

General: ONLYOFFICE Project

Company:

Ascensio System SIA 3 Divisions: Latvia (Riga), USA (Dallas), Russia (Nizhny Novgorod)

Product:

ONLYOFFICE™ unique online editors

Customers:

Over 5,000,000 customers in 92 countries worldwide

Versions for:

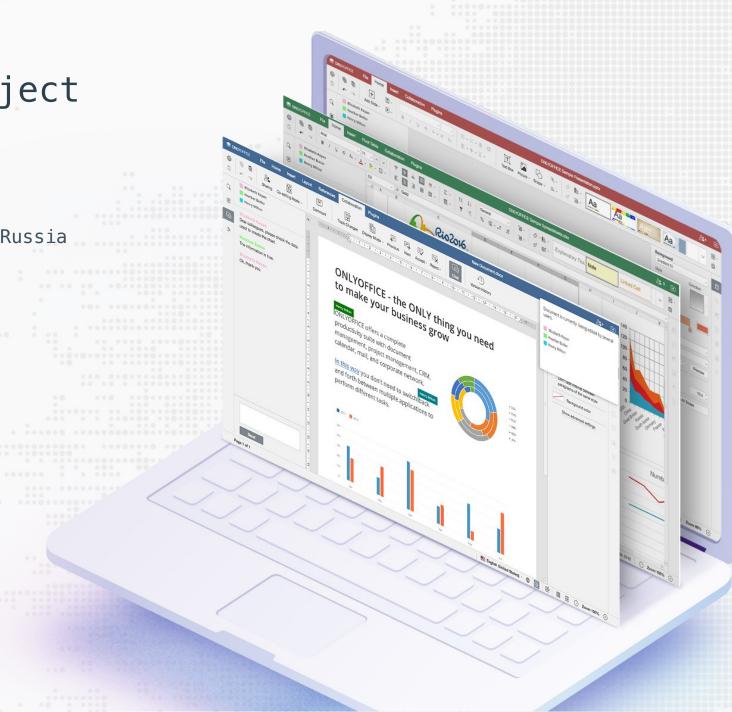
Cloud, Server, Desktop, Mobile

Supported platforms:

Windows, Linux, MacOS, Android, iOS

Source Code:

GNU AGPL v3



Three pillars of ONLYOFFICE project



Advanced technology



Data security



Smart architecture

TECHNOLOGY: main Advantages of HTML5 Canvas



Browser-independent display of content

Internal tools for font metrics
analysis and text rendering



Maximum compatibility with MS Office OOXML and ODF



High formatting quality
due to pixel-level rendering



Advanced Toolset

Desktop editor functionality available online



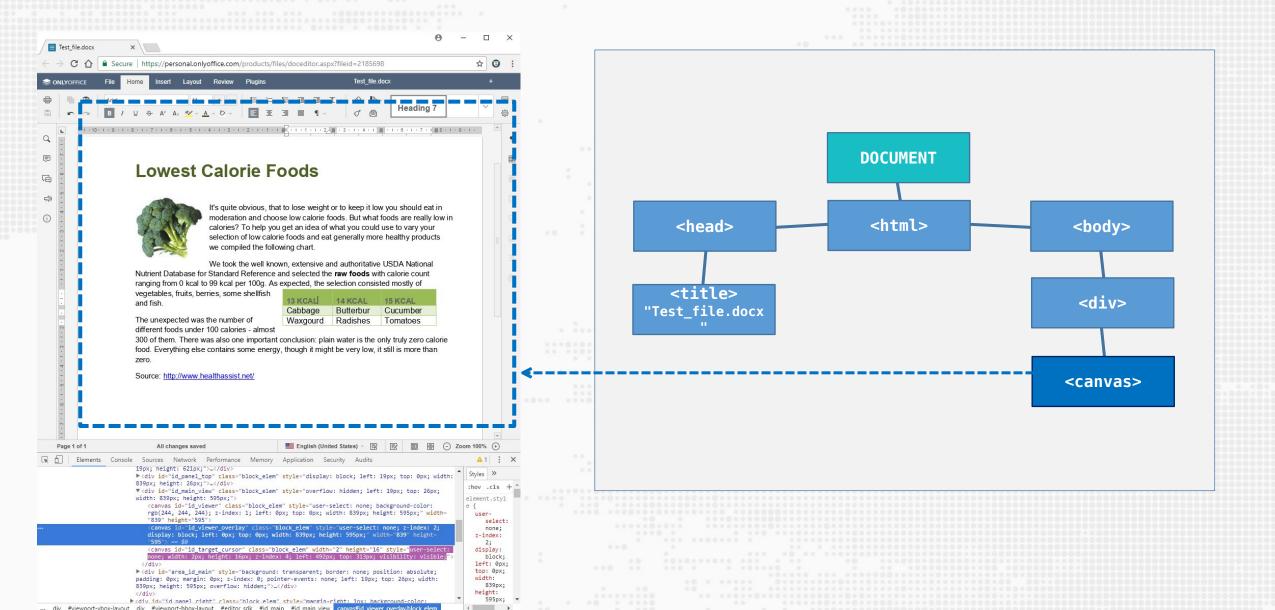
WYSIWYG - 100% identity
while viewing, editing and
printing



