

ONLYOFFICE Sample Document.docx

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ONLYOFFICE Integration Edition

Co-Branded online document editors integrated with your solution

## **DOCUMENT PROCESSING & COLLABORATION**

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## WITHOUT BOUNDARIES

100% compatible with MS Office and OpenOffice;



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https://www.onlyoffice.com/registration.aspx?affillateId=XXXXX

<u>www.onlyoffice.com</u>

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## **ONLYOFFICE PROJECT: GENERAL INFORMATION**



Company:

Ascensio System SIA

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

**Product:** 

**ONLYOFFICE**<sup>TM</sup>

web office + unique online editors

**Customers:** 

Over 2,000,000 customers

in 92 countries worldwide

**Documents:** 

About 1,093,000 files stored and shared online

**Versions for:** 

Cloud, Server, Desktop, Mobile

**Supported platforms:** 

Windows, Linux, Android, iOS

**Source Code:** 

GNU AGPL v3

## **COMPREHENSIVE WORK WTH DATA STORED ONLINE**











- Feature-rich toolset
- High-quality formatting
- All key formats support









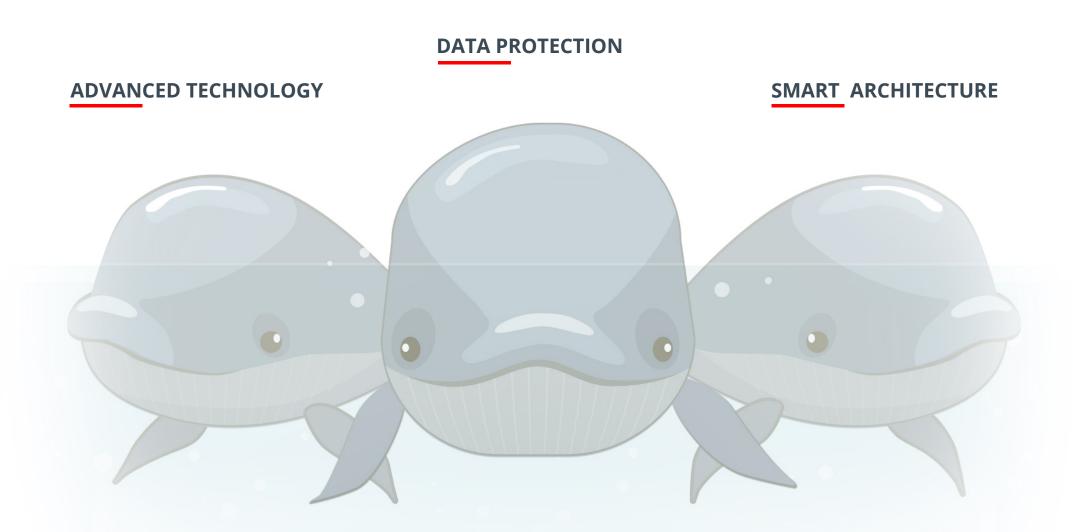




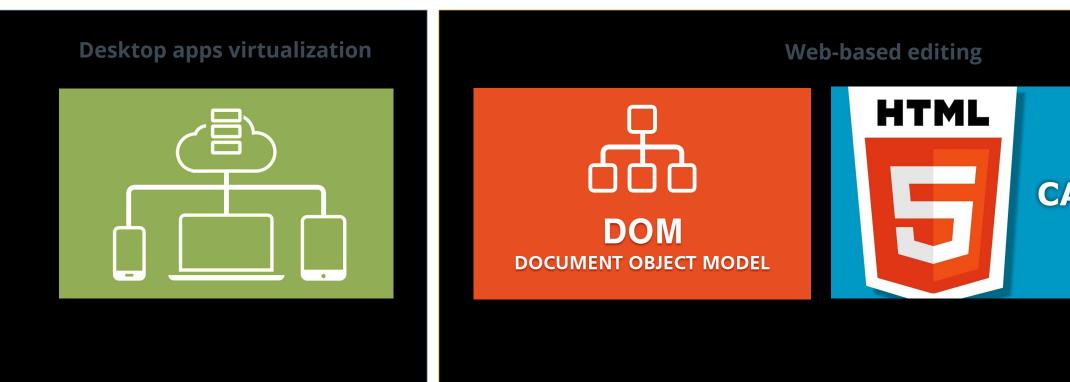


- Online access from anywhere
- Quick sharing
- Collaboration

## THREE PILLARS OF ONLYOFFICE PROJECT



## **TECHNOLOGY**

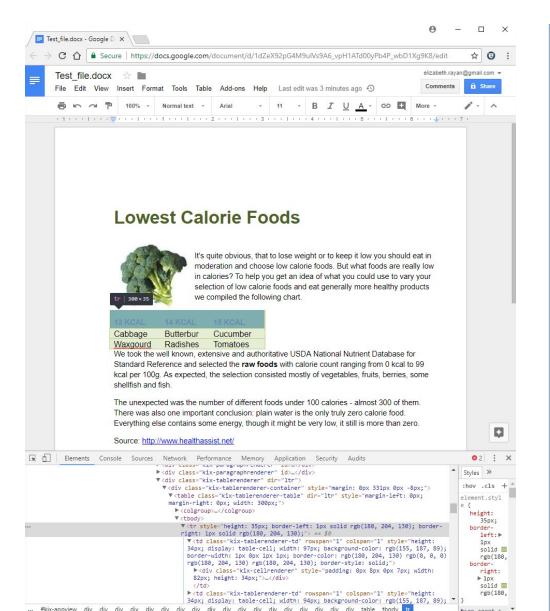


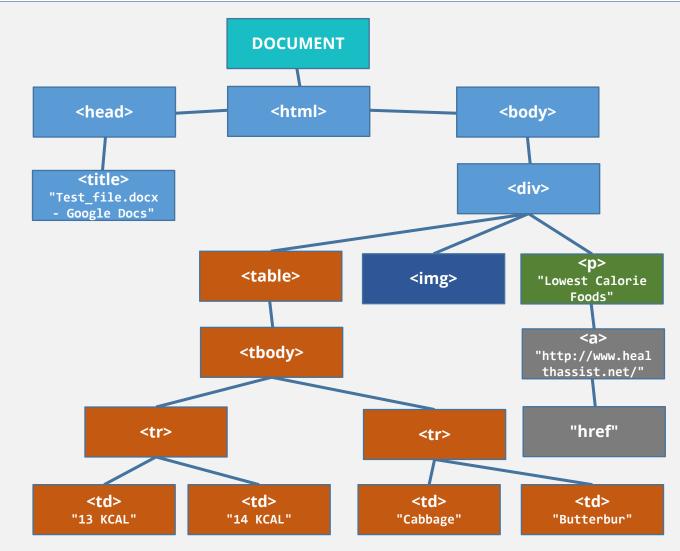


## **TECHNOLOGY: DOM VS HTML5 CANVAS**



## **TECHNOLOGY: DOM APPROACH TO ONLINE DOCUMENT EDITING**





### **TECHNOLOGY: CONTENT DISTORTION WHILE DISPLAYING IN BROWSER**

#### **MS Office Desktop**

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### **TECHNOLOGY: INSUFFICIENT FORMATTING QUALITY**

#### **MS Office Desktop**

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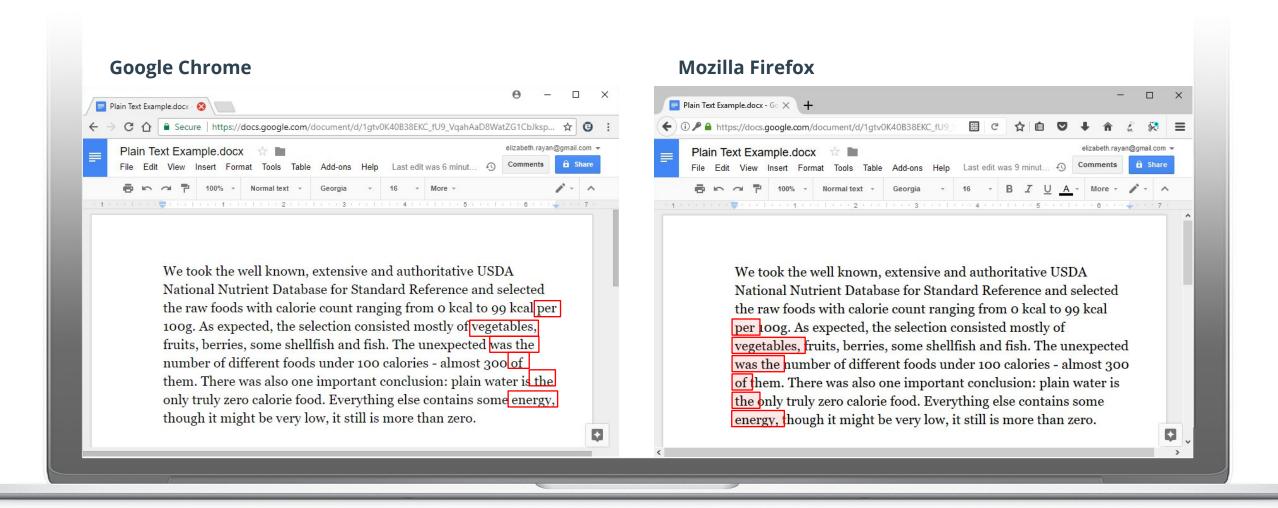
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## **TECHNOLOGY: BROWSER DEPENDENCY IN DISPLAYING CONTENT**



