

Contents

1. Setup:Installation Guide/Advanced/VisualEditor Configuration	2
2. Setup:Installation Guide/System Preparation/Linux/Parsoid	6
3. Setup:Installation Guide/System Preparation/Windows/Parsoid	8

Setup:Installation Guide/Advanced/VisualEditor Configuration

A [quality version](#) of this page, [approved](#) on *21 October 2020*, was based off this revision.



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

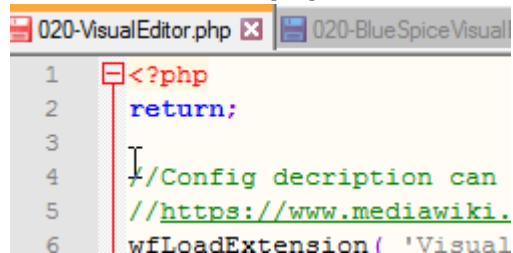
1 Server settings	3
2 Checking the Configuration manager	3
3 Activating VisualEditor for a namespace	4
4 Customizing the link to the help pages	5

Server settings

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

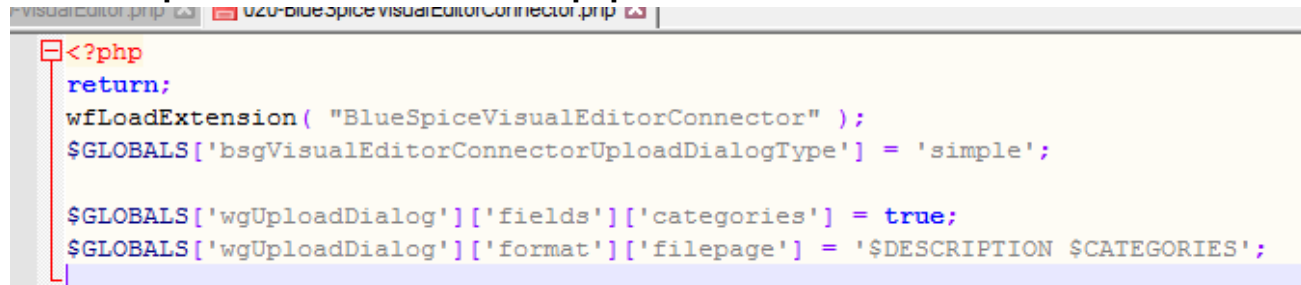
In the BlueSpice installation directory, locate the following files inside the folder „var\www\settings.d“:

020-VisualEditor.php:



```
1 <?php
2 return;
3
4 //Config decription can
5 //https://www.mediawiki.
6 wfLoadExtension( 'Visual
```

