

Wordpress plugin Example

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1. Download

- [synapeditor_plugin.zip](#)

2. Preparation

1. Download [Synap Editor Wordpress plugin](#).
2. repare Synap Editor file.
 - synapeditor.min.js (required)
 - synapeditor.min.css (required)
 - license.json (required)
 - synapeditor.config.js (optional)
 - sedocConverter (optional)
3. Decompress the files (synapeditor.min.js, synapeditor.min.css, synapeditor.config.js) and move them to resource folder.
4. If there is any executable file (sedocConverter), move it to resource/sedocConverter folder.

3. Applying

1. Move the license file (license.json) to resource folder.
2. Modify resource/synapeditor.config.js file. The following aspects must be modified when you apply Wordpress plugin.

/synapeditor_plugin/resource/synapeditor.config.js

```
var synapEditorConfig = {
  "editor.license": "http://localhost/wordpress/wp-content/plugins/synapeditor/resource/license.json",
  "editor.import.api": "admin-ajax.php",
  "editor.import.param": {"action": "import_doc"},
  "editor.upload.image.api": "admin-ajax.php",
  "editor.upload.image.param": {"action": "upload_file"},
  "editor.upload.video.api": "admin-ajax.php",
  "editor.upload.video.param": {"action": "upload_file"},
  "editor.upload.file.api": "admin-ajax.php",
  "editor.upload.file.param": {"action": "upload_file"},
  ...
}
```

3. Copy the whole wordpress_plugin folder and paste it into "\wordpress\wp-content\plugins\".

4. Source Code

/synapeditor_plugin/index.php

```
<?php
/*
Plugin Name: synapeditor
Plugin URI: http://www.synapeditor.com
Description: Unlimited Rich Text Editor
Version: 0.1
Author: synapsoft
Author URI: http://www.synapsoft.co.kr
License: GPL 2
*/
/*
```

```

* remove current editor
*/
function wp_remove_editor() {
    remove_post_type_support( 'post', 'editor' );
}

/*
* add Synap Editor
*/
function wp_add_synapeditor() {
    wp_enqueue_script('synapeditor', plugin_dir_url(__FILE__) . 'resource/synapeditor.js', array( 'jquery'
));
    wp_enqueue_script('synapeditorConfig', plugin_dir_url(__FILE__) . 'resource/synapeditor.config.js');
    wp_enqueue_style('synapeditor', plugin_dir_url(__FILE__) . 'resource/synapeditor.min.css');

    $post = get_post(get_the_ID());
    $content = apply_filters('the_content', $post->post_content);

    echo "<textarea id=\"content\" name=\"content\" style=\"display: none;\">$content</textarea>" ;
    echo "<script>";
    echo "window.onload = function () {";
    echo "var html = document.getElementById('content').innerText;";
    echo "window.editor = new SynapEditor('content', synapEditorConfig, html);";
    echo "};";
    echo "</script>";
}
add_action('init' , 'wp_remove_editor');
add_action('edit_form_after_title', 'wp_add_synapeditor' );

/*
* upload file
*/
function upload_file()
{
    $response = array();
    $uploaded_file = wp_handle_upload($FILES['file'], array('test_form' => false));
    if ($uploaded_file && !isset( $uploaded_file['error'] )) {
        $response['uploadPath'] = parse_url($uploaded_file['url'])['path'];
    }

    echo json_encode($response);
    die();
};
add_action( 'wp_ajax_upload_file', 'upload_file' );
add_action( 'wp_ajax_nopriv_upload_file', 'upload_file' );

/*
* import document
*/
function import_doc()
{
    $response = array();
    $uploaded_file = wp_handle_upload($FILES['file'], array('test_form' => false));
    if ($uploaded_file && !isset( $uploaded_file['error'] )) {
        $uploadDir = wp_upload_dir();
        $path_parts = pathinfo($uploaded_file['file']);
        $uploadFileName = $path_parts['filename'];

        // convert document
        $outputFilePath = join(DIRECTORY_SEPARATOR, array($uploadDir['path'], $uploadFileName));
        executeConverter($uploaded_file['file'], $outputFilePath);

        // serialized datas
        // Since v2.3.0, the file name is changed from document.word.pb to document.pb
        $pbFilePath = join(DIRECTORY_SEPARATOR, array($outputFilePath, "document.pb"));
        $serializedData = readPBData($pbFilePath);
        $outputFileUrl = $uploadDir['url'] . "/"{$uploadFileName}";
    } else {
        $outputFileUrl = $uploaded_file;
        $serializedData = !isset( $uploaded_file['error'] );
    }
}