## **TECHNOLOGY: PROBLEMS RELATED TO DOM**

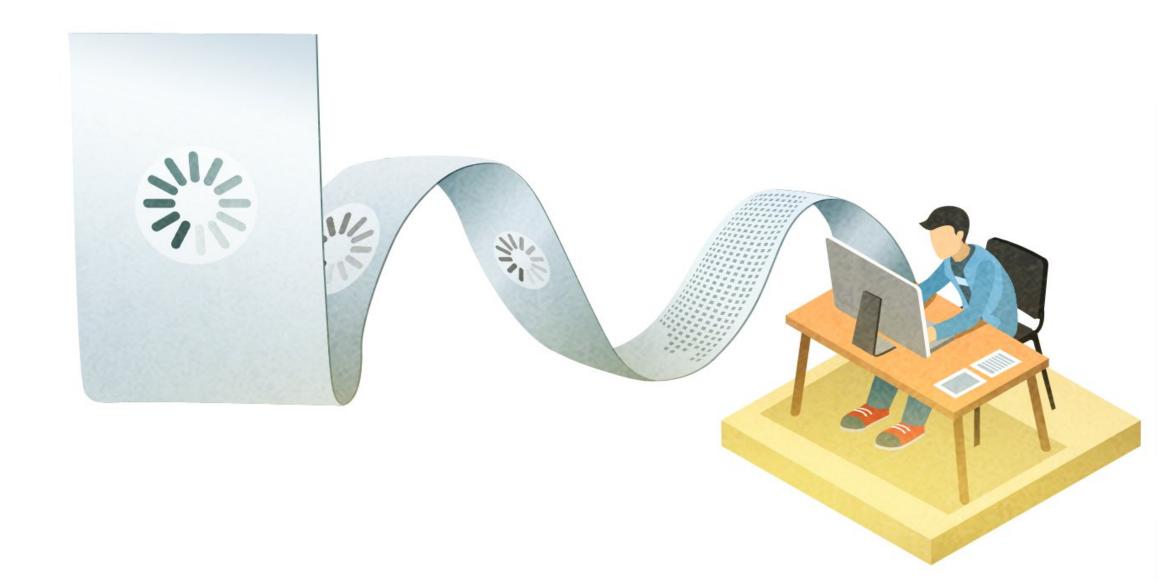
### **Drawbacks of DOM Approach**

- Merging single elements into larger objects;
- Browser dependency it uses browser tools for measuring and rendering fonts;
- No real WYSIWYG;
- High memory consumption caused by loading objects.

