Technical Whitepaper

This document describes the technical requirements for using the system. It specifies both minimum requirements and describes optional components.

The client settings apply to the SaaS usage as well as for customers that bought a license and use the system on a dedicated server. Consequently, the server system requirements only apply to the purchase solution.

General information

- Web-based software, no rollouts on user client machines on system installation or when updates are deployed

- Developed in the programming language PHP

- Requires about 200 MB of disk space for the application. The amount of memory needed depends on the volume of data to be managed.

Client requirements

- 32 - or 64-bit operating system: Microsoft Windows, Linux or Mac OS

- Supported web browsers: Internet Explorer 11+, Microsoft Edge, Firefox, Google Chrome

- Minimum screen resolution of 1024x768 pixel

- JavaScript and cookies enabled

Server requirements

- 32 - or 64-bit operating system

  ○ Microsoft Windows Server 2003 and newer

  ○ Linux supported distributions: Debian, Suse or Ubuntu (others on request)

- Apache Web-Server 2.x

- PHP Version 5.5, 5.6 and 7.0 with the following settings:
  ○ Memory Limit at least 256 MB
  ○ Max Execution Time: at least 30 seconds
  ○ Installed PHP Extensions: ctype, date, dom, gd, json, mbstring, mysql, pcre, session, simplexml, zip
  ○ Support of the ionCube Loader

- MySQL database from version 5.0 on
  ○ sql-mode = empty
  ○ Optimal: join_buffer=3M , query_cache activated

This is the recommended system configuration. The system will also be able to run with a different configurations and from the PHP version 4.4. However, this will cause restrictions, such as the renunciation of CalDAV. Please note that we guarantee the ability to run the system only for the recommended server system requirements.

For an alternative operating with the Microsoft IIS Web browser contact us.

Optional software libraries

By using the following external software libraries from third-party or open source developers, the functionality of the software can be extended. These libraries are not required for the operation of the software.

These components are not installed automatically during the installation, they must be installed manually. You will find the corresponding download link here.

Name	Purpose	URL
AES Crypt	File encryption is only possible with installed AES Crypt.	http://www.aescrypt.com/
ImageMagick	Generation of preview images (thumbnails). This is possible even without ImageMagick, however, in favor of sacrificing quality.	http://www.imagemagick.org
GhostScript	Generation of thumbnails of PDF files.	http://www.ghostscript.com/
ffmpeg	Generation of thumbnails of video files.	http://www.ffmpeg.org/
pdftotext	Indexing of PDF documents for full-text search. "pdftotext" is included in the software package "Xpdf".	http://www.foolabs.com/xpdf/home.html
catdoc	Indexing of Word documents 97 & 2003 for full-text search.	http://wagner.pp.ru/~vitus/software/catdoc/
xlhtml	Indexing of Excel documents 97 & 2003 for full-text search.	http://freshmeat.net/projects/xlhtml/
ppthtml	Indexing of Powerpoint documents 97 & 2003 for full-text search.	
ooo_extract	Indexing of older OpenOffice 1.0 documents (eg, sxw, sxc) for the full-text search.	http://www-users.math.umd.edu/~dcarrera/openoffice/misc/tools/ooo_extract.html

Security in SaaS operations

- Access only with a unique user name and password or OpenID

- Configurable permission system to control access to contracts and documents

- Server location: Germany - Hosting in one of the most modern and secure data centers in Germany at JiffyBox (DomainFactory). Hosting at AWS in Frankfurt is also possible.

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- Secure encryption of data transfers with SSL

- Independent, shielded software instances in their own environment with its own database

- Optional access restriction to defined, authorize IP addresses

- Optional file encryption with AES

- Optional rental of an exclusive, virtual server on which only your system will operate

- Daily backup of all data

Recommend Download-Links

- XAMPP Apache & MySQL server environment for Windows, Linux and Mac OS X: http://www.apachefriends.org/

- ionCube Loader: http://www.ioncube.com/