Contents

Setup:Installation Guide/System Preparation/Linux/Parsoid

A quality version of this page, approved on *27 October 2021*, was based off this revision.

Contents

Parsoid is the rendering service for the Visual Editor. The steps listed here are optional and only required if you plan to use them in your BlueSpice installation. After your BlueSpice Installation, you still have to activate VisualEditor.

Installation

Important! Please make sure to use the correct version of Parsoid during installation. The currently supported version is Parsoid 0.10.0.

The installation from package sources of the distribution will be omitted. Parsoid is installed under /opt. Go there with the following command:

```
cd /opt
```

To download Parsoid, the software "git" must be installed(`apt install git`). Start the download with:

```
git clone --depth 1 --branch v0.10.0 https://gerrit.wikimedia.org/r/p/mediawiki
/services/parsoid parsoid
```

Install Parsoid with the following commands:

```
cd parsoid; \
npm install
```

Create the configuration file

In the BlueSpice codebase, you can find two files in the folder `extensions/BlueSpiceVisualEditorConnector/docs/parsoid`:

- config.yaml
- localsettings.js

Copy them to the folder `/opt/parsoid`.

Parsoid is already fully configured and should work in standard setup without further changes.

If rights are missing, run "sudo nautilus" in the terminal and copy the files from "extensions/BlueSpiceVisualEditorConnector/docs/parsoid" to "/opt/parsoid".

Installing Parsoid and checking the configuration

To test the installation and the configuration, run the command `node bin/server.js` in the `/opt/parsoid` folder.

Parsoid should now start without an error message.

Quit Parsoid by pressing "Ctrl+C". Keep the command prompt open and go to the next step.

Installing Parsoid as a service

To run Parsoid in the background in the future, you must additionally install pm2 via Node.js:

```
npm install -g pm2
```

Then start Parsoid via pm2:

```
pm2 start /opt/parsoid/bin/server.js
```

Now save the pm2 process list — this adds parsoid to the pm2 services:

```
pm2 save
```

Finally, add pm2 to the system startup:

```
# Render startup-script for a specific platform, the [platform] could be one of:
#   ubuntu|centos|redhat|gentoo|systemd|darwin|amazon
pm2 startup [platform]
```

Next Step

If you have completed all steps successfully, you can proceed to the next step " Python".

VisualEditor configuration

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Parsoid is the rendering service for VisualEditor. Make sure to install and configure Parsoid before configuring VisualEditor. See the instructions for Windows and Linux.

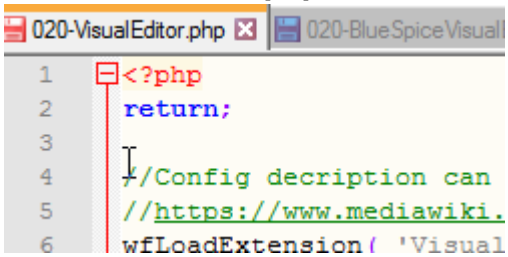
Contents

Server settings

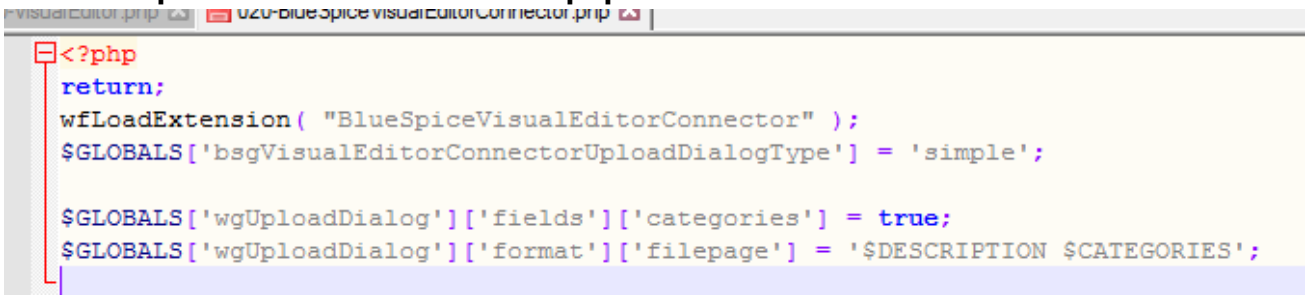
Before you can use VisualEditor in BlueSpice, you have to activate it in your installation:

In the BlueSpice installation directory, locate the following files inside the folder „var\www\settings.d“:

020-VisualEditor.php:



020-BlueSpiceVisualEditorConnector.php:

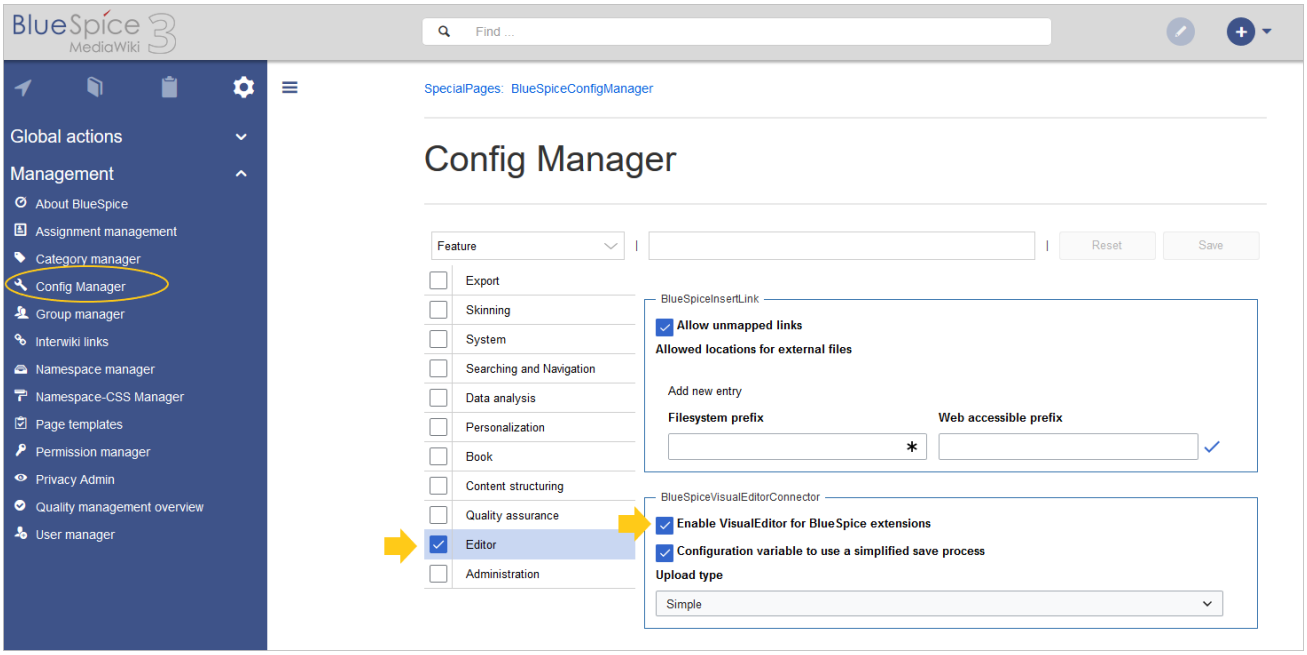


1. Remove the line containing the „return;“ command in both files and save them.
2. Restart your web server (recommended).

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:

