

Contents

1. Reference:BlueSpiceArticlePreviewCapture	2
2. Manual:Extension/BlueSpiceArticlePreviewCapture	3
3. RecentChanges	4
4. Reference:BlueSpiceExtendedSearch	5
5. Reference:Bookshelf	10
6. Reference:Social	10
7. Setup:Installation Guide/System Preparation/Linux/PhantomJS	10
8. Setup:Installation Guide/System Preparation/Windows/PhantomJS	11

Reference:BlueSpiceArticlePreviewCapture

Extension\>: BlueSpiceArticlePreviewCapture

Overview			
Description:	Creates preview images of wikipages for dynamic file dispatcher		
State:	stable	Dependency:	BlueSpice
Developer:	HalloWelt	License:	GPL-3.0-onlyProperty "BSExtensionInfoLicense" (as page type) with input value "</br>GPL-3.0-only" contains invalid characters or is incomplete and therefore can cause unexpected results during a query or annotation process.
Type:	BlueSpice	Category:	Data Analysis
Edition:	BlueSpice pro, BlueSpice Farm, BlueSpice Cloud		
View help page			

Features

BlueSpiceArticlePreviewCapture provides the ability to show current snapshots of wikipages as thumbnails throughout the wiki.

The ArticlePreviewCapture extension creates preview images (screenshots) of pages, which are displayed for example in the search results of the [ExtendedSearch](#) autocomplete function, in the [Recent changes](#), the [List of books](#) and the [Timeline](#).

This extension requires PhantomJS ([Linux](#) | [Windows](#)) to be installed on the server.

Technical Information

This information applies to BlueSpice 3 . Technical details for BlueSpice cloud can differ in some cases.

Requirements

MediaWiki: 1.31
BlueSpiceFoundation: 3.2

Integrates into

Special pages

Configuration

Name	Value
ArticlePreviewCapturePhantomJSBackend	'native-shell-exec'
ArticlePreviewCapturePhantomJSBaseUrl	NULL
ArticlePreviewCapturePhantomJSEscapeShellCommand	true
ArticlePreviewCapturePhantomJSExecutable	'/usr/local/bin/phantomjs'
ArticlePreviewCapturePhantomJSOptions	array (0 => '--ignore-ssl-errors', 1 => 'true',)
ArticlePreviewCapturePhantomJSServiceURL	NULL

Hooks

- [SetupAfterCache](#)

Page preview thumbnails

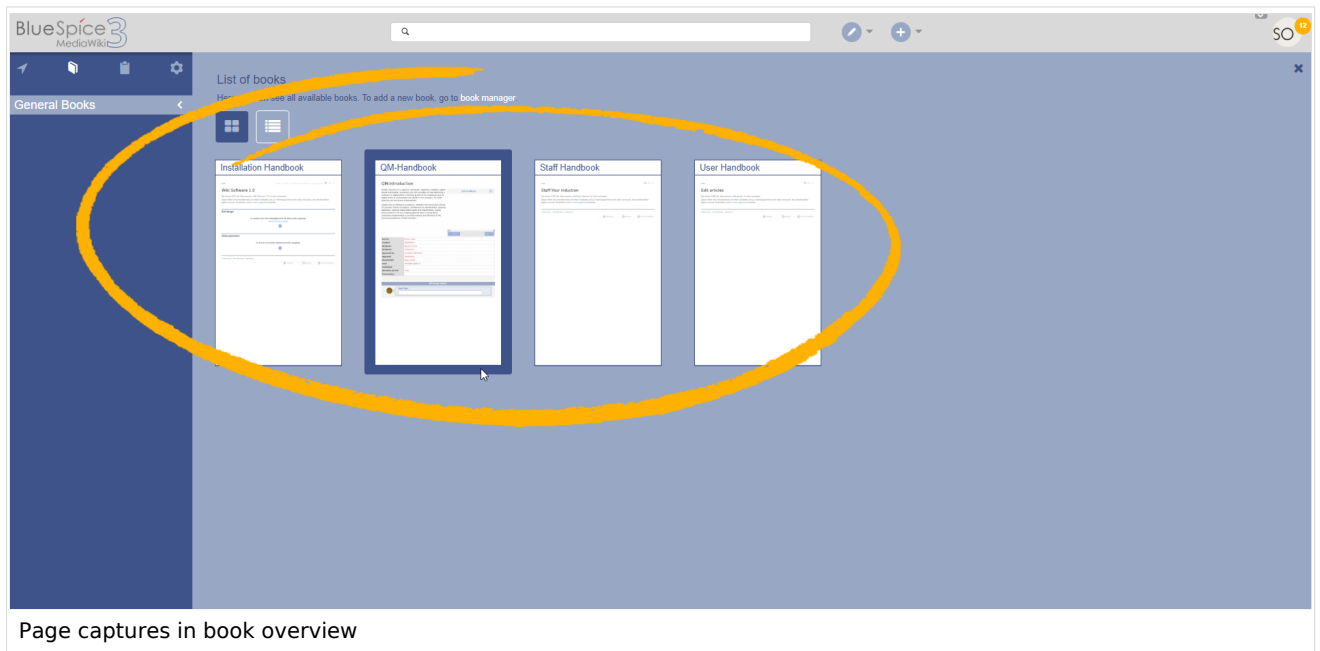
A [quality version](#) of this page, [approved](#) on *30 June 2020*, was based off this revision.

