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  - 3.1 <div> tag
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1.

- +
  - SynapEditor\_2.x.x.zip
- - fonts.zip

( /workspace . /workspace WEB ROOT .)

SynapEditor\_2.x.x.zip .

/workspace/SynapEditor_2.x.x/SynapEditor	<div><div>externals</div><div>plugins</div><div>themes</div><div>synapeditor.config.js</div><div>synapeditor.min.css</div><div>synapeditor.min.js</div><div>synapeditor.pkgd.min.css</div><div>synapeditor.pkgd.min.js</div></div>	<div>externals :</div> <div>plugins :</div> <div>theme :</div> <div>license.json :</div> <div>synapeditor.config.js :</div> <div><div>2.13.0</div><div>synapeditor.pkgd.min.js, synapeditor.pkgd.min.css</div></div> <div><div>synapeditor.pkgd.min.js, synapeditor.pkgd.min.css</div><div>synapeditor.pkgd.min.js synapeditor.min.js</div></div>

/workspace/SynapEditor_2.x.x /sedocConverter	<div>Windows</div> <div>  libeay32.dll   libxml2.dll   libxslt.dll   sedocConverter.exe   zlibwapi.dll </div> <div>Linux</div> <div>  sedocConverter_exe </div>	() Windows : sedocConverter.exe, dll Linux : sedocConverter_exe
---	---	---

fonts.zip /workspace .

/workspace/fonts	(wmf/emf)

2.

2.1

synapeditor.config.js license.json . license.json .

synapeditor.config.js
<pre> {   /**    *    * ex) '/synapeditor/license.json'    * ex) {       'company': 'Synapsoft',       'key': [         'licenseKey'       ]     }   */   'editor.license': 'synapeditor/license.json',   ... }</pre>

3.

. <div> <textarea> .

3.1 <div> tag

3.1.1 <script> <link> tag js css include.

```
<link href='SynapEditor/synapeditor.min.css' rel='stylesheet' type='text/css'>
<script src='SynapEditor/synapeditor.config.js'></script>
<script src='SynapEditor/synapeditor.min.js'></script>
```

### 3.1.2 include.

xlsx, docx, hwp      externals    SEDocModelParser, SEShapeManager include .

```
<script src="externals/SEDocModelParser/SEDocModelParser.min.js"></script>
<script src="externals/SEShapeManager/SEShapeManager.min.js"></script>
```

### 3.1.3 <div> tag    Synap Editor .

```
<!DOCTYPE html>
<html lang="ko">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0, minimum-scale=1.0, maximum-scale=1.0,
user-scalable=no, shrink-to-fit=no">
<title>Synap Editor | Unlimited Rich Text Editor</title>

<link href="SynapEditor/synapeditor.min.css" rel="stylesheet" type="text/css">
<script src="SynapEditor/synapeditor.config.js"></script>
<script src="SynapEditor/synapeditor.min.js"></script>
<script>
function initEditor() {
    var se = new SynapEditor("synapEditor", synapEditorConfig);
}
</script>
<body onload="initEditor();">
    <div id="synapEditor" style="height:700px;"></div>
</body>
</html>
```

### 3.1.4 HTML form tag    .

POST    [jQuery](#) .

```

<!DOCTYPE html>
<html lang="ko">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0, minimum-scale=1.0, maximum-scale=1.0,
user-scalable=no, shrink-to-fit=no">
<title>Synap Editor | Unlimited Rich Text Editor</title>
<link href="SynapEditor/synapeditor.min.css" rel="stylesheet" type="text/css">
<script src="https://code.jquery.com/jquery-3.3.1.js"></script>
<script src="SynapEditor/synapeditor.config.js"></script>
<script src="SynapEditor/synapeditor.min.js"></script>
<script>
$(document).ready(function() {
    var se = new SynapEditor("synapEditor", synapEditorConfig);

    $('#seform').on('submit', function() {
        $('#editor').val( se.getPublishingHtml() );
        return true;
    });
});

</script>
<body>
    <div style="height:700px;">
        <div id="synapEditor"></div>
    </div>
    <form id="seform" name="seform" action="/save" method="post">
        <textarea id="editor" style="display:none"></textarea>
        <input type="submit" value="SAVE"/>
    </form>
</body>
</html>

```

## 3.2 <textarea> tag

### 3.2.1 <script> <link> tag js css include.

```

<link href='SynapEditor/synapeditor.min.css' rel='stylesheet' type='text/css'>
<script src='SynapEditor/synapeditor.config.js'></script>
<script src='SynapEditor/synapeditor.min.js'></script>

```

### 3.2.2 include.

xlsx, docx, hwp      externals    SEDocModelParser, SEShapeManager include .

```

<script src="externals/SEDocModelParser/SEDocModelParser.min.js"></script>
<script src="externals/SEShapeManager/SEShapeManager.min.js"></script>

```

### 3.2.3 <textarea> tag    Synap Editor .

```
<!DOCTYPE html>
<html lang="ko">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0, minimum-scale=1.0, maximum-scale=1.0,
user-scalable=no, shrink-to-fit=no">
<title>Synap Editor | Unlimited Rich Text Editor</title>

<link href="SynapEditor/synapeditor.min.css" rel="stylesheet" type="text/css">
<script src="SynapEditor/synapeditor.config.js"></script>
<script src="SynapEditor/synapeditor.min.js"></script>
<script>
function initEditor() {
    var se = new SynapEditor("synapEditor", synapEditorConfig);
}
</script>
<body onload="initEditor();">
    <div style="height:700px;">
        <textarea id="synapEditor"></textarea>
    </div>
</body>
</html>
```