Low memory consumption

Fast processing of large multipage documents

TECHNOLOGY: HTML5 Canvas



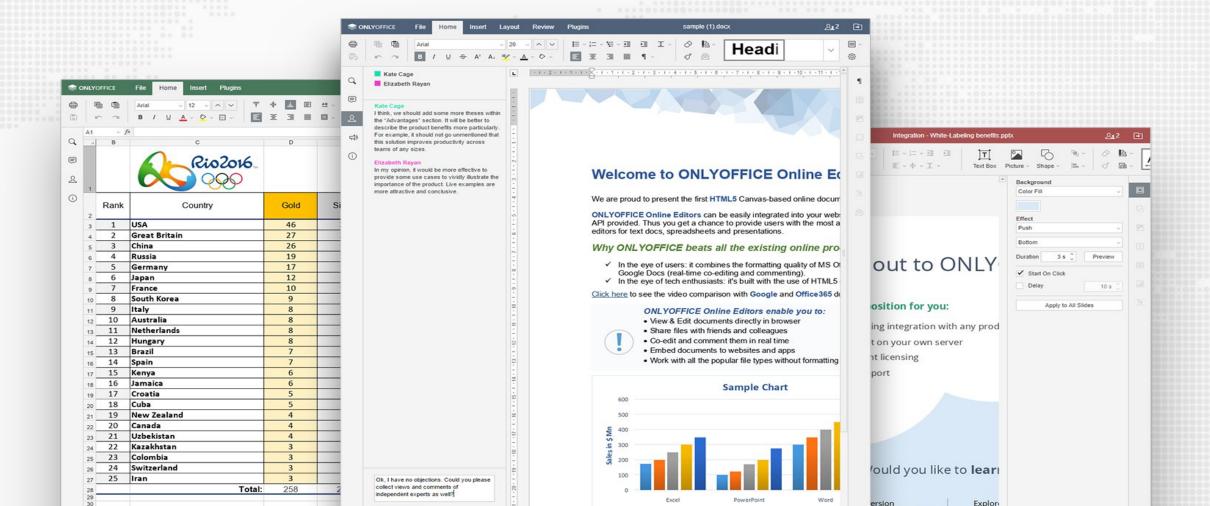


- Base format: Office Open XML (.docx, .xlsx, .pptx) guarantees file format compatibility
- Implemented exclusively in JavaScript
- One Engine for online, desktop and mobile editors