ArticlePreviewCapture shows current snapshots of wiki pages as thumbnails throughout the wiki.

Contents

1 Where can you find page previews?	4
2 Underlying technology	4
3 Related info	4

Where can you find page previews?



Thumbnail snapshots of pages are used in:

- the page *Special:SearchCenter* - to show previews of pages in search results,
- the search box, to show the top search result,
- the Recent Changes fly-out layer,
- the Book manager fly-out layer, and
- the Timeline.

Underlying technology

This extension relies on PhantomJS ([for Linux](#) | [for Windows](#)) to render the thumbnails.

Related info

- [Reference:BlueSpiceArticlePreviewCapture](#)

RecentChanges

Recent changes is a MediaWiki feature that shows you the latest changes that happened on the your wiki.

You can access this page at: `Special:RecentChanges` or from the main navigation in a default wiki installation.

See the [official documentation](#) on mediawiki.org for further information.

BlueSpice also provides a [SmartList](#) tag to display and filter recent changes in the content of a wiki page.

Reference:BlueSpiceExtendedSearch

Extension\>: BlueSpiceExtendedSearch

Overview			
Description:	Elasticsearch search backend		
State:	stable	Dependency:	BlueSpice
Developer:	HalloWelt	License:	GPL-3.0-onlyProperty "BSExtensionInfoLicense" (as page type) with input value "</br>GPL-3.0-only" contains invalid characters or is incomplete and therefore can cause unexpected results during a query or annotation process.
Type:	BlueSpice	Category:	Search and Navigation
Edition:	BlueSpice free, BlueSpice pro, BlueSpice Farm, BlueSpice Cloud		
View help page			

Features

ExtendedSearch replaces the default MediaWiki search engine. It is based on ElasticSearch engine, and provides many improvements over the standard MediaWiki search both in terms of quality of indexed content and user interface.

- Search titles.
- Search the full content.
- Search uploaded or linked files (Office documents and PDFs).
- Search image data.
- Search-as-you-type and auto-complete.
- Ignore upper and lower case (case-insensitive).
- Search with the operators AND, OR, NOT.
- Search with wildcards.

- Search for phrases.
- Fuzzy search.
- Search for sentence fragments.

Some aspects of this extension can be configured on [Special:BlueSpiceConfigManager](#), under section "ExtendedSearch". Here wiki administrators can configure:

- external file paths
- layout of the autocomplete box
- language filter
- exclude patterns

Configuration (server)

For boosting by match percent, the following settings are available in the extension itself:

```
"ESMatchPercentBoostFactor": {
  "description": "How much to boost the result based on the percent of its
title taken up by the search term. Set to 0 to disable",
  "public": false,
  "value": "0.5"
},
"ESMatchPercentTitleField": {
  "description": "Field on which to base the match percent boosting. If
empty, default title field of the source will be used",
  "public": false,
  "value": ""
},
```

Description:

- **ESMatchPercentBoostFactor:** The value here is multiplied by the the match percent and by the score of the document. Example: The search term is "Test". The search finds for example "Testpage" and - let's say - assigns a score of 20 to this result. Your search term matches 50 percent of the found name, so its match factor is 0.5. This factor is then multiplied by the value in this setting (by default 0.5), which gives the total boost factor of 0.25. The final score is calculated as "original score + (original score * boost factor)" => $20 + (20 * 0.25) = 20 + 5 = 25$. This means that because your search term matches 50% of the result, it got boosted by the factor of 5.
- **ESMatchPercentTitleField:** Field on which the match analysis is performed. Defaults to nothing, so whatever the search lookup sets. It can be set to "prefixed_text" to calculate match percent on the title with namespace prefix, for example, or to something like "basename" to calculate the match percent only on the page name, without the namespace prefix.

Technical Information

This information applies to BlueSpice 3 . Technical details for BlueSpice cloud can differ in some cases.

Requirements

MediaWiki: 1.31

BlueSpiceFoundation: 3.2

Integrates into

- BlueSpiceArticleInfo
- BlueSpiceExtendedSearch
- BlueSpiceExtendedStatistics
- BlueSpicePrivacy
- BlueSpiceSimpleFarmer
- BlueSpiceTagCloud
- BlueSpiceVisualEditorConnector
- VisualEditor

Special pages

- BSSearchAdmin
- BSSearchCenter

Permissions

Name	Description	Role
extendedsearch-search-externalfile	Search for external files	accountmanager, admin, author, bot, commenter, editor, maintenanceadmin, reader, reviewer, structuremanager
extendedsearch-search-repofile	Search for files	accountmanager, admin, author, bot, commenter, editor, maintenanceadmin, reader, reviewer, structuremanager
extendedsearch-search-specialpage	Search for special pages	accountmanager, admin, author, bot, commenter, editor, maintenanceadmin, reader, reviewer, structuremanager
extendedsearch-search-wikipage	Search for pages	accountmanager, admin, author, bot, commenter, editor, maintenanceadmin, reader, reviewer, structuremanager

Configuration

Name	Value
ESAllowIndexingDocumentsWithoutContent	true
ESAutoRecognizeSubpages	true
ESAutoSetLangFilter	false
ESBackendClass	'\\BS\\ExtendedSearch\\Backend'