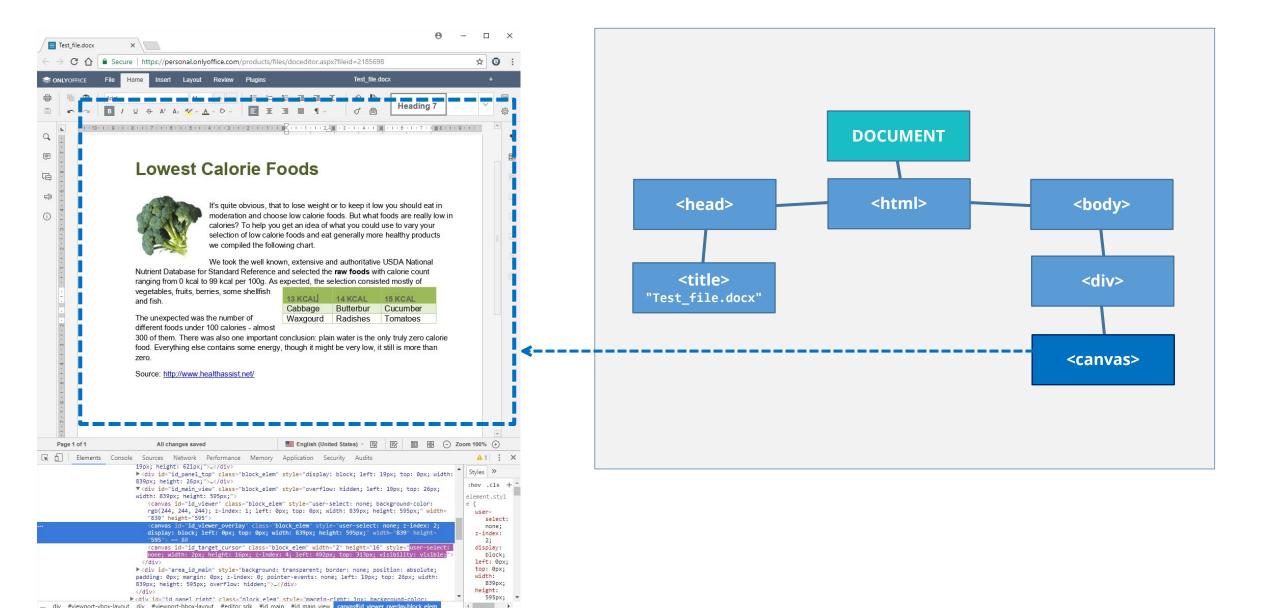
### **Issues in Document Editing**

- distortions in displaying documents in browser;
- unequal display of documents depending on browser or device;
- Weak compatibility with popular formats and desktop standards;
- Insufficient formatting quality;
- limited editing toolset;
- problems with loading and processing large multi-page documents.

## **TECHNOLOGY: HIGH MEMORY CONSUMPTION**



## **TECHNOLOGY: HTML5 CANVAS**



## **TECHNOLOGY: MAIN ADVANTAGES OF HTML5 CANVAS**





## **Browser-independent display of content**

Internal tools for font metrics analysis and text rendering



100% compatibility with popular formats



**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 multi-page documents

## **TECHNOLOGY: NEW APPROACH TO ONLINE DOCUMENT EDITING**

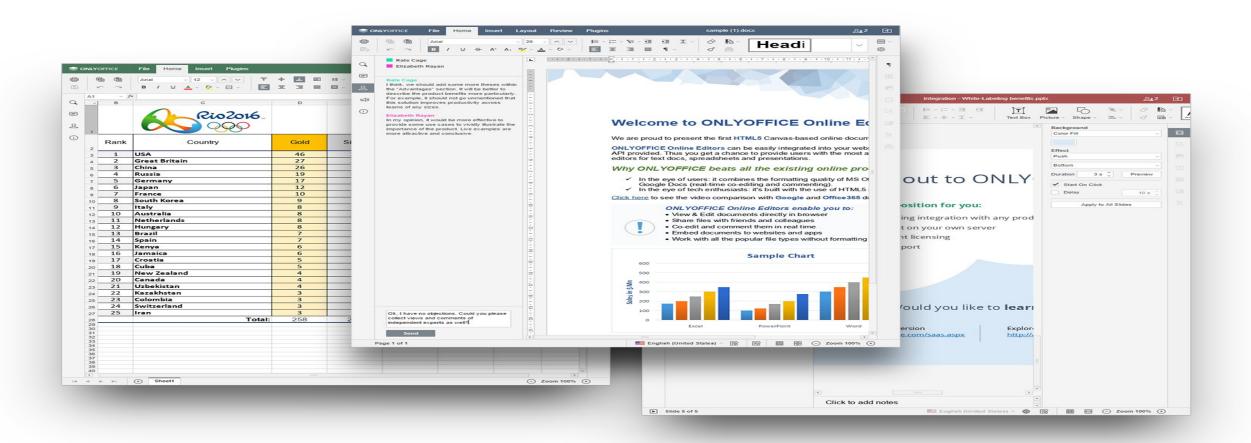


- Core technology: **HTML5 Canvas** guarantees browser compatibility
- Base format: **Open XML (.docx, .xlsx, .pptx)** guarantees file format compatibility
- Implemented exclusively in **JavaScript**
- One Engine for online, desktop and mobile editors guarantees Seamless Switch from offline to online