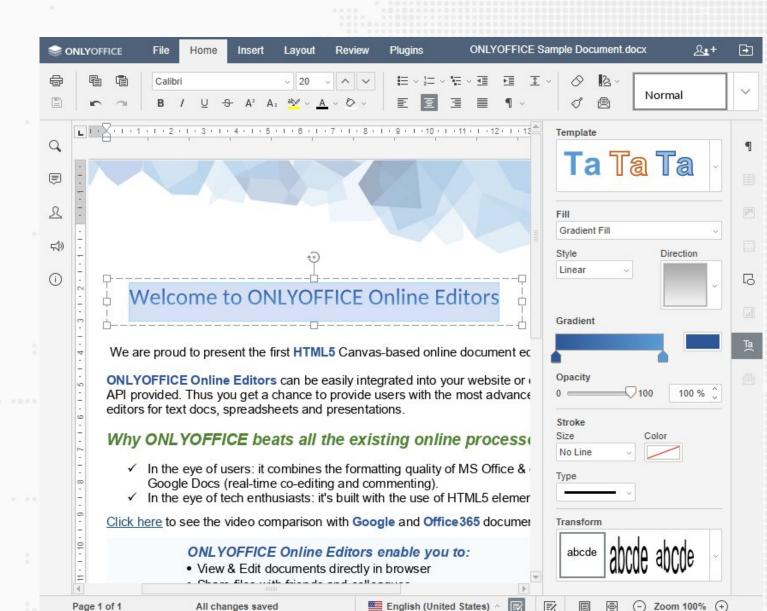


for Documents, Spreadsheets and Presentations



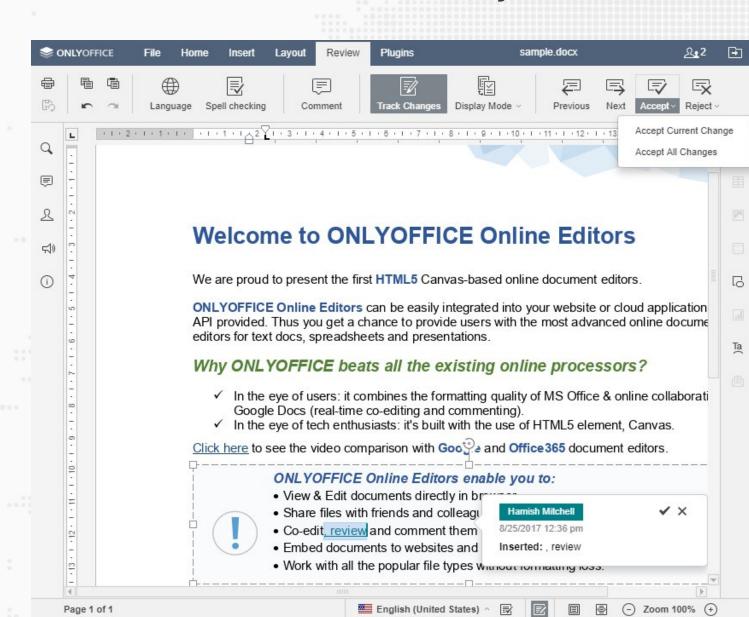
TECHNOLOGY: editing functionality

- Full set of editing and formatting tools: all operations with fonts and styles, paragraph and text formatting
- Creating and customizing all kinds of objects: shapes, charts, text art and text boxes.
- Academic formatting and navigation: drop caps, footnotes, table of contents, bookmarks.
- Plugins for publishing, working with images and videos, translation, symbols and more.
- Content Controls feature: creating customized forms via plugin.



TECHNOLOGY: collaboration functionality

- Flexible access rights: viewing, editing, reviewing, commenting only, field filling;
- Strict and Fast co-editing modes;
- Version and revision control;
- Review mode;
- Track Changes;
- Comments;
- Built-in chat.