Name	Value
ESBackendHost	'127.0.0.1'
ESBackendPort	'9200'
ESBackendTransport	'http'
ESCompactAutocomplete	false
ESDefaultSearchOperator	'AND'
ESEnableSearchHistoryTracking	true
ESEnableTypeFilter	true
ESExternalFilePaths	array ()
ESLookupModifierRegExPatterns	array (0 => '[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{4}', 1 => '[0-9]{4}\\\\[0-9]{2}\\\\[0-9]{2}', 2 => '[0-9]{2}\\\\[0-9]{4}\\\\[0-9]{2}', 3 => '[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{4}', 4 => '[0-9]{4}\\\\[0-9]{2}\\\\[0-9]{2}', 5 => '[0-9]{2}\\\\[0-9]{4}\\\\[0-9]{2}', 6 => '[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{4}', 7 => '[0-9]{4}\\\\[0-9]{2}\\\\[0-9]{2}', 8 => '[0-9]{2}\\\\[0-9]{4}\\\\[0-9]{2}', 9 => '[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{4}', 10 => '[0-9]{4}\\\\[0-9]{2}\\\\[0-9]{2}', 11 => '[0-9]{2}\\\\[0-9]{4}\\\\[0-9]{2}', 12 => '[0-9]{1}\\\\[0-9]{2}\\\\[0-9]{4}', 13 => '[0-9]{4}\\\\[0-9]{2}\\\\[0-9]{1}', 14 => '[0-9]{1}\\\\[0-9]{4}\\\\[0-9]{2}', 15 => '[0-9]{4}\\\\[0-9]{1}\\\\[0-9]{2}', 16 => '[0-9]{2}\\\\[0-9]{4}\\\\[0-9]{1}', 17 => '[0-9]{2}\\\\[0-9]{1}\\\\[0-9]{4}', 18 => '[0-9]{1}\\\\[0-9]{2}\\\\[0-9]{4}', 19 => '[0-9]{4}\\\\[0-9]{2}\\\\[0-9]{1}', 20 => '[0-9]{1}\\\\[0-9]{4}\\\\[0-9]{2}', 21 => '[0-9]{4}\\\\[0-9]{1}\\\\[0-9]{2}', 22 => '[0-9]{2}\\\\[0-9]{4}\\\\[0-9]{1}', 23 => '[0-9]{2}\\\\[0-9]{1}\\\\[0-9]{4}', 24 => '[0-9]{1}\\\\[0-9]{2}\\\\[0-9]{4}', 25 => '[0-9]{4}\\\\[0-9]{2}\\\\[0-9]{1}', 26 => '[0-9]{1}\\\\[0-9]{4}\\\\[0-9]{2}', 27 => '[0-9]{4}\\\\[0-9]{1}\\\\[0-9]{2}', 28 => '[0-9]{2}\\\\[0-9]{4}\\\\[0-9]{1}', 29 => '[0-9]{2}\\\\[0-9]{1}\\\\[0-9]{4}', 30 => '[0-9]{1}\\\\[0-9]{2}\\\\[0-9]{4}', 31 => '[0-9]{4}\\\\[0-9]{2}\\\\[0-9]{1}', 32 => '[0-9]{1}\\\\[0-9]{4}\\\\[0-9]{2}', 33 => '[0-9]{4}\\\\[0-9]{1}\\\\[0-9]{2}', 34 => '[0-9]{2}\\\\[0-9]{4}\\\\[0-9]{1}', 35 => '[0-9]{2}\\\\[0-9]{1}\\\\[0-9]{4}', 36 => '[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{2}', 37 => '[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{2}', 38 => '[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{2}', 39 => '[0-9]{2}\\\\[0-9]{2}\\\\[0-9]{2}', 40 => '[0-9]{1}\\\\[0-9]{1}\\\\[0-9]{4}', 41 => '[0-9]{4}\\\\[0-9]{1}\\\\[0-9]{1}', 42 => '[0-9]{1}\\\\[0-9]{4}\\\\[0-9]{1}', 43 => '[0-9]{1}\\\\[0-9]{1}\\\\[0-9]{4}', 44 => '[0-9]{4}\\\\[0-9]{1}\\\\[0-9]{1}\\\\[0-9]{4}')

Name	Value
	[0-9]{1}\ [0-9]{1}', 45 => '[0-9]{1}\ [0-9]{4}\ [0-9]{1}', 46 => '[0-9]{1}\ [0-9]{1}\ [0-9]{4}', 47 => '[0-9]{4}\ [0-9]{1}\ [0-9]{1}', 48 => '[0-9]{1}\ [0-9]{4}\ [0-9]{1}', 49 => '[0-9]{1}\ [0-9]{1}\ [0-9]{4}', 50 => '[0-9]{4}\ [0-9]{1}\ [0-9]{1}', 51 => '[0-9]{1}\ [0-9]{4}\ [0-9]{1}', 52 => '[0-9]{1}\ [0-9]{1}\ [0-9]{2}', 53 => '[0-9]{2}\ [0-9]{1}\ [0-9]{1}', 54 => '[0-9]{1}\ [0-9]{2}\ [0-9]{1}', 55 => '[0-9]{1}\ [0-9]{1}\ [0-9]{2}', 56 => '[0-9]{2}\ [0-9]{1}\ [0-9]{1}', 57 => '[0-9]{1}\ [0-9]{2}\ [0-9]{1}', 58 => '[0-9]{1}\ [0-9]{1}\ [0-9]{2}', 59 => '[0-9]{2}\ [0-9]{1}\ [0-9]{1}', 60 => '[0-9]{1}\ [0-9]{2}\ [0-9]{1}', 61 => '[0-9]{1}\ [0-9]{1}\ [0-9]{2}', 62 => '[0-9]{2}\ [0-9]{1}\ [0-9]{1}', 63 => '[0-9]{1}\ [0-9]{2}\ [0-9]{1}', 64 => '[0-9]{2}\ [0-9]{4}', 65 => '[0-9]{2}\ [0-9]{4}', 66 => '[0-9]{2}\ [0-9]{4}', 67 => '[0-9]{2}\ [0-9]{4}', 68 => '[0-9]{4}\ [0-9]{2}', 69 => '[0-9]{4}\ [0-9]{2}', 70 => '[0-9]{4}\ [0-9]{2}', 71 => '[0-9]{4}\ [0-9]{2}', 72 => '[0-9]{2}\ [0-9]{2}', 73 => '[0-9]{2}\ [0-9]{2}', 74 => '[0-9]{2}\ [0-9]{2}', 75 => '[0-9]{2}\ [0-9]{2}',)
ESMatchPercentBoostFactor	'0.5'
ESMatchPercentTitleField	"
ESOfferOperatorSuggestion	true
ESRecentBoostFactor	'0.5'
ESSearchCenterDefaultFilters	array (0 => 'namespace_text', 1 => 'categories',)
ESSearchInRawWikitext	true
ESSourceConfig	array ('wikipage' => array ('skip_namespaces' => array (0 => 8, 1 => 9,),), 'repofile' => array ('extension_blacklist' => array (0 => 'mp4',), 'max_size' => 20000000,), 'externalfile' => array ('extension_blacklist' => array (0 => 'mp4',), 'max_size' => 20000000,),)
ESWildcardingOperators	array (0 => '+', 1 => ' ', 2 => '*', 3 => '(', 4 => ')', 5 => '~',)
ESWildcardingSeparators	array (0 => ',', 1 => '.', 2 => ';', 3 => '-', 4 => '_',)
ExtendedSearchExternalFilePathsExcludes	array ()

