

Installation of Visual Editor on Self-hosted Wikis

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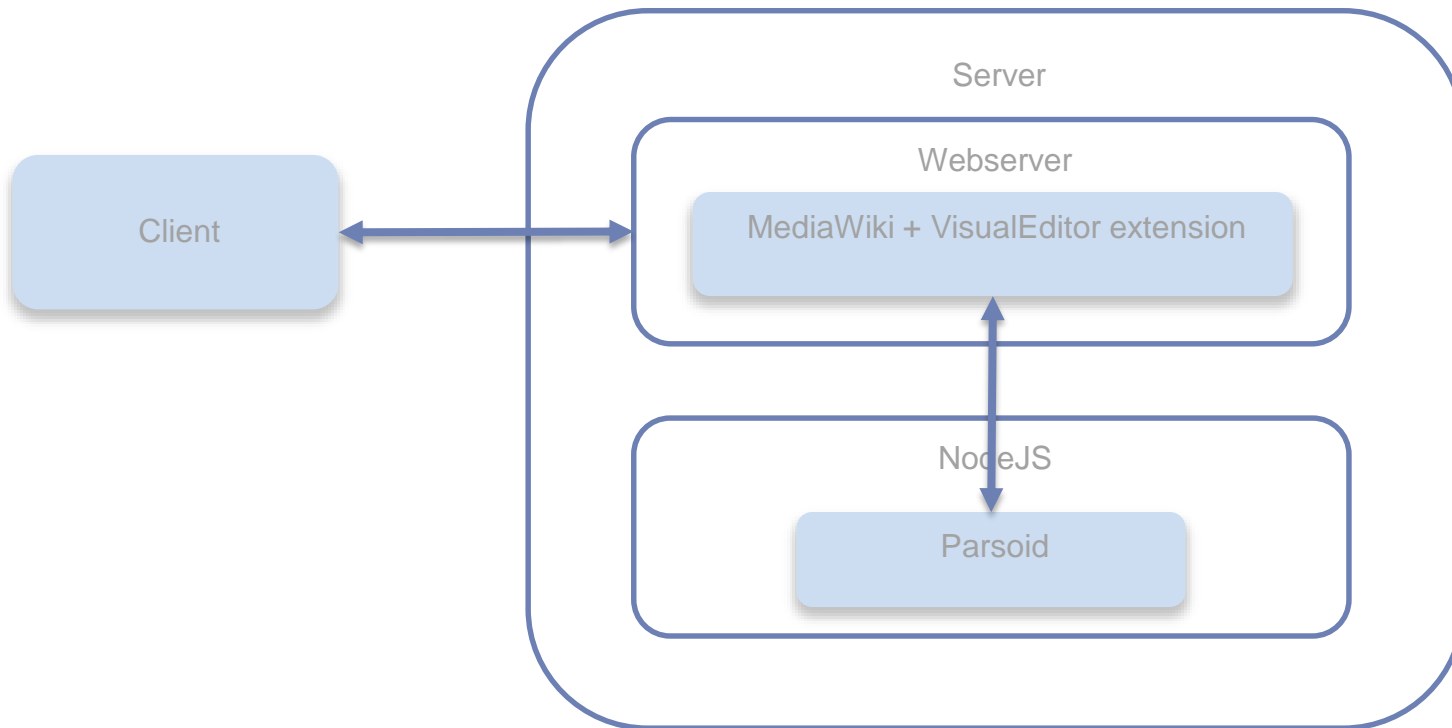
Overview

- Architecture
- Requirements
- Basic Setup
- Authentication
- Multiple Wikis
- Shared Hosts

Architecture

How VisualEditor Works

Architecture



Requirements

What do we need?

Requirements

Test-Setup

- XAMPP on Windows with PHP 7.0

Pre-installed software

- Installed MediaWiki 1.28.2
- Installed NodeJS with npm

Downloads

- VisualEditor from ExtensionDistributor for MW 1.28

Basic Setup

Steps to perform

Parsoid

Install Windows prerequisites

```
> npm install --global --production windows-build-tools
```

Install Parsoid

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

Create config file

```
> cd ~/AppData/Roaming/npm/node_modules/parsoid
```

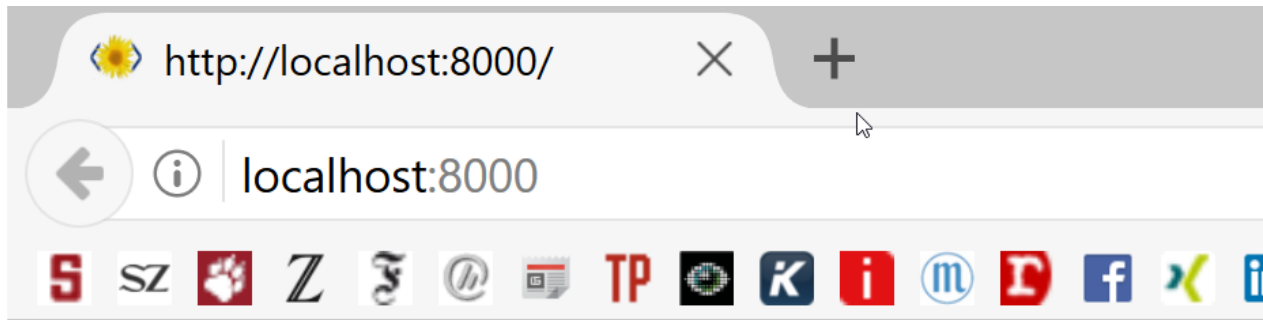
```
> cp config.example.yaml config.yaml
```