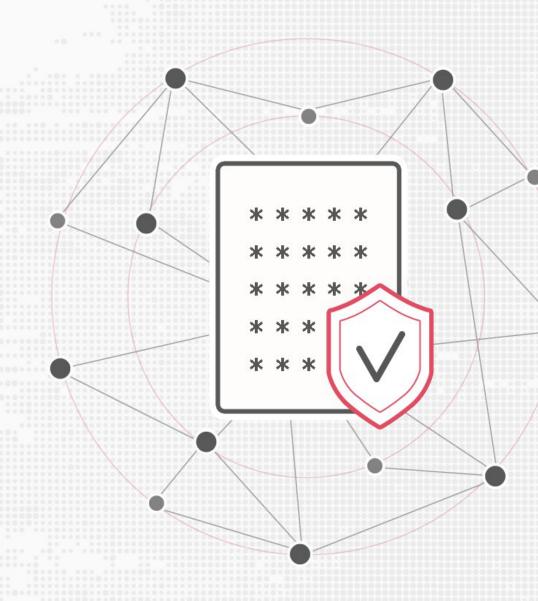


DATA SECURITY

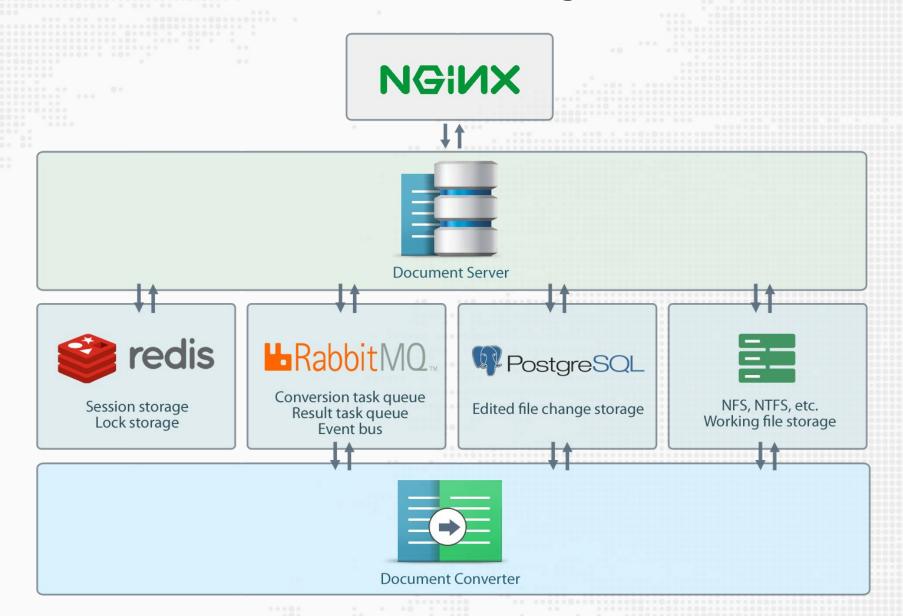
- JWT for sharing authorization
- Configurable cache lifetime

ENCRYPTION:

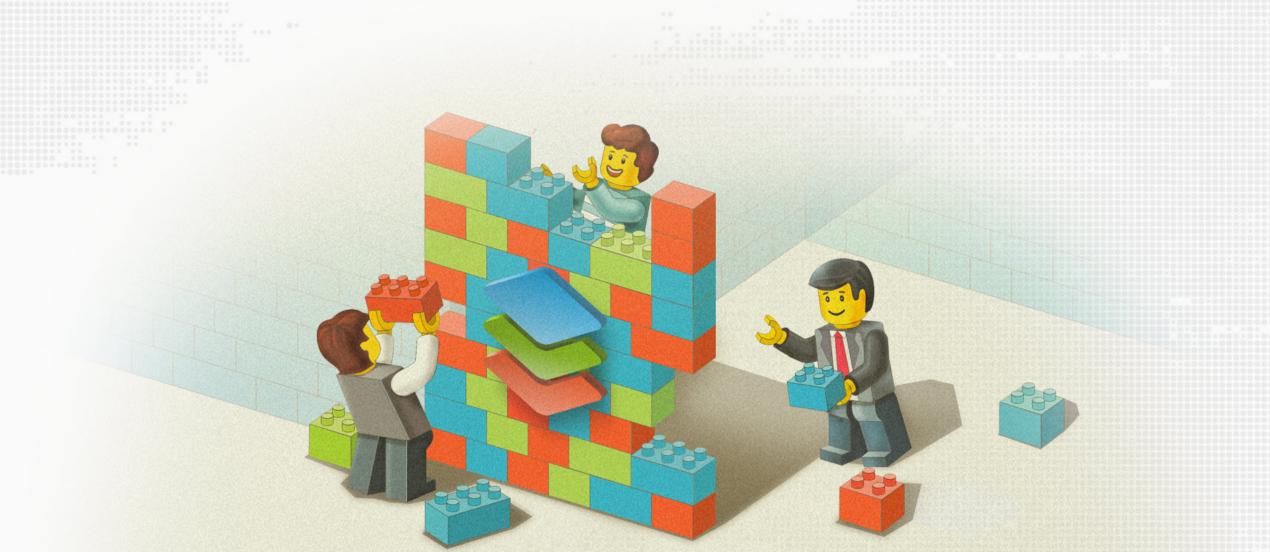
- End-to-end encryption of data with AES-256
- Blockchain technology for transferring the credentials
- Encrypted co-editing