Name	Value
TagSearchSearchFieldTemplatePath	'/resources/templates'

API Modules

- [bs-extendedsearch-autocomplete](#)
- [bs-extendedsearch-query](#)
- [bs-extendedsearch-resultrelevance](#)
- [bs-extendedsearch-stats](#)
- [bs-extendedsearch-triggerupdate](#)
- [bs-extendedsearch-type-store](#)

Hooks

- [BSInsertMagicAjaxGetData](#)
- [BSUEModulePDFBeforeCreatePDF](#)
- [BeforePageDisplay](#)
- [GetPreferences](#)
- [LoadExtensionSchemaUpdates](#)
- [NamespaceManager::editNamespace](#)
- [ResourceLoaderTestModules](#)
- [SkinTemplateOutputPageBeforeExec](#)

Reference:Bookshelf

Redirect to:

- [Reference:BlueSpiceBookshelf](#)

Reference:Social

Redirect to:

- [Reference:BlueSpiceSocial](#)

Installing PhantomJS

A [quality version](#) of this page, [approved](#) on *29 November 2019*, was based off this revision.

Contents

1 Download	11
2 Installation	11
3 Completing the system preparation	11



PhantomJS is a so-called headless browser that can render screenshots of web pages. This is required for the web page preview in Advanced Search and the Recent Changes Overview in your BlueSpice installation. These are functionalities of BlueSpice pro. For this purpose, the steps listed here are required.



In this documentation, we use PhantomJS version 2.1.1. This is just an example of the latest version that you can download at the time of installation.

Download

Go to the [download page of PhantomJS](#) and download the 64-bit version for Linux. Transfer the file to your server.

Installation

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

```
chown root:staff /usr/local/bin/phantomjs; \
chmod +x /usr/local/bin/phantomjs
```

Completing the system preparation

If you have completed all steps successfully, you can now continue with [installing BlueSpice](#).

Installing and configuring PhantomJS on Windows

A [quality version](#) of this page, [approved](#) on *12 October 2020*, was based off this revision.