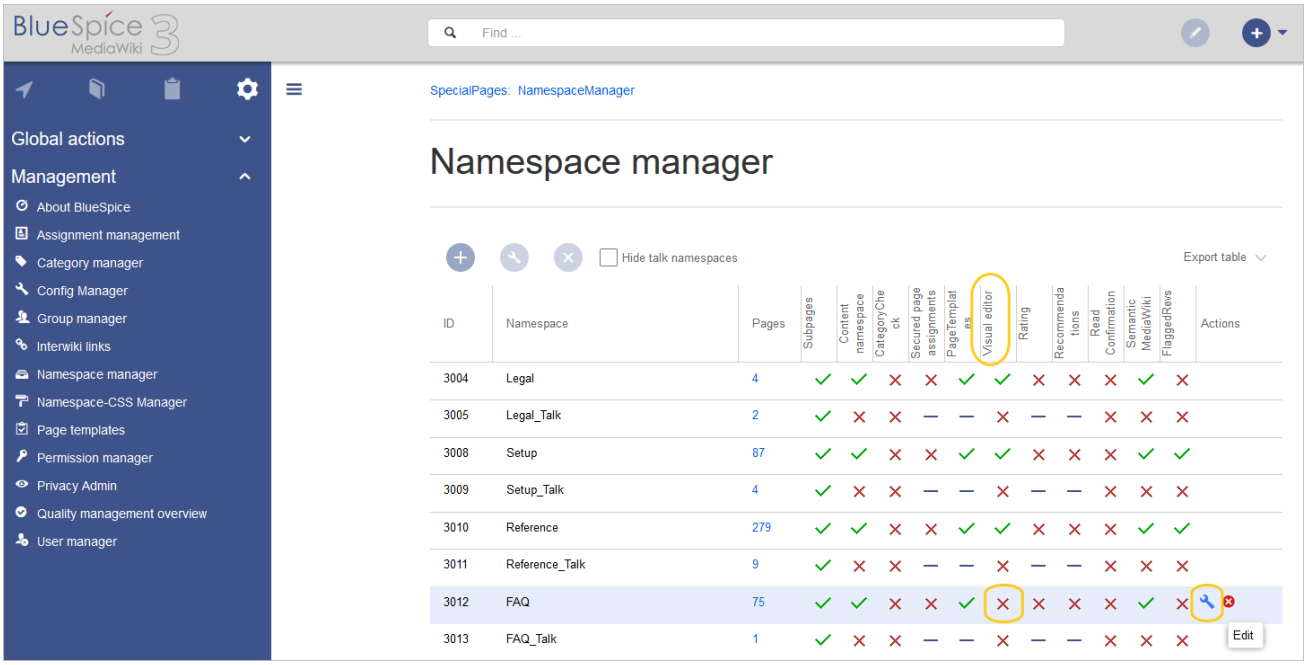
1. Go to *Global actions > Config manager*
2. Make sure the checkbox "Enable VisualEditor for BlueSpice extensions" is activated:



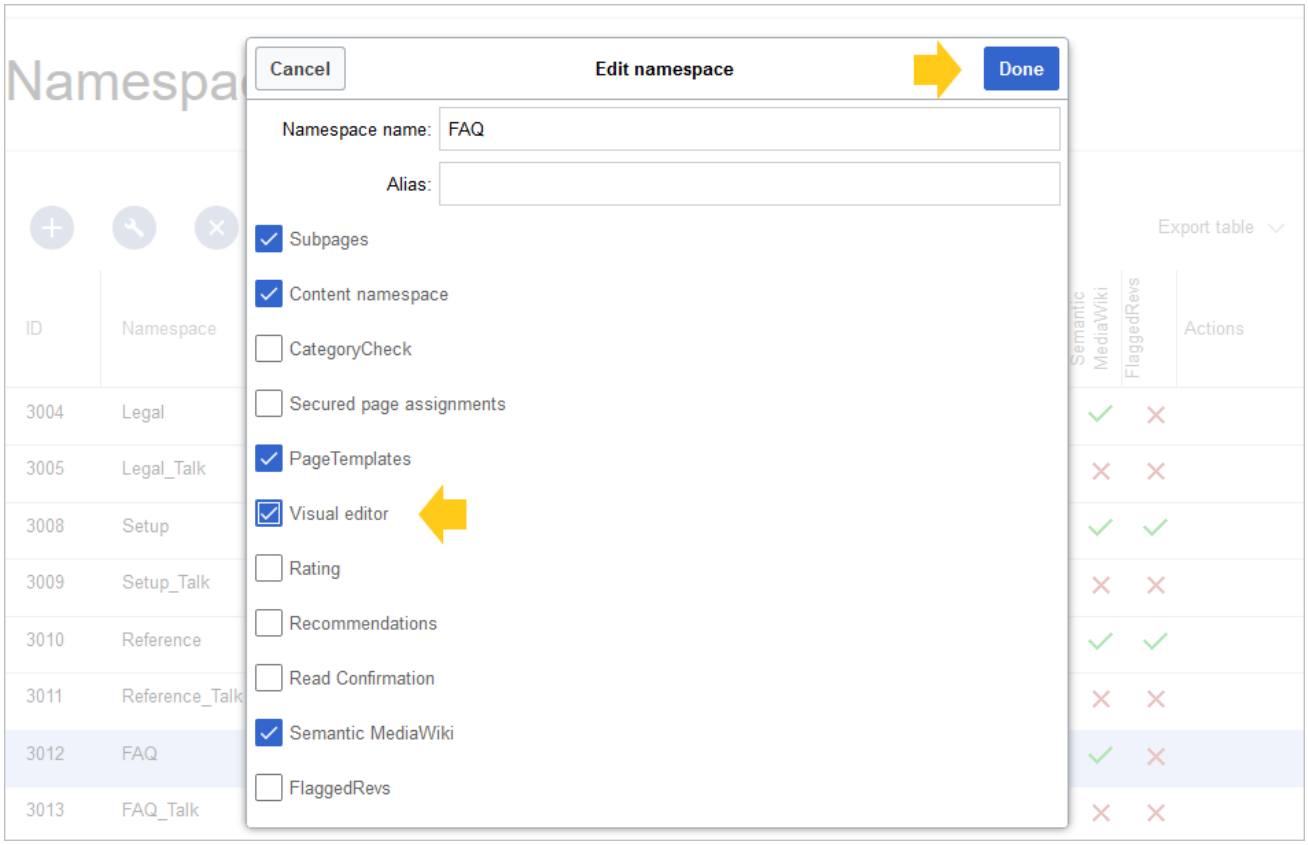
By default, VisualEditor is only activated in the main (Pages) and the User namespaces.

Activating VisualEditor for a namespace

1. Go to Global actions > Namespace manager In the column "VisualEditor", you can see which namespaces have VisualEditor activated. They have a green check mark.
2. Click the wrench icon in the "Actions" column. The wrench appears, when you hover over the row of the namespace:



1. Activate the checkbox for VisualEditor in the dialog window and click "Done":

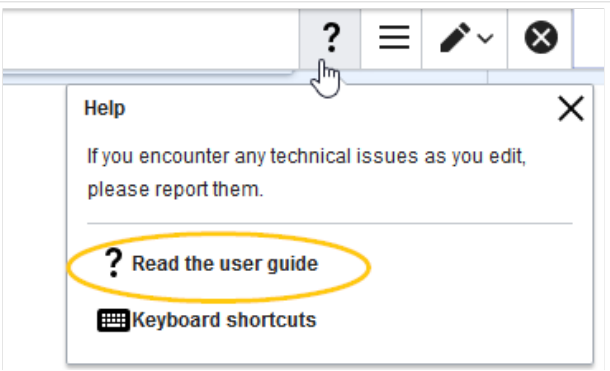


1. Refresh the Namespace manager page (F5) to confirm the change.

VisualEditor should now be working correctly in all namespaces that actively use it.

Customizing the link to the help pages

By default, the help link for VisualEditor links to the help page for VisualEditor on the BlueSpice helpdesk.



VisualEditor help link

The link can be changed to go to a custom URL:

To configure the url, add:

```
`$GLOBALS['bsgVisualEditorConnectorHelpUrl'] = 'https://your_url';`
```

to 'LocalSettings.php' or the appropriate config file.

Installing Python on Linux

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Contents

Python is required to render the MediaWiki extension "SyntaxHighlight", which is part of BlueSpice. The steps listed here are required.

Installation

Install Python via Aptitude:

```
apt-get update; \
apt-get -y install python3; \
apt-get clean
```

Next step

If you have successfully completed all steps, you can proceed to the next step " Memcached".