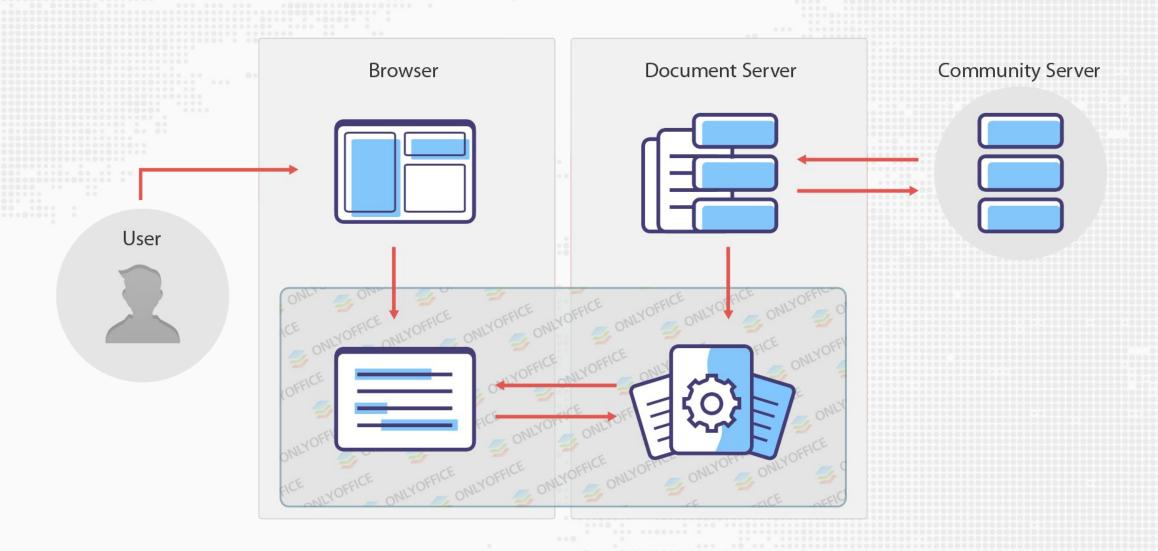
Architecture: document editing service structure



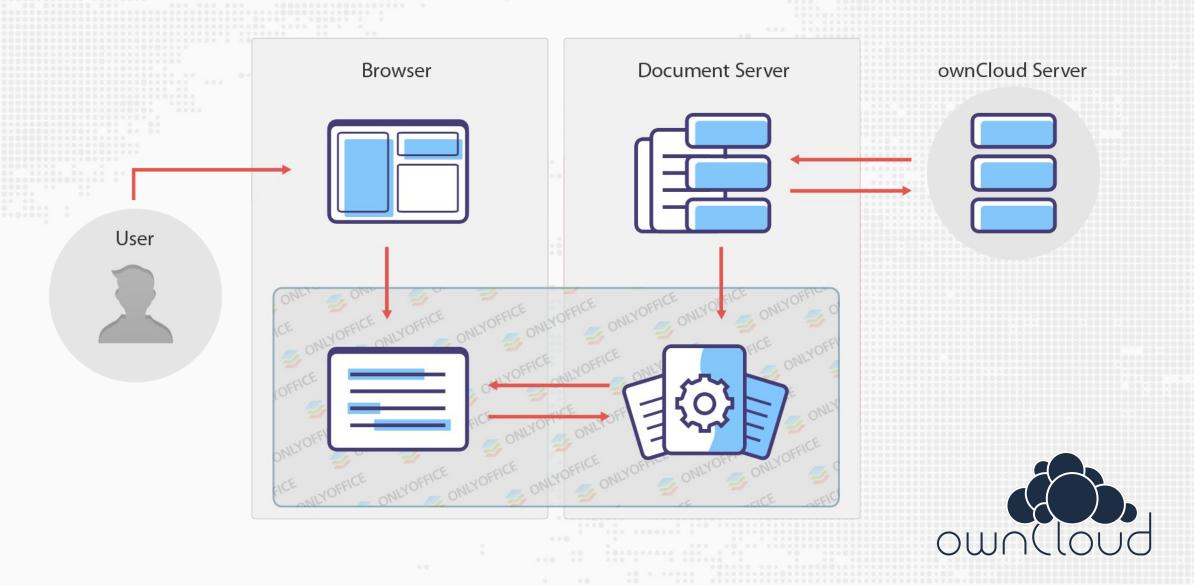
Extensive and intensive integration strategies