Contents

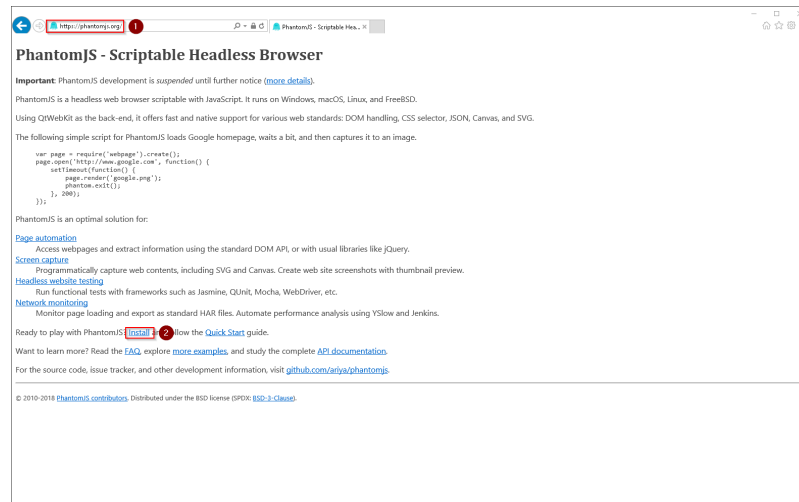
1 Downloads	13
2 Installing PhantomJS	14
3 Configuring BlueSpice	14
4 Finishing the system preparation	14



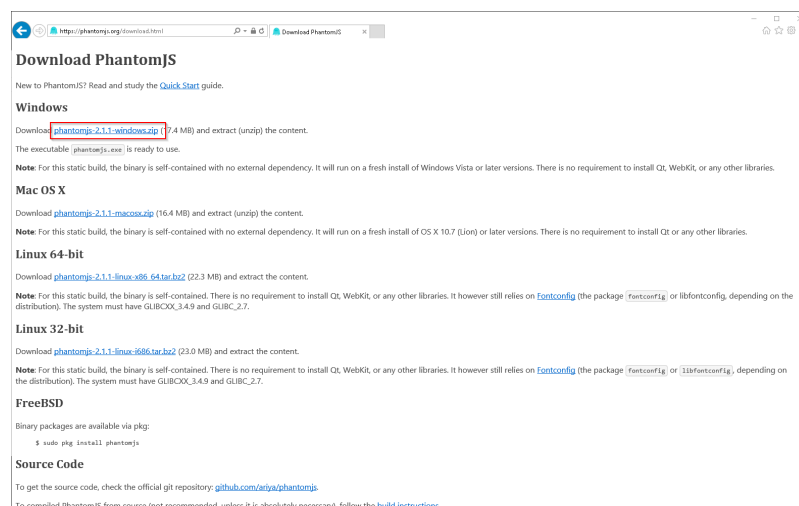
PhantomJS is a so-called headless browser that can render screenshots of web pages. This is required for the web page preview in Advanced Search and the Recent Changes Overview in your BlueSpice installation. These are functionalities of BlueSpice pro. For this purpose, the steps listed here are required for BlueSpice pro.

Downloads

In Internet Explorer, open the [official website of the project](http://phantomjs.org) (1). Click "Install" (2).



Download the appropriate ZIP archive for Windows.



Please note that the download on your Windows Server with Internet Explorer will only work if you have configured the Internet Explorer Advanced Security Settings in the Server Manager. Please refer to the technical documentation from Microsoft.



In this guide, we use PhantomJS version 2.1.1 as an example. You can download the latest version at the time of installation.

Installing PhantomJS

PhantomJS does not need to go through a setup process. Unpack the downloaded ZIP archive. In the folder `phantomjs-3.1.1-windows\bin` you will find the executable file `phantomjs.exe`.

Simply move it to `C:\bluespice\bin`.

{{Template:Hint|text=This guide is based on the folder structure recommended by us [[Setup: Installation Guide/Advanced/Windows Folder Structure|recommended by us]]. For this reason, the default path to the folder `C:\bluespice\bin` is set here. If you have other requirements, you must adapt these paths accordingly.}}

Configuring BlueSpice

BlueSpice must have knowledge of the location of `phantomjs.exe`. After the BlueSpice installation, proceed as follows:

1. Open the folder of your BlueSpice installation
2. Switch to the subfolder `settings.d`
3. In this subfolder, create a new file named `090-PhantomJS.php`
4. Fill this file with the following content:

```
<?php
$bsgArticlePreviewCapturePhantomJSExecutable = "C:\\bluespice\\bin\\phantomjs.exe";
```

Finishing the system preparation

If you have completed all steps successfully, you can now continue with [installing BlueSpice](#).