```

```

    }

    echo json_encode(array(
        'serializedData' => $serializedData,
        'importPath' => $outputFilePath
    ));
    die();
}

/*
 * convertor document
 */
function executeConverter($inputFilePath, $outputFilePath)
{
    $sedocConverterPath = plugin_dir_path(__FILE__) . 'resource\sedocConverter\sedocConverter.exe';
    $fontsDir = plugin_dir_path(__FILE__) . 'resource\sedocConverter\fonts';
    $tempDir = plugin_dir_path(__FILE__) . 'resource\sedocConverter\tmp';

    $cmd = "${sedocConverterPath} -f ${fontsDir} ${inputFilePath} ${outputFilePath} ${tempDir}";
    exec($cmd);
}

/*
 * serialized data
 */
function readPBData($pbFilePath)
{
    $fb = fopen($pbFilePath, 'r');
    $data = stream_get_contents($fb, -1, 16);
    fclose($fb);

    $byteArray = unpack('C*', zlib_decode($data));
    $serializedData = array_values($byteArray);

    return $serializedData;
}

add_action( 'wp_ajax_import_doc', 'import_doc' );
add_action( 'wp_ajax_nopriv_import_doc', 'import_doc' );

/**
 * Admin page setting
 */
function me_add_to_admin_menu() {
    add_menu_page( 'Synap Editor Configuration Page', 'Synap Editor Config',
        'manage_options', 'synap-editor-config', 'me_admin_menu' );
}

function me_admin_menu() {
    require('admin/synap-admin.php');
}

function register_my_settings() {
    register_setting( 'synap-editor-conf', 'width' );
    register_setting( 'synap-editor-conf', 'height' );
    register_setting( 'synap-editor-conf', 'default_lang' );
    register_setting( 'synap-editor-conf', 'lang' );
    register_setting( 'synap-editor-conf', 'toolbar' );
}

if (is_admin()) {
    add_action('admin_menu', 'me_add_to_admin_menu');
    add_action('admin_init', 'register_my_settings');
}

```



```

<?php
/**
 * Created by synapeditor.
 */

if ( !current_user_can( 'manage_options' ) ) {
    wp_die( __( 'You do not have sufficient permissions to access this page.' ) );
}

?>

<div class="wrap">
    <h1>Synap Editor Configuration</h1>

    <form method="post" action="options.php">
        <?php settings_fields( 'synap-editor-conf' ); ?>
        <?php do_settings_sections( 'synap-editor-conf' ); ?>
        <label for="width">Editor Width</label>
        <input id="width" name="width" type="text" value="<?php echo esc_attr( get_option('width') ); ?>"/>
        <br/>
        <label for="height">Editor Height</label>
        <input id="height" name="height" type="text" value="<?php echo esc_attr( get_option('height') ); ?>"/>
    />

    <hr/>
    <label for="default_lang">Editor Default Language</label>
    <input id="default_lang" name="default_lang" type="text" value="<?php echo esc_attr( get_option(
('default_lang') ); ?>"/>
    <br/>
    <label for="lang">Editor Language</label>
    <input id="lang" name="lang" type="text" value="<?php echo esc_attr( get_option('lang') ); ?>"/>
    <hr/>
    <fieldset>
        <legend>Editor Toolbar</legend>

        <?php
            $options = get_option( 'toolbar' );
            $toolbars = [
                ['bold', 'Bold'], ['italic', 'Italic'], ['underline', 'Underline'], ['strike',
'Strikethrough'],
                ['superScript', 'Superscript'], ['subScript', 'Subscript'], ['fontColor', 'Font Color'],
                ['fontBackgroundColor', 'Shading Color'],
                ['align', 'Alignment'], ['copyRunStyle', 'Copy Formatting'], ['pasteRunStyle', 'Paste
Formatting'], ['removeRunStyle', 'Clear Formatting'],
                ['link', 'Hyperlink'], ['image', 'Image'], ['backgroundImage', 'Background Image'],
                ['video', 'Video'],
                ['file', 'File'], ['horizontalLine', 'Horizontal Line'], ['specialCharacter', 'Special
Character'], ['emoji', 'Emoji'],
                ['insertDiv', 'Block Layer'], ['bulletList', 'Bulleted List'], ['numberedList',
'Numbered List'], ['multiList', 'Multilevel List']
            ];

            $idx = 0;
            foreach ( $toolbars as $toolbar ) {
                echo "<input name='toolbar[$toolbar[0]]' type='checkbox' value='1'", checked( isset(
$options[$toolbar[0]] ) ) ,"/> $toolbar[1] ";
                if ( ++$idx % 4 == 0 ) {
                    echo "<br/>";
                }
            }
        ?>
    </fieldset>

    <?php submit_button(); ?>
</form>
</div>

```

See also

- [Java Spring Framework Example](#)
- [Java Servlet Example](#)
- [ASP.NET \(C#\) Example](#)
- [ASP\(Classic\) Example](#)
- [PHP Example](#)
- [PHP4 Example](#)
- [Django Example](#)
- [Ruby On Rails Example](#)
- [Wordpress plugin Example](#)