

## Setup:Installation Guide/System Preparation/Windows/Parsoid

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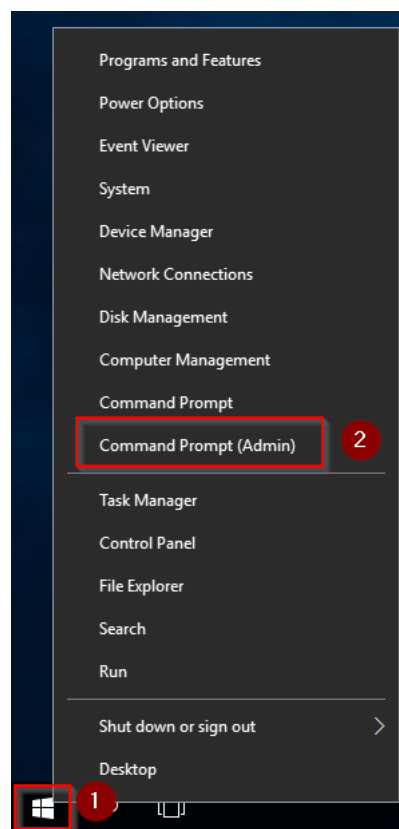
**Parsoid is the rendering service for the Visual Editor. The steps listed here are optional and only required if you want to use Visual Editor in your BlueSpice installation.**



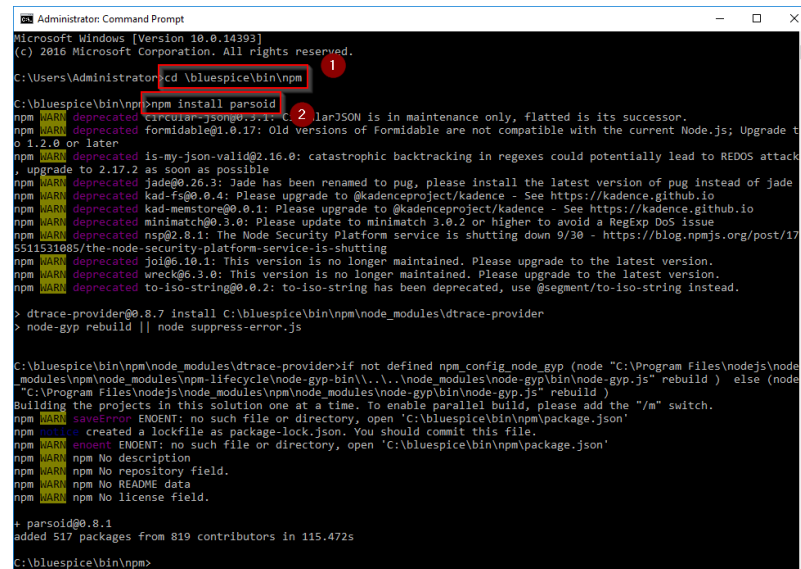
For the installation and operation of Parsoid, [Git](#) and [Node.js](#) are required. If you have not installed them yet, follow the links that are provided here.

## Installing Parsoid

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



Change into the directory C:\bluespice\bin\npm (1) execute the command "npm install parsoid" (2):



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>cd \bluespice\bin\npm 1
C:\bluespice\bin\npm>npm install parsoid 2
npm WARN deprecated circular-json@0.3.1: C 2 larJSON is in maintenance only, flattened is its successor.
npm WARN deprecated formidable@1.0.17: Old versions of Formidable are not compatible with the current Node.js; Upgrade to
  0.1.20 or later
npm WARN deprecated is-my-json-valid@2.16.0: catastrophic backtracking in regexes could potentially lead to REDOS attack
  , upgrade to 2.17.2 as soon as possible
npm WARN deprecated jade@0.26.3: Jade has been renamed to pug, please install the latest version of pug instead of jade
npm WARN deprecated kad-fs@0.0.4: Please upgrade to @kadenceproject/kadence - See https://kadence.github.io
npm WARN deprecated kad-memstore@0.0.1: Please upgrade to @kadenceproject/kadence - See https://kadence.github.io
npm WARN deprecated minimatch@0.3.0: Please update to minimatch 3.0.2 or higher to avoid a Regexp DOS issue
npm WARN deprecated nsp@2.8.1: The Node Security Platform service is shutting down 9/30 - https://blog.npmjs.org/post/17
  5511531085/the-node-security-platform-service-is-shutting
npm WARN deprecated joi@6.10.1: This version is no longer maintained. Please upgrade to the latest version.
npm WARN deprecated wreck@6.3.0: This version is no longer maintained. Please upgrade to the latest version.
npm WARN deprecated to-iso-string@0.0.2: to-iso-string has been deprecated, use @segment/to-iso-string instead.