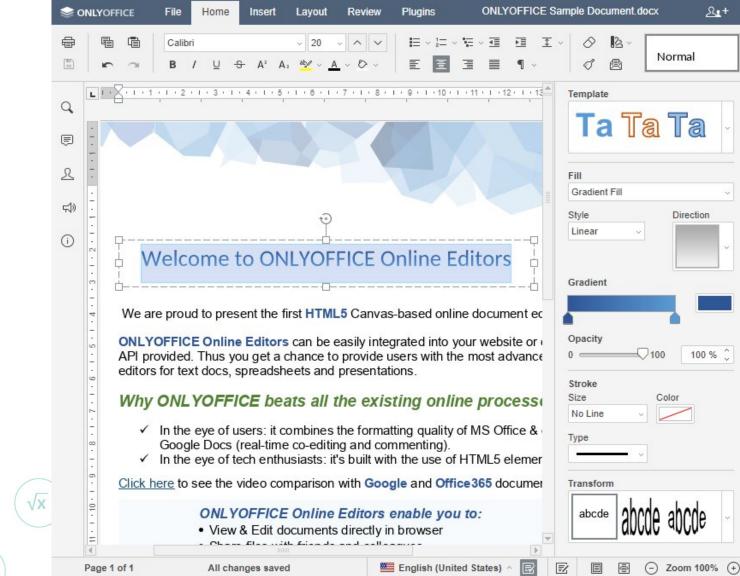
## for Documents, Spreadsheets and Presentations



### **FEATURE-RICH TOOLSET**

- Insert section breaks;
- Apply color schemes;
- Edit Inline charts;
- Work with auto-shapes;
- Insert text boxes;
- Add Text Art objects;
- Position objects precisely;
- Group objects;
- Apply Advanced view settings;
- Use Cell text formatting;