020-BlueSpiceVisualEditorConnector.php:



```
<?php
return;
wfLoadExtension( "BlueSpiceVisualEditorConnector" );
$GLOBALS['bsgVisualEditorConnectorUploadDialogType'] = 'simple';

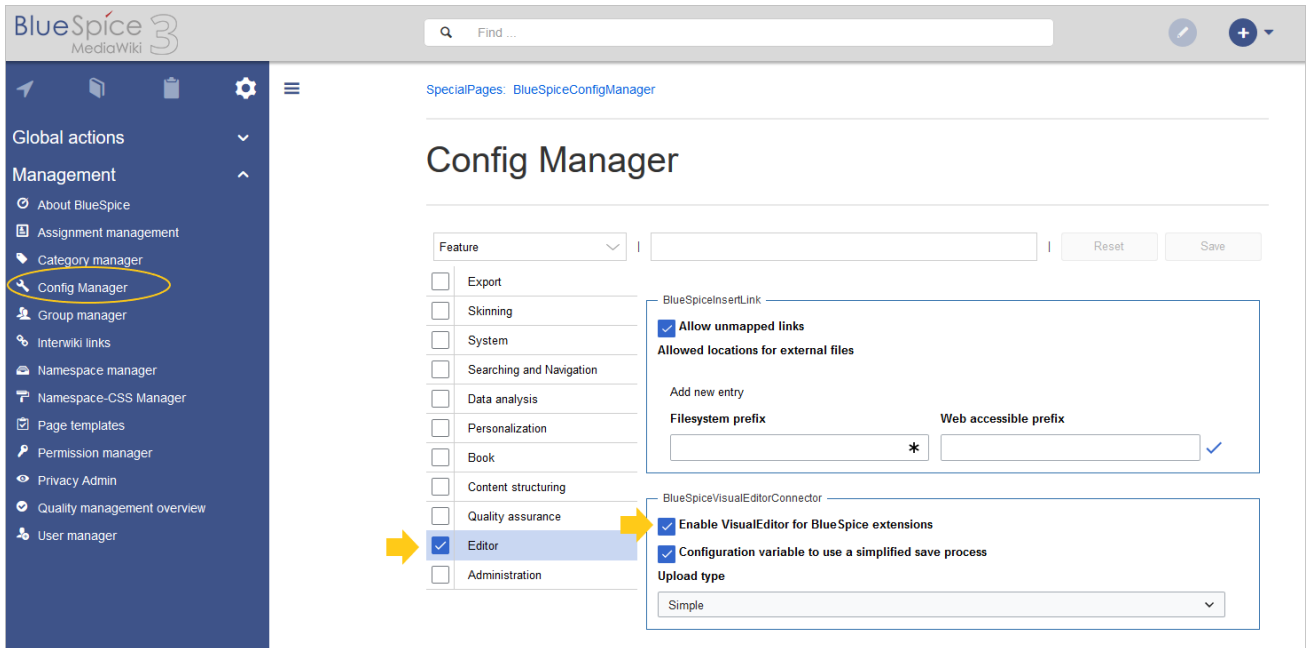
$GLOBALS['wgUploadDialog']['fields']['categories'] = true;
$GLOBALS['wgUploadDialog']['format']['filepage'] = '$DESCRIPTION $CATEGORIES';
```

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:

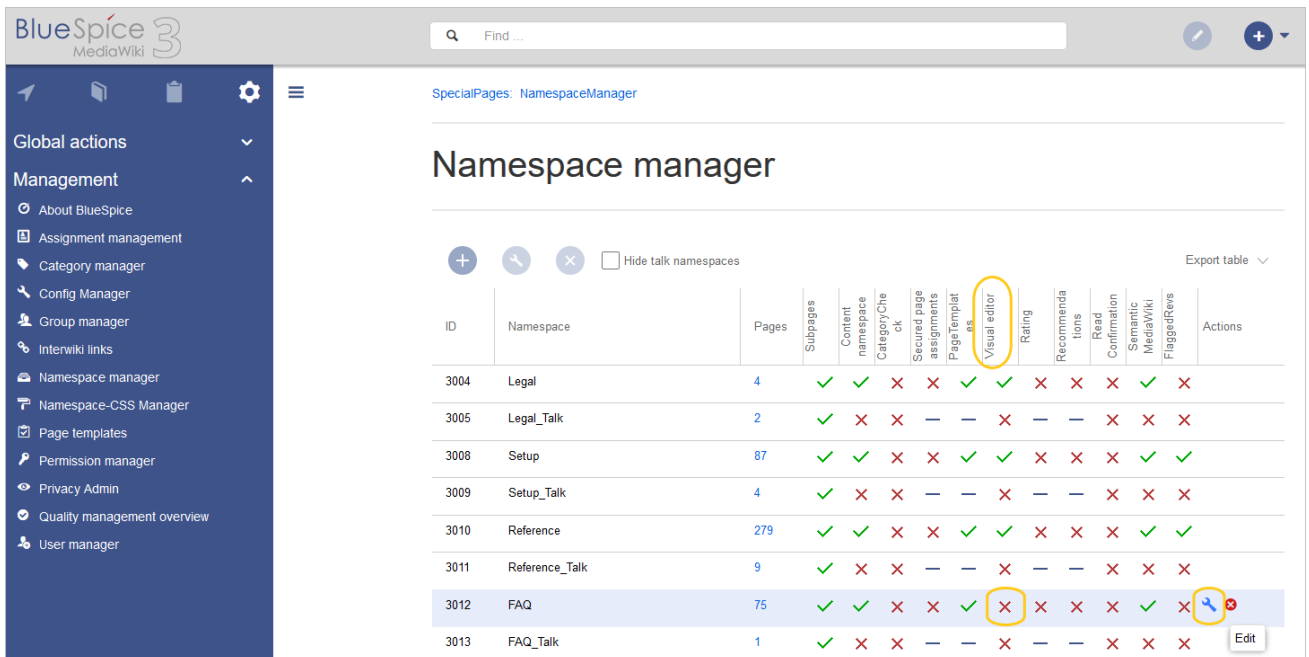
1. Go to *Global actions > Config manager*
2. Make sure the checkbox "Enable VisualEditor for BlueSpice extensions" is activated:



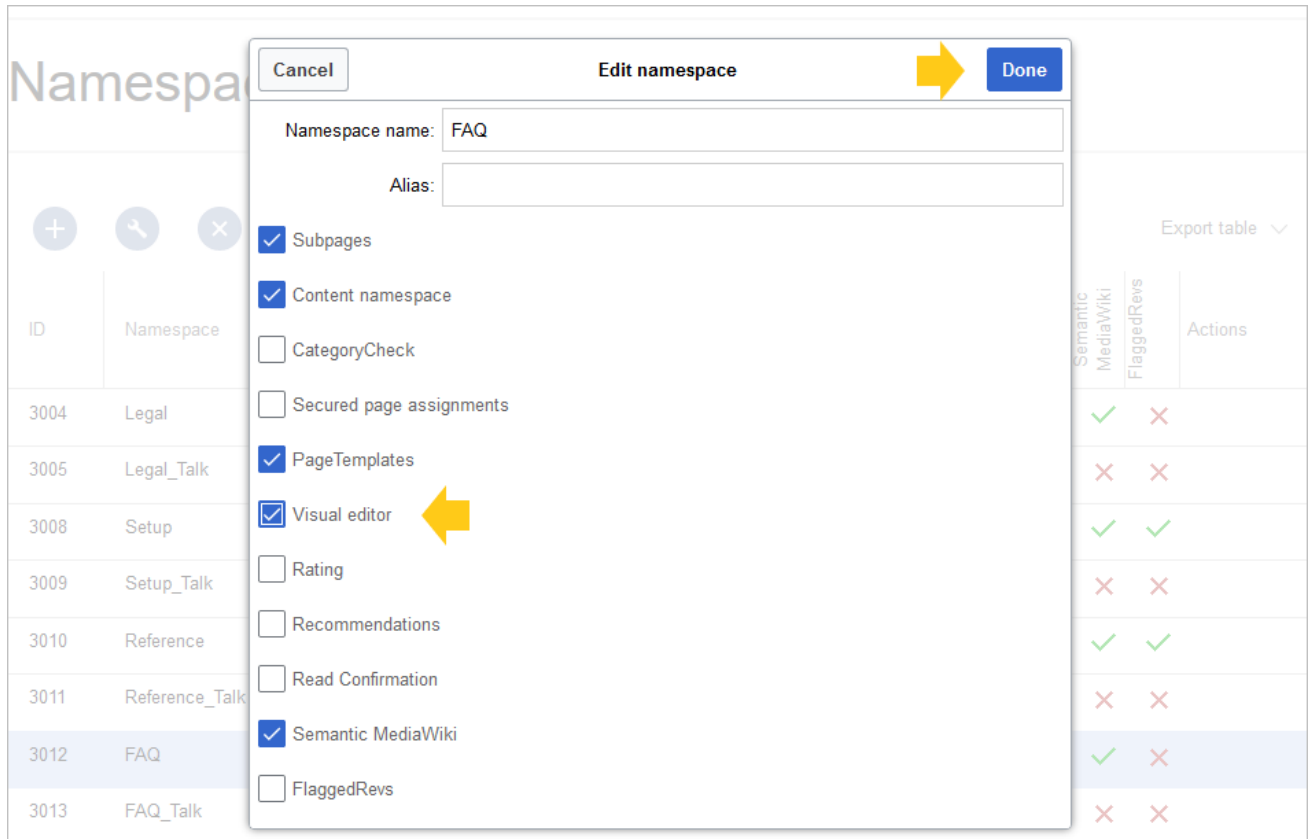
By default, VisualEditor is only activated in the main (Pages) and the User namespaces.