> dtrace-provider@0.8.7 install C:\bluespice\bin\npm\node_modules\dtrace-provider
> node-gyp rebuild || node suppress-error.js

C:\bluespice\bin\npm\node_modules\dtrace-provider>if not defined npm_config_node_gyp (node "C:\Program Files\nodejs\node
  _modules\npm\node_modules\npm-lifecycle\node-gyp-bin\..\node_modules\node-gyp\bin\node-gyp.js" rebuild ) else (node
  "C:\Program Files\nodejs\node_modules\npm\node_modules\node-gyp\bin\node-gyp.js" rebuild )
Building the projects in this solution one at a time. To enable parallel build, please add the "/m" switch.
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.

+ parsoid@0.8.1
added 517 packages from 819 contributors in 115.472s
C:\bluespice\bin\npm>
```

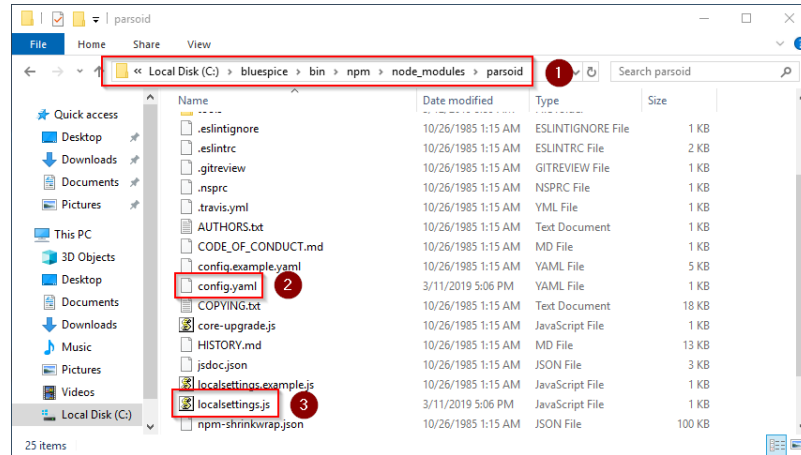
Keep the command prompt open and complete the following step

## 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\`.

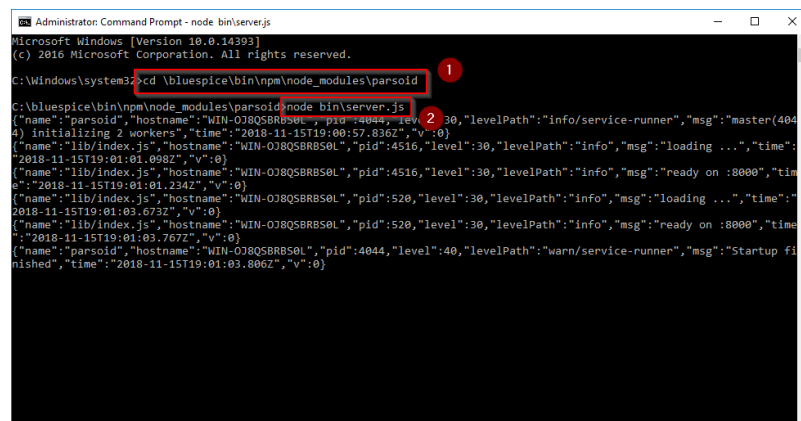


This provides an already finished configuration of Parsoid, which should work in the standard setup without further adjustments.

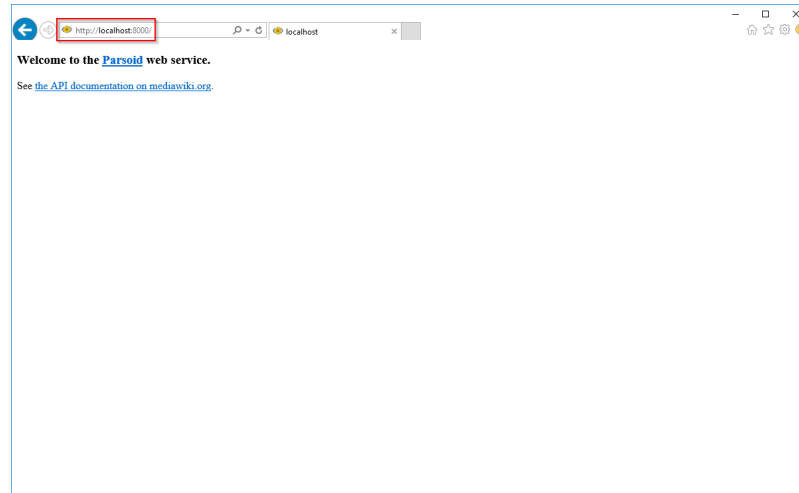
## Parsoid installation and configuration check

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):



The service should now start without an error message. For further review, call the URL "[http://localhost: 8000](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
C:\bluespice\bin\npm>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):

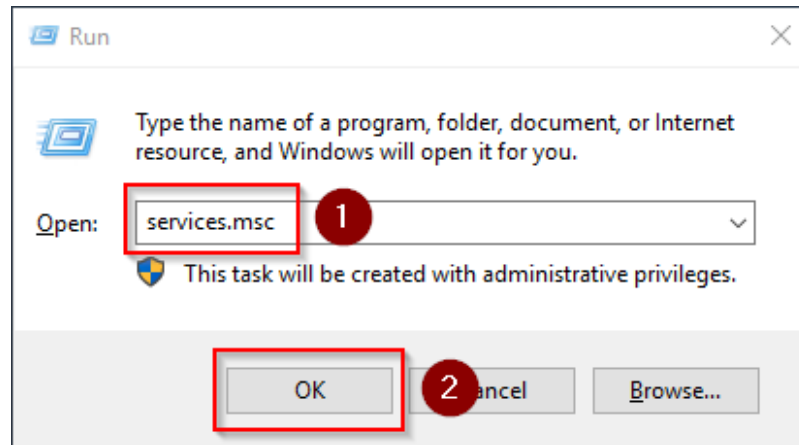
```
Administrator: Command Prompt