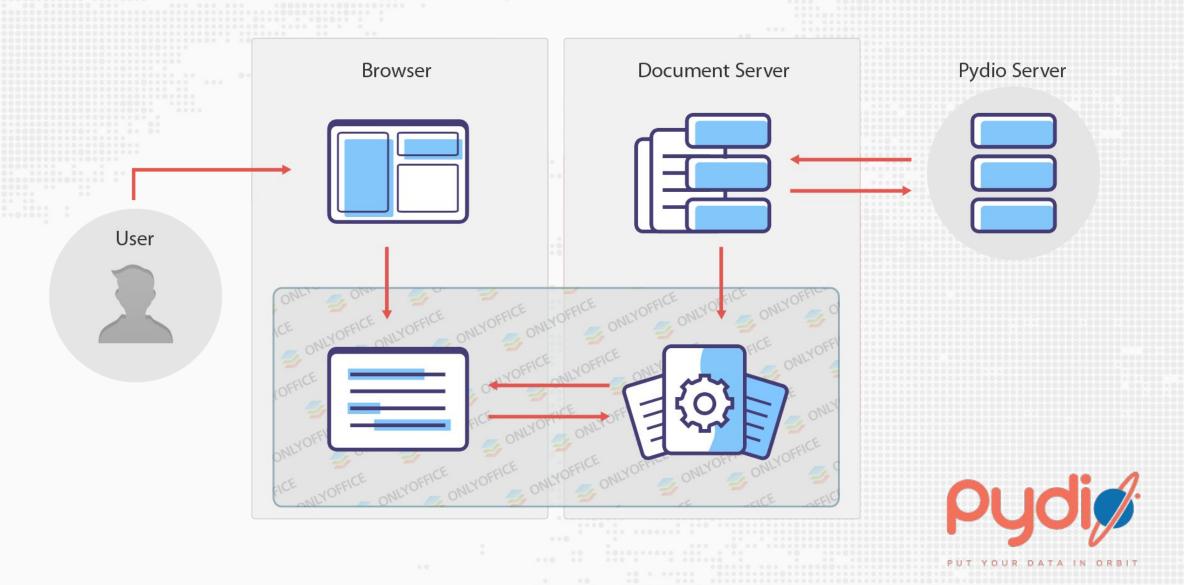
ONLYOFFICE editors and ONLYOFFICE cloud



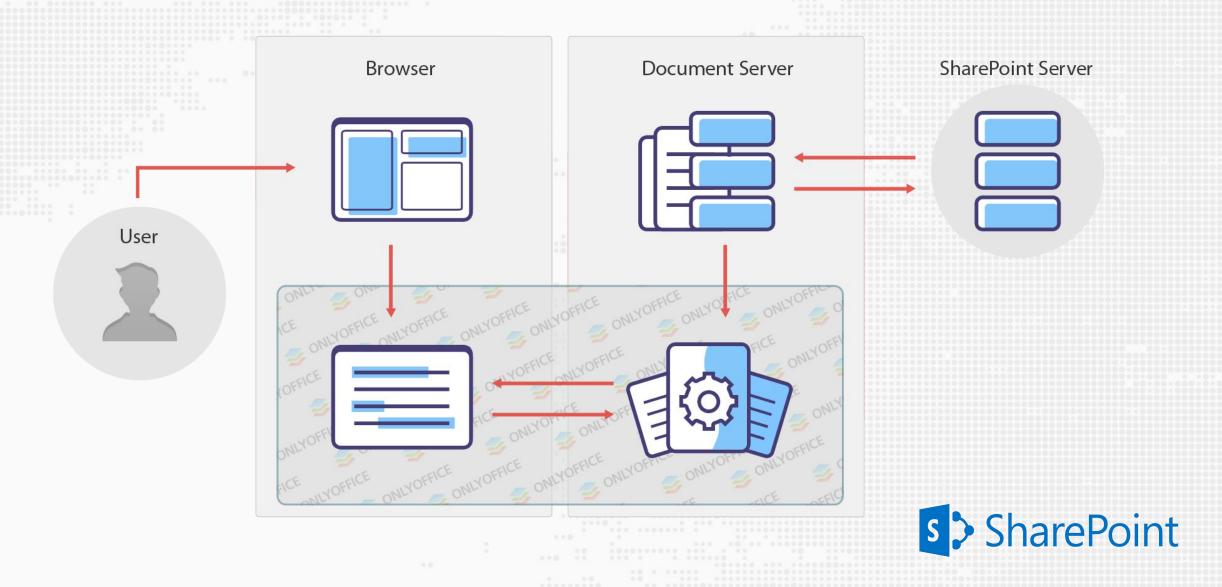
Integrating ONLYOFFICE in third-party platforms



Integrating ONLYOFFICE in third-party platforms

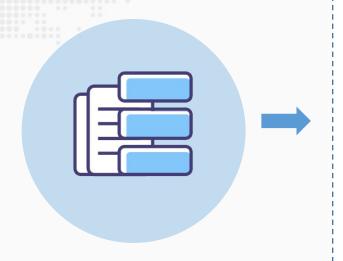


Integrating ONLYOFFICE in third-party platforms



INTEGRATION: how it works

ONLYOFFICE Document Server



Integration app (connector)

Back end:

- Conversion of data to formats of the counterpart;
- Requesting information about users and rights;
- Requesting operations with files;