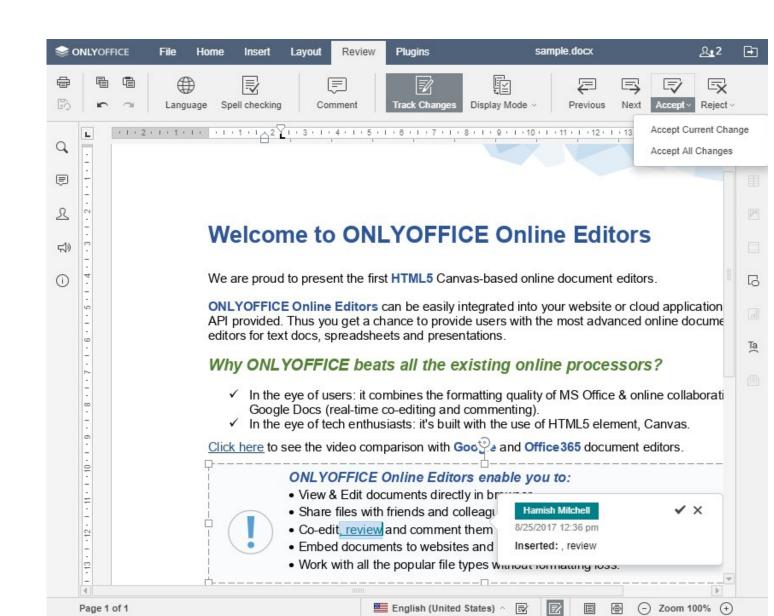


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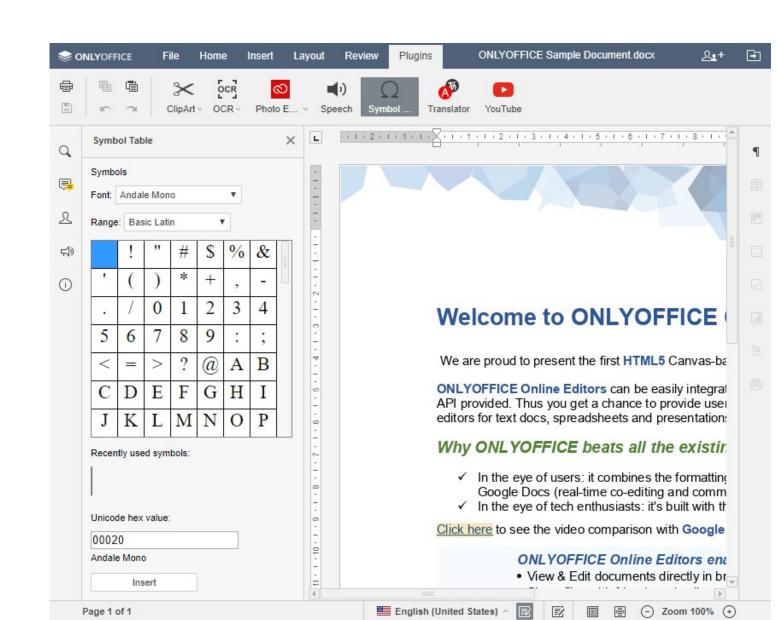
### **COLLABORATION**

- Flexible access rights;
- Strict and Fast co-editing modes;
- Version and revision control;
- Review mode;
- Track Changes;
- · Comments;
- Built-in chat.



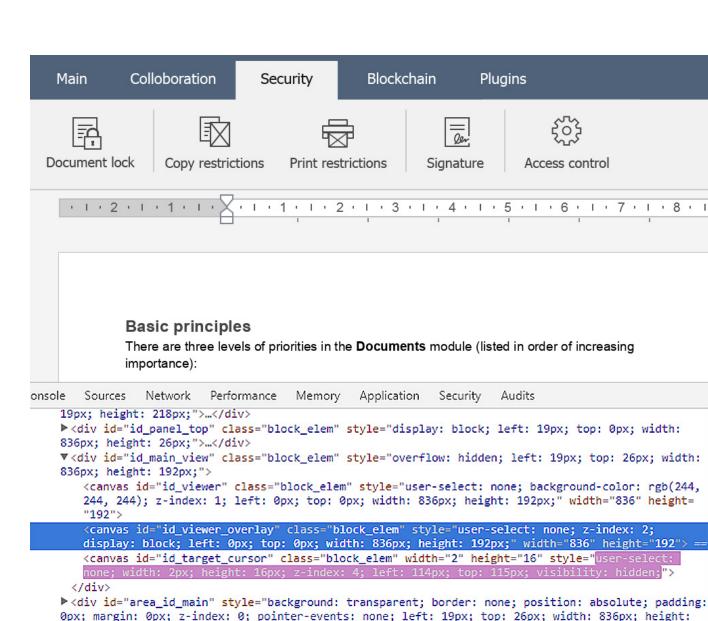
## **PLUGINS & MACROS**

- Integrated third-party plugins:
  - Symbol Table;
  - Photo Editor;
  - Translator;
  - ClipArt;and more
- The ability to create own add-ons.



### **SECURITY: DATA PROTECTION IN THE BROWSER**

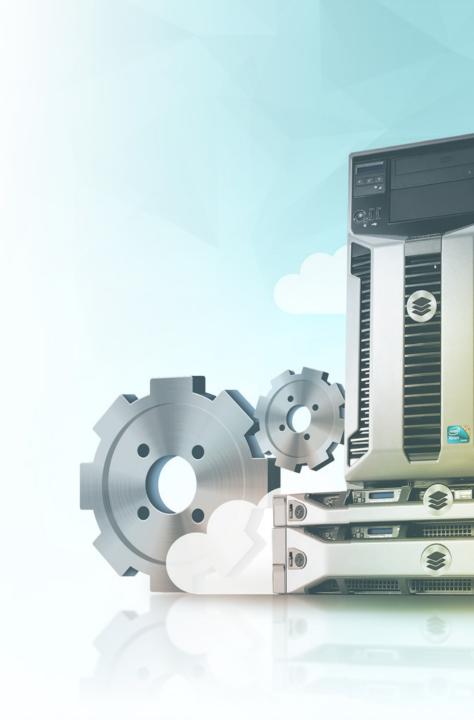
- Restrictions on copying and printing;
- Document lock feature;
- Signing documents with electronic signatures;
- Strict access control.