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
```

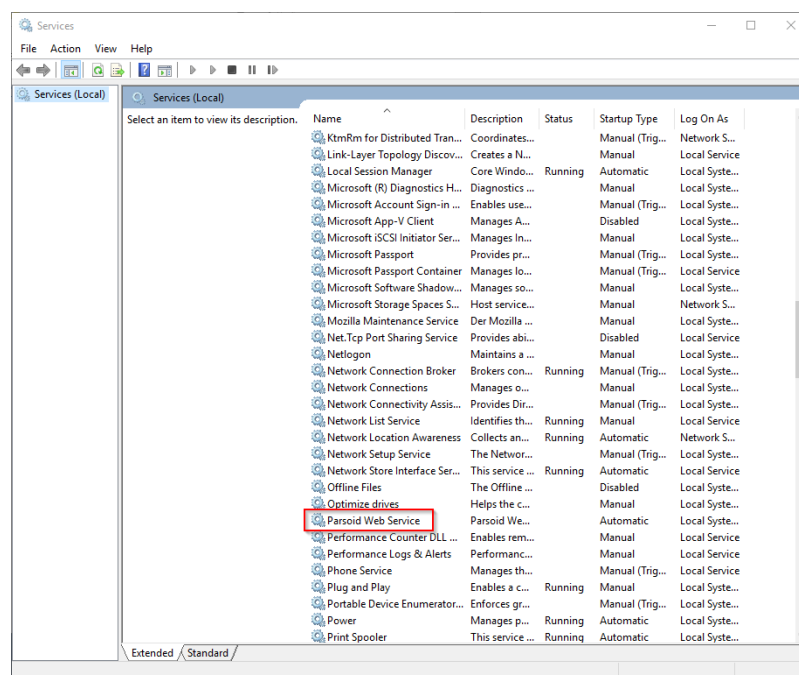
You can now close the command prompt.

Then enter the key combination Windows+R.

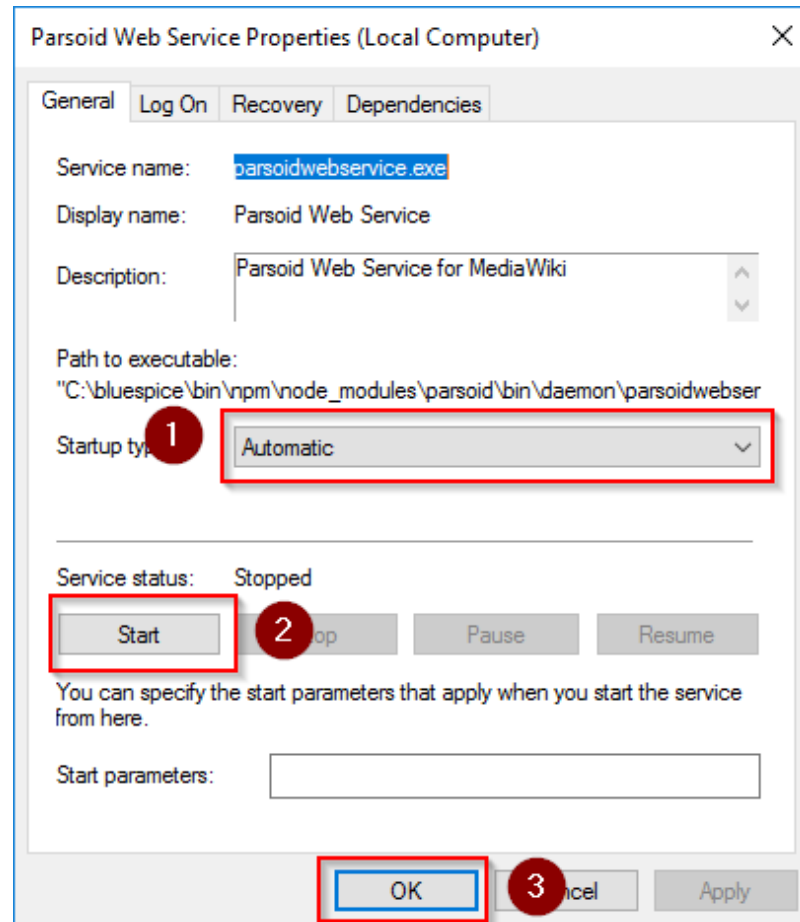
In the following dialog box, enter "services.msc" (1) and confirm with "OK" (2):



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](#)".