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":

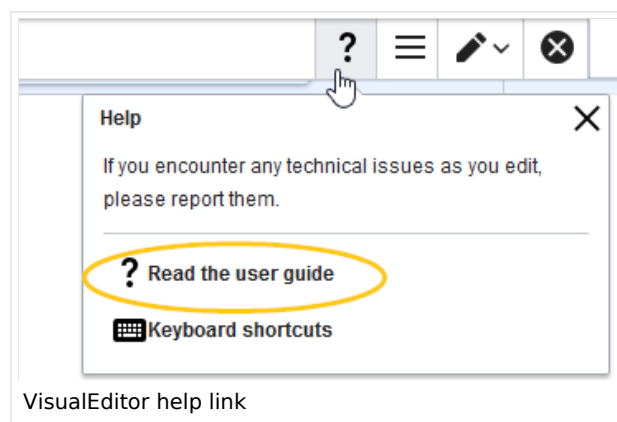


1. Refresh the Namespace manager page (F5) to confirm the change.

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 Parsoid on Linux

A [quality version](#) of this page, [approved](#) on *27 October 2021*, was based off this revision.

Contents

1	Installation	7
2	Create the configuration file	7
3	Installing Parsoid and checking the configuration	8
4	Installing Parsoid as a service	8
5	Next Step	8



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](#)".

Installing Parsoid on Windows

A [quality version](#) of this page, [approved](#) on *4 November 2021*, was based off this revision.

Contents

1 Installing Parsoid	10
2 Creating the configuration file	11
3 Parsoid installation and configuration check	11
4 Installation as a service	12
5 Next step	15



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

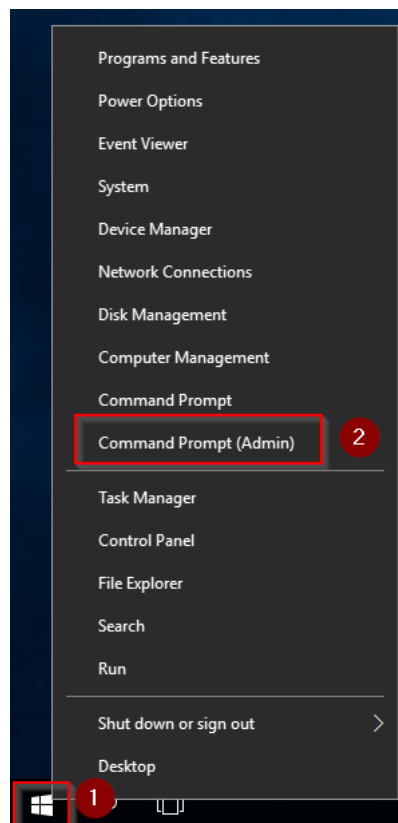


For the installation and operation of Parsoid, [Git](#) and [Node.js](#) are required. If you have not installed them yet, follow the links that are provided here.