- Signing (e.g. JWT requests).

Front end:

- Configuration unit (settings directory)
 for managing data transport;
- A page for the editors in the interface;
- Action buttons.

Cloud solution server



Extensive path: Official connectors by ONLYOFFICE











Extensive path: Open API for creating integration apps

















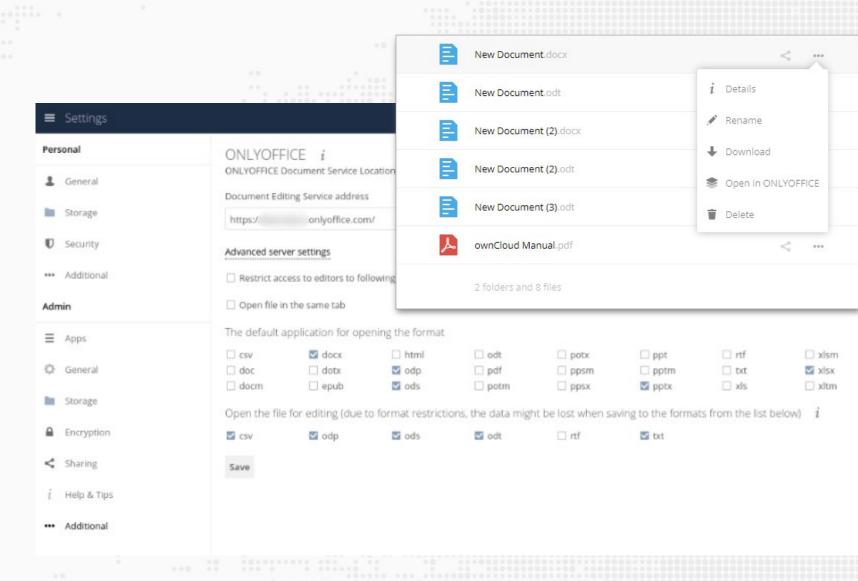


Integration: intensive path

- Extending the UI and adding advanced configuration options
- Mobile and desktop editors for integrated platforms
- New distribution formats
- Technological partnerships