### 3.2.4 HTML form tag

POST [jQuery](#) .

```

<!DOCTYPE html>
<html lang="ko">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0, minimum-scale=1.0, maximum-scale=1.0,
user-scalable=no, shrink-to-fit=no">
<title>Synap Editor | Unlimited Rich Text Editor</title>
<link href="SynapEditor/synapeditor.min.css" rel="stylesheet" type="text/css">
<script src="https://code.jquery.com/jquery-3.3.1.js"></script>
<script src="SynapEditor/synapeditor.config.js"></script>
<script src="SynapEditor/synapeditor.min.js"></script>
<script>
$(document).ready(function() {
    var se = new SynapEditor("synapEditor", synapEditorConfig);
});
</script>
<body>
    <form id="seform" name="seform" action="/save" method="post">
    <div style="height:700px;">
        <textarea id="synapEditor"></textarea>
    </div>
    <input type="submit" value="SAVE"/>
    </form>
</body>
</html>

```

4.

```

<!-- )      .-->

<!-- -->
<link rel="stylesheet" href="../../synapeditor.min.css">
<script src="../../synapeditor.min.js"></script>

<!-- -->
<link rel="stylesheet" href="../../plugins/webAccessibilityChecker/webAccessibilityChecker.min.css">
<script src="../../plugins/webAccessibilityChecker/webAccessibilityChecker.min.js"></script>

```

## UI

```

<script>
    new SynapEditor('    HTML Element ID', {
        //...
        'editor.toolbar': [
            //...
            'webAccessibilityChecker' //    UI        UI        .
            //...
        ]
        //...
    });
</script>

```

External Module	
CodeMirror	.
formulaParser	.
SEDocModelParser	hwp, doc, docx, xls, xlsx .
SEShapeManager	. .

.

```

<!DOCTYPE html>
<html lang="ko">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0, minimum-scale=1.0, maximum-scale=1.0,
user-scalable=no, shrink-to-fit=no">
<title>Synap Editor | Unlimited Rich Text Editor</title>

<!-- Synap Editor -->
<link href="SynapEditor/synapeditor.min.css" rel="stylesheet" type="text/css">
<script src="SynapEditor/synapeditor.config.js"></script>
<script src="SynapEditor/synapeditor.min.js"></script>

<!-- Synap Editor Plugins -->
<!-- / v2.8.0 -->
<script src="SynapEditor/plugins/shapeEditor/shapeEditor.min.js"></script>
<link rel="stylesheet" href="synapeditor/plugins/shapeEditor/shapeEditor.min.css">
<!-- -->
<script src="SynapEditor/plugins/personalDataProtection/personalDataProtection.min.js"></script>
<link rel="stylesheet" href="synapeditor/plugins/personalDataProtection/personalDataProtection.min.css">
<!-- / -->
<script src="SynapEditor/plugins/characterPicker/characterPicker.min.js"></script>
<link rel="stylesheet" href="synapeditor/plugins/characterPicker/characterPicker.min.css">
<!-- -->
<script src="SynapEditor/plugins/webAccessibilityChecker/webAccessibilityChecker.min.js"></script>
<link rel="stylesheet" href="synapeditor/plugins/webAccessibilityChecker/webAccessibilityChecker.min.css">
<!-- -->
<script src="SynapEditor/plugins/tuiImageEditor/tuiImageEditor.min.js"></script>
<link rel="stylesheet" href="synapeditor/plugins/tuiImageEditor/tuiImageEditor.min.css">
<!-- -->
<script src="SynapEditor/plugins/horizontalLineExtension/horizontalLineExtension.min.js"></script>
<link rel="stylesheet" href="synapeditor/plugins/webAccessibilityChecker/webAccessibilityChecker.min.css">
<!-- -->
<script src="SynapEditor/plugins/quoteExtension/quoteExtension.min.js"></script>
<link rel="stylesheet" href="synapeditor/plugins/quoteExtension/quoteExtension.min.css">

<!-- Synap Editor Externals -->
<script type="text/javascript" src='SynapEditor/externals/formulaParser/formula-parser.min.js'></script>
<!-- v2.8.0 -->
<script type="text/javascript" src='SynapEditor/externals/SEDocModelParser/SEDocModelParser.min.js'></script>
<!-- v2.8.0 -->
<script type="text/javascript" src='SynapEditor/externals/SEShapeManager/SEShapeManager.min.js'></script>

<!-- CodeMirror -->
<script type="text/javascript" src='SynapEditor/externals/codeMirror/codemirror.min.js'></script>
<script type="text/javascript" src="SynapEditor/externals/codeMirror/xml.min.js"></script>
<link rel='stylesheet' href='SynapEditor/externals/codeMirror/codemirror.min.css'>

<script>
function initEditor() {
    var se = new SynapEditor("synapEditor", synapEditorConfig);
}
</script>
<body onload="initEditor();">
    <div style="height:700px;">
        <div id="synapEditor"></div>
    </div>
</body>
</html>

```



#### **synapeditor.config.js**

```
{
  'editor.toolbar': [
    //...,
    'personalDataProtection',
    'specialCharacter', 'emoji',
    'tuiImageEditor',
    'WebAccessibilityChecker',
    //...
  ],
}
```

## 5. API

,, (doc, docx, hwp, xls, xlsx) API .



API ( /importDoc, /uploadImage, /uploadVideo, /uploadFile) Back-end .

#### **synapeditor.config.js**

```
{
  'editor.import.api': '/importDoc',
  'editor.upload.image.api': '/uploadImage',
  'editor.upload.video.api': '/uploadVideo',
  'editor.upload.file.api': '/uploadFile',
  ...
}
```

## 6.

- RedHat Enterprise, Fedora, Ubuntu, CentOS 2.6.32 (GLIBC 2.14 )
- Windows 10
- Microsoft Windows Server 2012 / 2012 R2 / 2016