Installing Parsoid

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

1. First, open the Windows Command Prompt as administrator. To do this, right-click "Start" (1) and select "Command Prompt (Administrator)" (2):



2. Change into the directory `C:\bluespice\bin\npm\node_modules` and execute the command:

```
npm install --global parsoid
```

3. Change into the parsoid directory C:\bluespice\bin\npm\node_modules\parsoid:

```
cd parsoid
```

4. Execute the command:

```
npm install
```

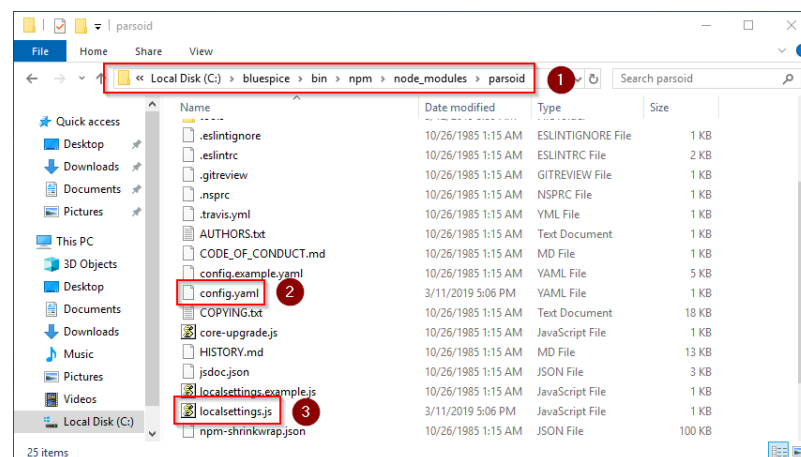
Keep the command prompt open and complete the next steps.

Creating the configuration file

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

- `config.yaml`
- `localsettings.js`

Copy them into the folder C:\bluespice\bin\npm\node_modules\parsoid\.

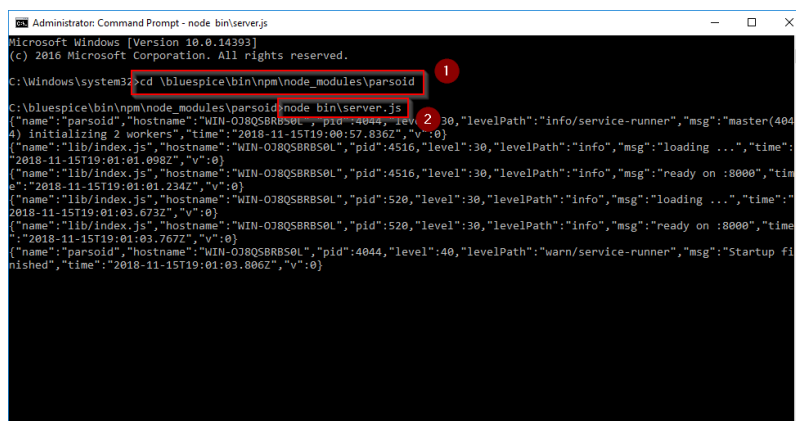


This provides an already finished configuration of Parsoid, which should work in the standard setup without further adjustments.

Parsoid installation and configuration check

To test the installation and configuration, go back to the command prompt.