Start server

```
> node bin/server.js
```


Parsoid Testrun

<http://localhost:8000/>



Welcome to the Parsoid web service.

See [the API documentation on mediawiki.org](http://mediawiki.org).

Configure Parsoid

config.yaml

```
# Configure Parsoid to point to your MediaWiki instances.  
mwApis:  
- # This is the only required parameter,  
  # the URL of you MediaWiki API endpoint.  
  uri: 'http://localhost/mediawiki-1.28.2/api.php'
```

Configure VisualEditor

LocalSettings.php

```
wfLoadExtension( 'VisualEditor' );  
  
// Enable by default for everybody  
$wgDefaultUserOptions['visualeditor-enable'] = 1;  
  
// Optional: Set VisualEditor as the default for anonymous users  
// otherwise they will have to switch to VE  
// $wgDefaultUserOptions['visualeditor-editor'] = "visualeditor";  
  
// Don't allow users to disable it  
$wgHiddenPrefs[] = 'visualeditor-enable';
```

Connect to Parsoid

LocalSettings.php

```
$wgVirtualRestConfig['modules']['parsoid'] = array(  
    // URL to the Parsoid instance  
    // Use port 8142 if you use the Debian package  
    'url' => 'http://localhost:8000',  
    // Parsoid "domain", see below (optional)  
    'domain' => 'localhost',  
    // Parsoid "prefix", see below (optional)  
    'prefix' => 'localhost'  
);
```

Try it

Editing Main Page - ViennaHack

localhost/mediawiki-1.28.2/index.php?title=Main_P: Suchen

WikiSysop Talk Preferences Watchlist Contributions Log out

Set `$wgLogo` to the URL path to your own logo image.

Main page Discussion Read Edit Edit source View history More

Paragraph A Cite Insert Ω ? ≡ [] Save changes

Main Page

MediaWiki has been installed.

Consult the [User's Guide](#) for information on using the wiki software 1 2 3.

Getting started

- [Configuration settings list](#)
- [MediaWiki FAQ](#)
- [MediaWiki release mailing list](#)
- [Localise MediaWiki for your language](#)
- [Learn how to combat spam on your wiki](#)

Main page
Recent changes
Random page
Help

Tools
[What links here](#)
[Related changes](#)
[Upload file](#)
[Special pages](#)
[Page information](#)

Authentication

VisualEditor on Private Wikis

Quick and Dirty

Both servers are on localhost

```
// Restrict read access to logged in users only
$wgGroupPermissions['*']['read'] = false;

// This feature requires a non-locking session store.
$wgSessionsInObjectCache = true;

// Forward users' Cookie: headers to Parsoid.
$wgVirtualRestConfig['modules']['parsoid']['forwardCookies'] = true;
```

On distributed environments

Use Extension:NetworkAuth

NetworkAuth binds a specific IP address to a defined user

```
require_once
    "$IP/extensions/NetworkAuth/NetworkAuth.php";

$wgNetworkAuthUsers[] = [
    'iprange' => [ '127.0.0.1' ],
    'user'     => 'parsoid'
];
```


Multiple Wikis

One Parsoid to Serve them all

Just a configuration issue

- # If you have another wiki on a different domain
uri: 'http://yourothersite.com/w/api.php'
domain: 'yourothersite.com' # optional
- # If you have another wiki on the same domain
uri: 'http://yoursite.com/w2/api.php'
domain: 'wiki2' # optional

Shared Hosts

NodeJS not available

Set up a Parsoid on Heroku?

<http://parsoidonheroku.herokuapp.com/>

Run a node.js service on a node.js cloud provider.

Detailed instructions for Heroku:

https://www.mediawiki.org/wiki/VisualEditor/Installation_on_a_shared_host

However: security implications!

Thanks!

Questions?

Further Reading

- Visual Editor Architecture:
https://www.mediawiki.org/wiki/VisualEditor/Design/Software_overview
- Parsoid Setup:
<https://www.mediawiki.org/wiki/Parsoid/Setup>
- Visual Editor Extension:
<https://www.mediawiki.org/wiki/Extension:VisualEditor>
- Parsoid on Heroku:
https://www.mediawiki.org/wiki/VisualEditor/Installation_on_a_shared_host

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