03.png]] "Select" "I agree" (1) in the License Agreement and "click" "Next >" (2): [[File:Setup:systempreparation_phpmanager_04.png|border|center|400px|PHP Manager 04|link=Special:FilePath/Setup:systempreparation_phpmanager_04.png]] The installation is now executed and completed without further confirmation. "Close" the setup program when finished: [[File:Setup:systempreparation_phpmanager_05.png|border|center|400px|PHP Manager 05|link=Special:FilePath/Setup:systempreparation_phpmanager_05.png]]

Return to [Setup:Installation Guide/System Preparation/Windows/PHP Manager](#).

View source for Setup:Installation Guide/System Preparation /Windows/Python

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==Installation== "Open" the file that you have just downloaded. "Select" both checkboxes (1). "Click" "Customize installation" (2): [[File:Setup:systempreparation_python_02.png|border|center|600px|Python 02]] "Click" "Next" in the Optional Features window. [[File:Setup:systempreparation_python_03.png|border|center|600px|Python 03]] Make sure to install Python for all users (1) . Choose an appropriate path, if possible without spaces and special characters (2) "Click" "Install" to start the installation (3). [[File:Setup:systempreparation_python_04.png|border|center|600px|Python 04]] {{Hint|file=hint.png|text=This documentation assumes the [[Setup:Installation_Guide/Advanced/Windows_Folder_Structure|folder structure recommended by us]]. For this reason, Python is unpacked at this point in the folder C:\bluespice\bin\python-3.10.2. If you have individual wishes, adjust these paths according to your own understanding.}} "Deactivate" the limitation of the path length to 260 characters after the installation: [[File:Setup:systempreparation_python_05.png|border|center|600px|Python 05]] "Click" "Close" to finish the installation. [[File:Setup:systempreparation_python_06.png|border|center|600px|Python 06]]

Return to [Setup:Installation Guide/System Preparation/Windows/Python](#).

View source for Setup:Installation Guide/System Preparation /Windows/Setting the system rights of the temporary Windows folder

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==Next step== If you have successfully completed all of the above steps, proceed to the next step: [[Setup:Installation_Guide/System_Preparation/Windows/.NET_Framework_3.5|.NET Framework 3.5]].

Return to [Setup:Installation Guide/System Preparation/Windows/Setting the system rights of the temporary Windows folder](#).

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Return to [Setup:Installation Guide/System Preparation/Windows/Vorwort](#).

View source for Setup:Installation Guide/System Preparation /Windows/urlrewrite

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==Installation== "Open" the Setup window, "accept" the License Agreement (1) and "click" "Install" (2): [[File:Setup:systempreparation_urlrewrite_03.png|border|center|400px|urlrewrite 03|link=Special:FilePath/Setup:systempreparation_urlrewrite_03.png]]

Return to [Setup:Installation Guide/System Preparation/Windows/urlrewrite](#).

View source for Setup:Installation Guide/Upgrade

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===Browser=== {{#dpl:title=Setup:System requirements|include=#Browser}}

Return to [Setup:Installation Guide/Upgrade](#).

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Return to [Setup:Installation Guide/Webservices](#).

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Return to [Setup:Installation Guide/Webservices/Mathoid](#).

View source for Setup:Installation Guide/Webservices/PDF-Export

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==Checking the functionality== The correct functionality of the BShtml2PDF service can be checked as follows: On Windows, open Internet Explorer using the URL <nowiki>http://localhost:8080/BShtml2PDF</nowiki>. With correct functionality, you should see the following website: [[File:Setup:Tomcat_Check_03.png|center|400px|Tomcat Check 03]]

Return to [Setup:Installation Guide/Webservices/PDF-Export](#).

View source for Setup:Installation Guide/With Installer

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==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.

{{Messagebox|boxtype=important|Note text=If you do a fresh install of BlueSpice 4, it might be necessary to run update.php afterwards if you get an error.|bgcolor=#f0f0f0|icon=}}This document only describes the steps for installing the web application itself. For the installation of extended functions such as [[Setup:Installation_Guide/Advanced/VisualEditor_Configuration|VisualEditor]] and [[Setup:Installation Guide/Advanced/ExtendedSearch Configuration|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 [[Setup:Installation_Guide#Prerequisites|system requirements]] and your server configuration. You can find more details in our detailed [[Setup:Installation Guide|installation guide]]. Further help on optimizing the operating system can be found in our [[Setup:Installation Guide/Advanced|compendium]].

Return to [Setup:Installation Guide/With Installer](#).

View source for Setup:Installation Guide/With Installer (2)

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Return to [Setup:Installation Guide/With Installer \(2\)](#).