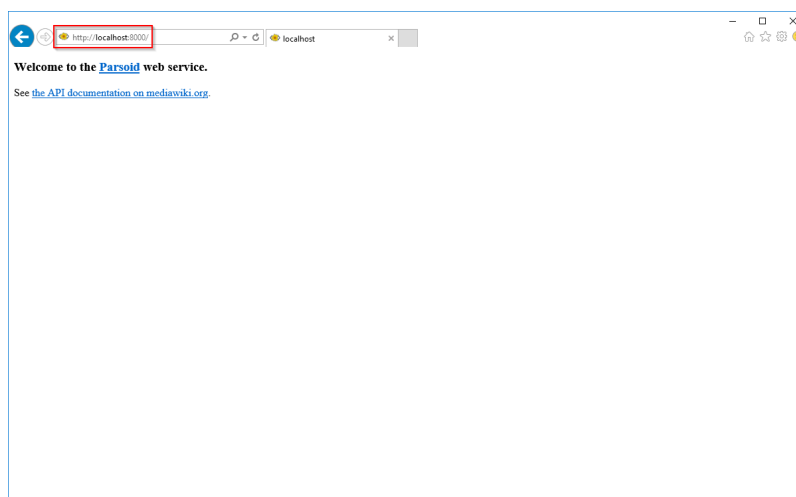
Change into the directory `C:\bluespice\bin\npm\node_modules\parsoid` (1) and start the service with the command `"node bin\server.js"` (2):



```
Administrator: Command Prompt - node bin\server.js
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd \bluespice\bin\npm\node_modules\parsoid
C:\bluespice\bin\npm\node_modules\parsoid>node bin\server.js
{"name":"parsoid","hostname":"WIN-038Q5BRB50L","pid":4944,"level":30,"levelPath":"info/service-runner","msg":"master(404) initializing 2 workers","time":"2018-11-15T19:00:57.836Z","v":0}
{"name":"lib/index.js","hostname":"WIN-038Q5BRB50L","pid":4516,"level":30,"levelPath":"info","msg":"loading ...","time":"2018-11-15T19:01:01.098Z","v":0}
{"name":"lib/index.js","hostname":"WIN-038Q5BRB50L","pid":4516,"level":30,"levelPath":"info","msg":"ready on :8000","time":"2018-11-15T19:01:01.234Z","v":0}
{"name":"lib/index.js","hostname":"WIN-038Q5BRB50L","pid":520,"level":30,"levelPath":"info","msg":"loading ...","time":"2018-11-15T19:01:03.673Z","v":0}
{"name":"lib/index.js","hostname":"WIN-038Q5BRB50L","pid":520,"level":30,"levelPath":"info","msg":"ready on :8000","time":"2018-11-15T19:01:03.767Z","v":0}
{"name":"parsoid","hostname":"WIN-038Q5BRB50L","pid":4044,"level":40,"levelPath":"warn/service-runner","msg":"Startup finished","time":"2018-11-15T19:01:03.806Z","v":0}
```

The service should now start without an error message. For further review, call the URL "<http://localhost:8000>" in Internet Explorer. You should see the following page:



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

Installation as a service

To run Parsoid in the background in the future, you need to install Parsoid in a Windows service. To do this, proceed as follows:

In the command prompt, change to the directory `"C:\bluespice\bin\npm"` (1) and execute the command `"npm install node-windows"` (2):

```
Administrator: Command Prompt
4) initializing 2 workers", "time": "2018-11-15T19:00:57.836Z", "v": 0}
{"name": "lib/index.js", "hostname": "WIN-0J8Q5BRB50L", "pid": 4516, "level": 30, "levelPath": "info", "msg": "loading ...", "time": "2018-11-15T19:01:01.892Z", "v": 0}
{"name": "lib/index.js", "hostname": "WIN-0J8Q5BRB50L", "pid": 4516, "level": 30, "levelPath": "info", "msg": "ready on :8000", "time": "2018-11-15T19:01:01.234Z", "v": 0}
{"name": "lib/index.js", "hostname": "WIN-0J8Q5BRB50L", "pid": 520, "level": 30, "levelPath": "info", "msg": "loading ...", "time": "2018-11-15T19:01:03.673Z", "v": 0}
{"name": "lib/index.js", "hostname": "WIN-0J8Q5BRB50L", "pid": 520, "level": 30, "levelPath": "info", "msg": "ready on :8000", "time": "2018-11-15T19:01:03.767Z", "v": 0}
{"name": "parsoid", "hostname": "WIN-0J8Q5BRB50L", "pid": 4044, "level": 40, "levelPath": "warn/service-runner", "msg": "Startup finished", "time": "2018-11-15T19:01:03.806Z", "v": 0}
{"name": "parsoid", "hostname": "WIN-0J8Q5BRB50L", "pid": 4044, "level": 30, "levelPath": "info/service-runner/master", "msg": "master shutting down, killing workers", "time": "2018-11-15T19:07:38.800Z", "v": 0}
{"name": "parsoid", "hostname": "WIN-0J8Q5BRB50L", "pid": 4044, "level": 30, "levelPath": "info/service-runner/master", "msg": "Exiting master", "time": "2018-11-15T19:07:38.818Z", "v": 0}

C:\bluespice\bin\npm\node_modules\parsoid>cd C:\bluespice\bin\npm
C:\bluespice\bin\npm>npm install node-windows
npm WARN saveError ENOENT: no such file or directory, open 'C:\bluespice\bin\npm\package.json'
npm WARN enoent ENOENT: no such file or directory, open 'C:\bluespice\bin\npm\package.json'
npm WARN npm No description
npm WARN npm No repository field.
npm WARN npm No README data
npm WARN npm No license field.

+ node-windows@0.1.14
added 3 packages from 8 contributors in 9.488s

C:\bluespice\bin\npm>
```