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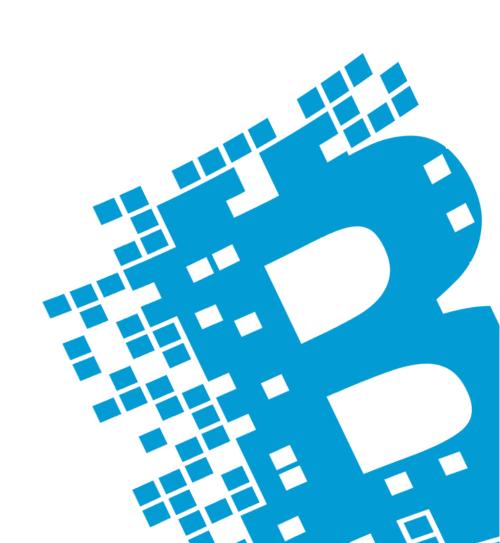
## **SECURITY: SERVER LEVEL MEASURES**

- No user data stored on server;
- Support of 256-bit AES encryption;
- JSON Web Token;
- Configurable cache lifetime.

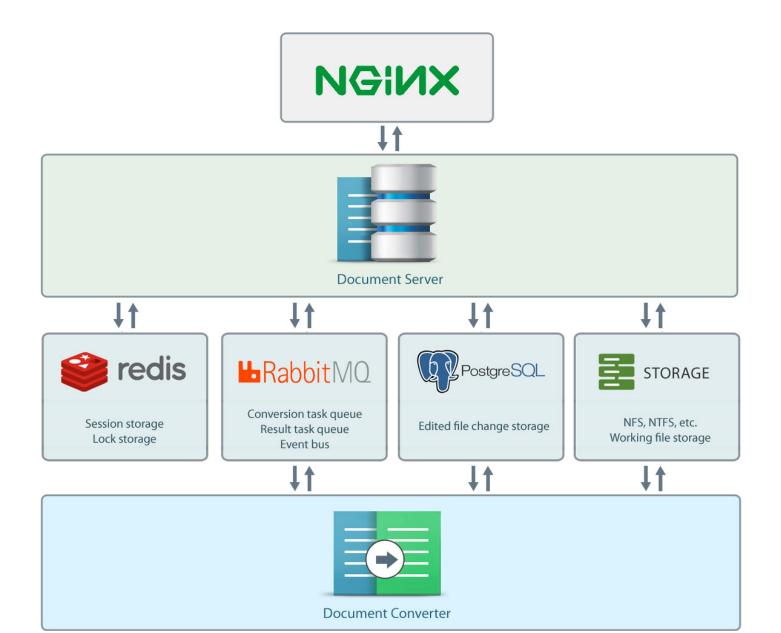


## **SECURITY: TRANSPARENT DATA PROTECTION WITH BLOCKCHAIN**

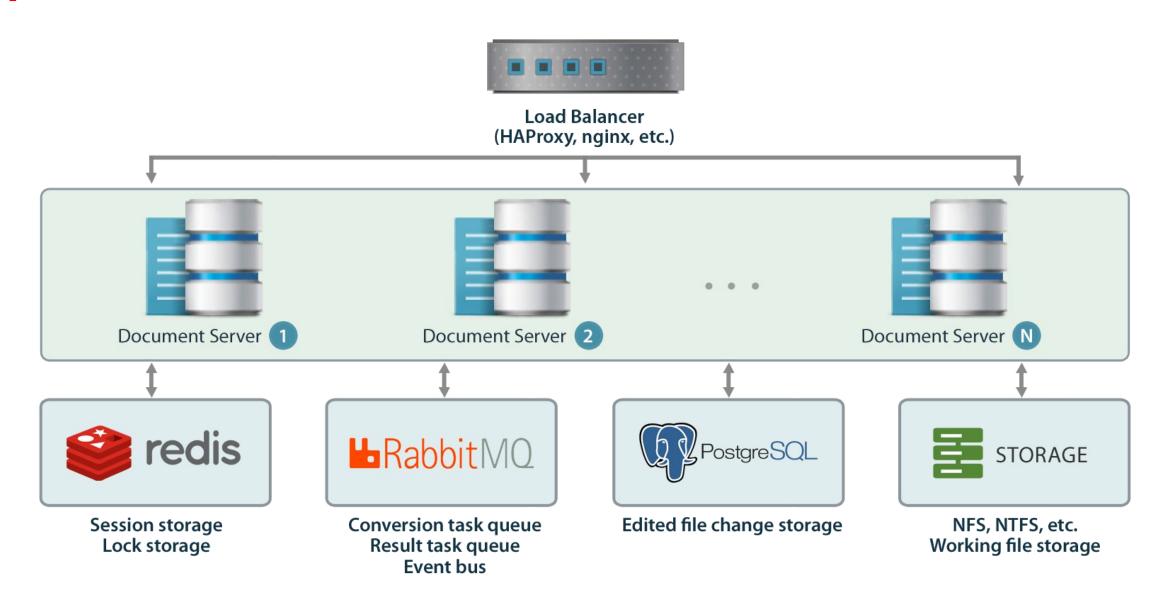
- User authorization and identification;
- Data encryption on the client;
- Protected data exchange;
- File protection in opening and saving;
- Digital signing;
- Protection against forgery.