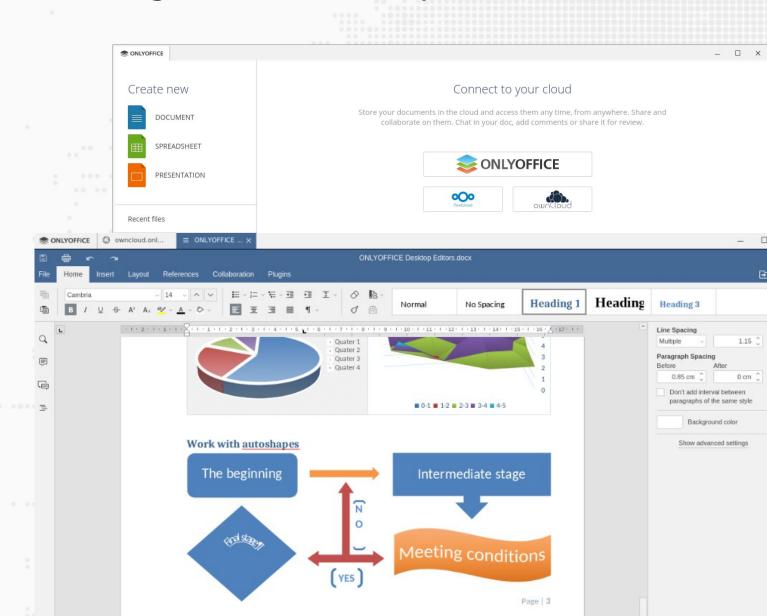
Configuration and interface enhancement

- Application access control;
- Default file opening settings;
- Instant conversion settings;
- Public sharing;
- Notifications.

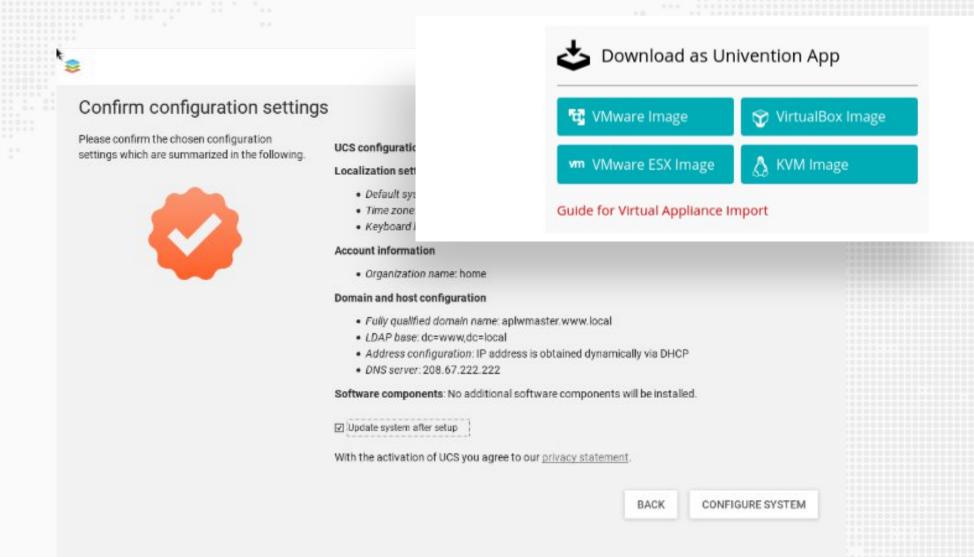


Desktop Editors for integrated cloud platforms

- Using local features not available online: fonts, plugins, spellchecker, etc.;
- Accessing the print service directly;
- Working with clipboard content with direct access to buffer;
- Connecting to multiple clouds at once from a single suite.



New distribution format: Univention virtual appliances



Next steps

 Integration with more platforms, including industry-specific services

- Mobile app integration
- Federated sharing
- In-editor notifications
- Force save
- "Download as" option
- File lock
- Mail merge
- Version history in the editor

Encrypted collaborative
editing of documents in
real time

QUESTIONS?