Using a text editor, create the file "C:\bluespice\bin\npm\node_modules\parsoid\ parsoid.service" with the help of [this linked content](#):

```
parsoid.service - Notepad
File Edit Format View Help

var Service = require('node-windows').Service;

// Create a new service object
var svc = new Service({
  name: 'Parsoid Web Service',
  description: 'Parsoid Web Service for MediaWiki',
  script: 'C:\bluespice\bin\npm\node_modules\parsoid\bin\server.js'
});

// Listen for the "install" event, which indicates the
// process is available as a service.
svc.on('install', function() {
  svc.start();
});

svc.install();
```

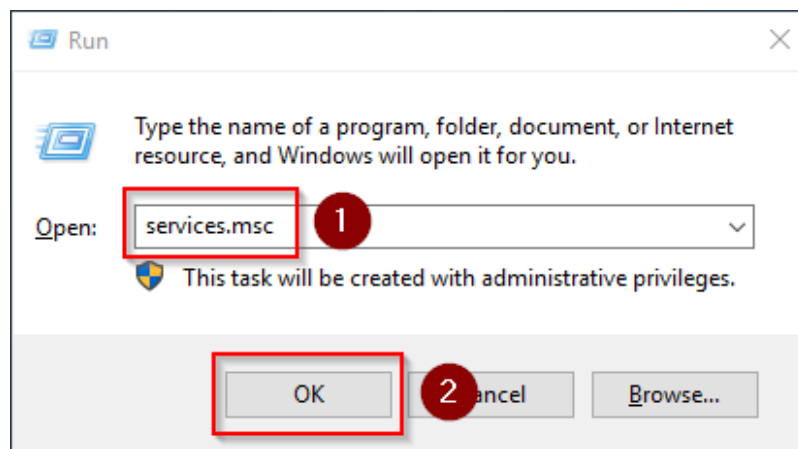
In the command prompt, change into the directory "C:\bluespice\bin\npm\node_modules\parsoid" (1) and execute the command "node parsoid.service" (2):

```
Administrator: Command Prompt
C:\bluespice\bin\npm\node_modules\parsoid>cd C:\bluespice\bin\npm\node_modules\parsoid
C:\bluespice\bin\npm\node_modules\parsoid>node parsoid.service
```