## **SERVICE ARCHITECTURE: DOCUMENT SERVICE STRUCTURE**

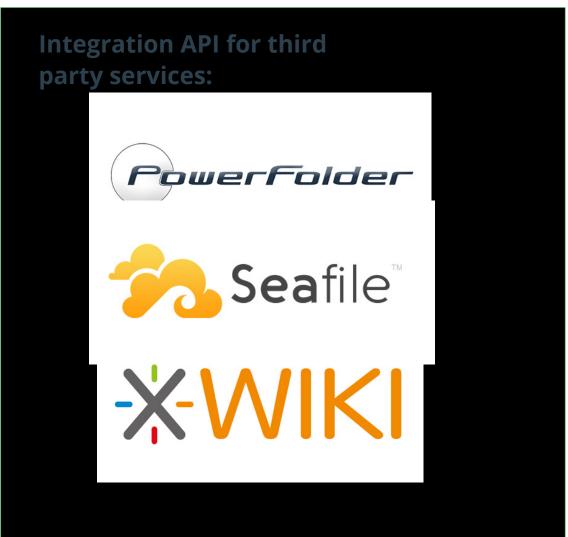


## **SERVICE ARCHITECTURE: CLUSTERIZATION**



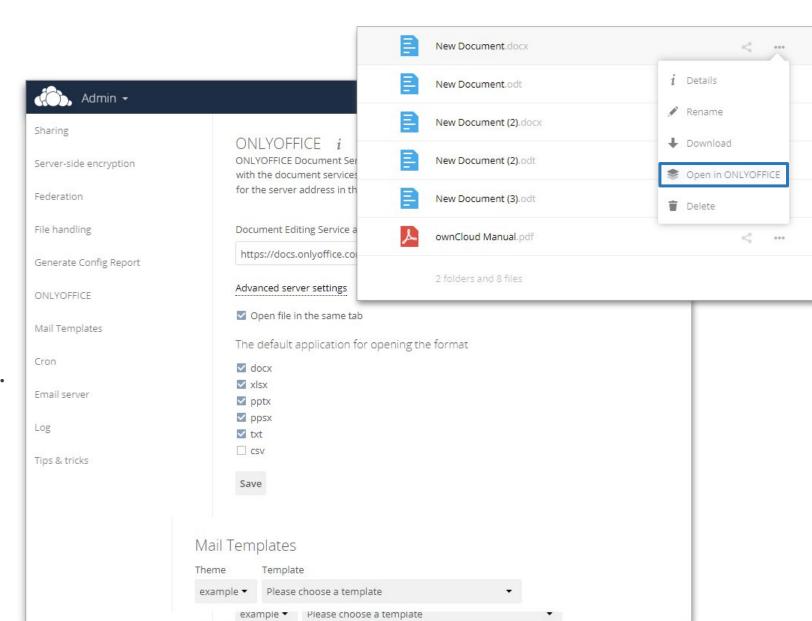
## **SERVICE ARCHITECTURE: INTEGRATION WITH ANY CLOUD SERVICE**





## **SERVICE ARCHITECTURE: INTEGRATION WITH OWNCLOUD AND NEXTCLOUD**

- File creation, editing, saving;
- All formats support: convertion to OOXML formats;
- File versioning;
- Federated share support;
- Editing of master key-encrypted files.



## **TEST US ON GITHUB**









https://github.com/ONLYOFFICE





# **QUESTIONS?**

Ascensio System SIA.

<u>www.onlyoffice.com</u>