ONLYOFFICE: improve your users' document editing experience with third-party plugins

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What is ONLYOFFICE?
Editors for:
1. Text documents,
2. Spreadsheets,
3. Presentations,
4. Fillable forms,
5. PDFs (coming soon)
What is ONLYOFFICE?

OOXML as a core format

www.onlyoffice.com
What is ONLYOFFICE?

HTML5 Canvas as the core technology

1. Browser-independent display of content
2. High formatting quality
3. WYSIWYG - 100% identity
4. Maximum compatibility with MS Office OOXML
5. Advanced tool set
6. Low memory consumption
**What is ONLYOFFICE?**

**Node.js** for the server-side code

```javascript
const express = require('express);
const path = require('path');
const app = express();

app.use(express, static('files '));
app.get('/', (req, res) => {
  res.sendFile(path, join( dirname + '/index.html'))
});

app.listen(3000 , () => console.log('Example app listening on port ${port}!'));
```
What is ONLYOFFICE?

- Client-side performance
- Flexible document permissions
- Collaboration without disruption
- Undo / redo features
- Advanced security
What is ONLYOFFICE?

- No user data stored on the server
- JSON Web Token
- Configurable cache lifetime
- Watermarking
- End-to-end encryption
- Download/copy restriction
- Password protection
The **ONLYOFFICE** source code is available on GitHub under AGPL v.3
Flexible architecture

- 8-core CPU
- 32 GB RAM
- 1000 simultaneously edited documents
What is ONLYOFFICE?

WOPI support
Integrated in more than 30 well-known platforms

What is ONLYOFFICE?

www.onlyoffice.com
Available as DEB, RPM, Docker, Snap, UCS, Cloudron, AMI, Kubernetes
Additional features with plugins
What are plugins in ONLYOFFICE?

Extra features not related to OOXML, JavaScript, HTML
What are plugins in ONLYOFFICE?

- Available in the web-based and desktop editors for docs, sheets, slides
- Default set + Plugin Manager /App Directory
What are plugins in ONLYOFFICE?

Visual / non visual / combination
What are plugins in ONLYOFFICE?

System / Non-system
What are plugins in ONLYOFFICE?

OLE objects
What ONLYOFFICE plugins can do

Connect third-party services:

- Mendeley
- Zotero
- YouTube
- Highlight code
- WordPress
- Google Translate
- Photo Editor
- Speech, etc.
Add custom components and controls to the user interface:

- **Trackchanges**
- **Trackchanges_off**

What ONLYOFFICE plugins can do
Enhance user experience and the editors’ functionality:

• Autocomplete
• Search & Replace
• Move cursor
• Advanced commenting
What ONLYOFFICE plugins can do

Make document editing more accessible:

- Translator plugin
- Speech plugin
- Speech Input
Integrate AI to:
• Generate text
• Find information
• Build code
• Translate text
• Summarize and structure text
Recently added plugins

Zoom
ChatGPT
Draw.io
Speech recognition
Word Counter
Typograf
Jitsi, Rainbow
Doc2md

www.onlonlyoffice.com
Use **Speech Input** to convert speech to text:

1. Select Speech Input on the Plugins tab
2. Allow access to your microphone
3. Set the language
4. Start dictating the text
Use **Zoom** to make audio and video calls:

1. Select Zoom on the Plugins tab
2. Authorize with Zoom API
3. Create, schedule or join a meeting
4. Enter a call inside the plugin interface with all essential Zoom tools and settings
Use ChatGPT to generate answers:

1. Select ChatGPT on the Plugins tab
2. Log in with OpenAI API data
3. Ask questions, translate texts, request chat to generate code and HTML objects, etc.
How to create your own plugin

Read the ONLYOFFICE API documentation that describes:

• How to build, localize, run, test and publish a plugin.
• How to write and run a macro or convert VBA macros to use in ONLYOFFICE.
• How to use ONLYOFFICE methods and events.
• Where to find guides and plugin/macro code samples.

API: https://api.onlyoffice.com/plugin/basic
How to create your own plugin

Write the code of your plugin

Create a folder with the following files:

- config.json
- pluginCode.js
- index.html
How to create your own plugin

Write the code of your plugin

Main components:

**config.json**
(plugin configuration file)
How to create your own plugin

Write the code of your plugin

Main components:

`pluginCode.js`

(the code file itself)
How to create your own plugin

Write the code of your plugin

Main components:

index.html
(plugin entry point)

```html
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8" />
    <title>Plugin name</title>
    <script type="text/javascript" src="https://onlyoffice.github.io/sdkjs-plugins/v1/plugins.js"></script>
  </head>
  <body style="width: 100%; height: 100%; margin: 0; padding: 0; overflow: hidden;">
    <div id="plugin name" style="margin: 0; padding: 0;"></div>
  </body>
</html>
```
How to create your own plugin

Adjust the style of your plugin

1 2 3 4 5 6

Add the ONLYOFFICE style sheet to the `index.html` file

```html
<link rel="stylesheet" href="https://onlyoffice.github.io/sdkjs-plugins/v1/plugins.css">
```
How to create your own plugin

Localize your plugin

1. Create the translations folder in the plugin directory with .json files for each language.

```json
{
    "name": "Highlight code",
    "nameLocale": {
        "de": "Code hervorheben",
        "es": "Resaltar el código",
        "fr": "Code en surbrillance",
        "ru": "Подсветка кода"
    }
}
```
How to create your own plugin

Prepare your plugin for publishing

1. Create an **About** window for your plugin with a short description
2. Prepare icons for the plugin and put them into the main plugin folder
3. Create Readme file
How to create your own plugin

1. Connect your plugin to the desktop app, the self-hosted version or the cloud-based ONLYOFFICE editors
2. Test the performance of your plugin
How to create your own plugin

Send your plugin for publishing

1  2  3  4  5  6

Contact us at marketing@onlyoffice.com and get your plugin listed on ONLYOFFICE App Directory on the official website: onlyoffice.com/app-directory.aspx or in the marketplace on GitHub

Integrate ONLYOFFICE with apps you need

Featured apps

- **DocuSign**
  Add electronic signature to your documents with DocuSign.

- **EasyBib**
  Generate citations, create bibliographies in documents.

- **Mendeley**
  Create bibliographies in ONLYOFFICE editors.

- **Twilio**
  Call your clients directly from your CRM system using virtual numbers.

- **WordPress**
  Easily publish articles directly from the document editor on your WordPress website.
To add the plugin to the **marketplace**, make pull request from your fork to the github repository.
- Upgraded plugins
- Drawing in the editors
- Radar charts
- Combining documents
- Saving objects as pictures
- Saving text documents and sheets as images
- Improved Pivot tables
- Page Break Preview
- Optimized form creator
- Usability improvements
• Scripts that help automate routine tasks
• JavaScript syntax
• API Documentation available
Call for developers

Collaborate with ONLYOFFICE on beneficial terms:

- Create a useful plugin or a macro for the ONLYOFFICE editors
- Contact us at marketing@onlyoffice.com
- We will add your plugin to the Plugin Marketplace / include your macro in the library.
- You will be given credit for your submissions. We are also happy promote your creations via blog and social networks!
Thank you!

marketing@onlyoffice.com

www.onlyoffice.com