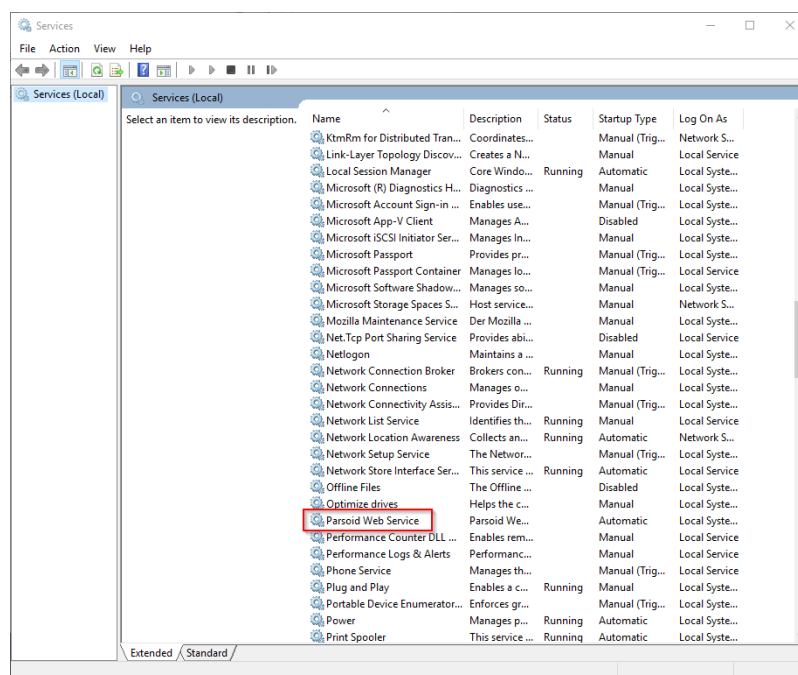
You can now close the command prompt.

Then enter the key combination Windows+R.

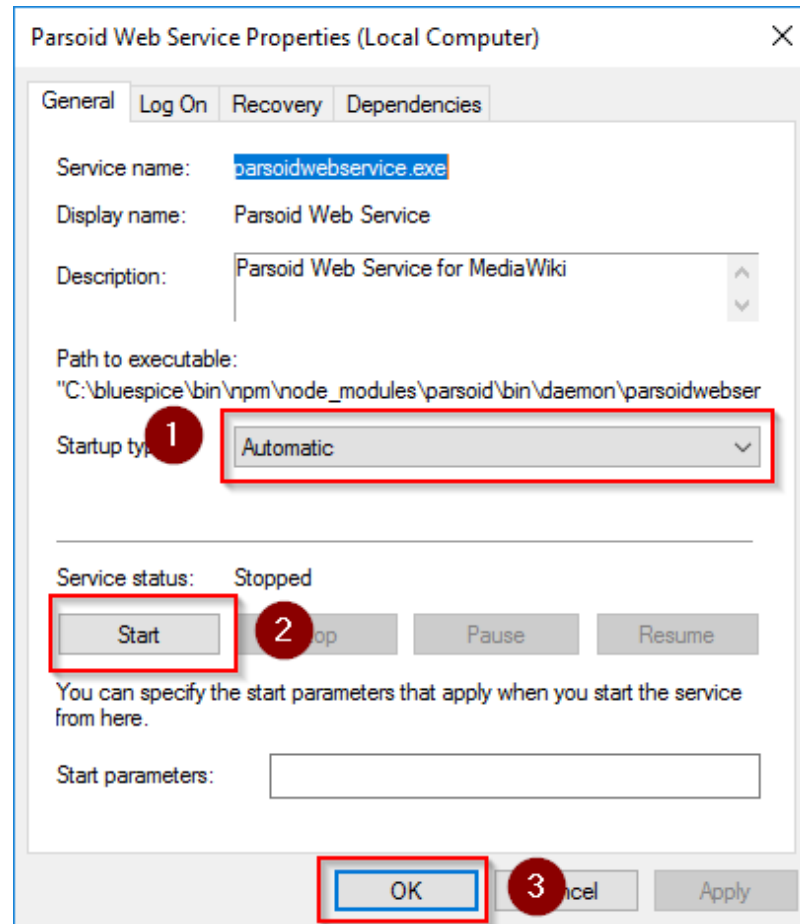
In the following dialog box, enter "services.msc" (1) and confirm with "OK" (2):



Find the service "Parsoid Web Service" and open it with a double-click:



Select the startup type "Automatic" (1) and start the service (2). After the service is started, close the window with "OK" (3):



In Internet Explorer, check the URL "<http://localhost:8000>", as already explained in the previous step, whether the Parsoid service started successfully.

Next step

If you have completed all steps successfully, you can proceed to the next step "[Python](#)".