

Technical specifications

Independent. Operating system independent, fully web-based, and integrated.

Architecture



System requirements

Server (in On-Premises instances)

- Hardware:
- . at least two processors (equivalent to XEON 2.4GHz)
 - . 16 GB RAM
 - . 20 GB disk space (the required disk space depends on the number of managed documents)
 - . preferably as much hard disk subsystem IO performance as possible
- OS:
- . Windows Server 2019 and higher
 - . Internet Information Services (IIS)
 - . Microsoft .NET Framework 4.8
 - . SSL Certificate
- Database:
- . Microsoft SQL Server 2019 and higher, standard edition or higher. Dedicated server possible
- Optional:
- . creation of a DNS entry on an internal DNS server

Client

IMS PREMIUM is fully web based, there is no need for client installations. IMS PREMIUM only requires a workstation that is able to swiftly display Internet pages with the installed browser.

- Hardware:
- . A commercially available, Internet enabled PC for applications in the Office environment
 - . screen with a resolution of 1024x768 or higher
- Browser:
- . latest version of Microsoft Edge, Google Chrome Mozilla Firefox or Apple Safari
- Proxies:
- . No or transparent proxies for the IMS server

Authentication

Single Sign-on

IMS PREMIUM uses single sign-on to authenticate users and supports multiple standard authentication providers (e.g., Microsoft Entra ID, Okta).

An app registration is required to authenticate with Microsoft Entra ID. The official app registration from IMS PREMIUM can be used for multitenant authentication.

Single Sign-on with Microsoft Active Directory

IMS PREMIUM can also use Integrated Windows Authentication to authenticate users. This requires that the web server is set up as a member server of the domain. If the web server manages its own domain, a trust must be established between the web server and the domain controller. It is sufficient that the web server trusts the domain controller.

If users of multiple domains connect to one installation, the domain of the web server must have an established domain trust to each of these domains.

If there is no established trust relationship between the domains, authentication can be carried out via the respective domain. The information is sent in plain text.

User administration

IMS PREMIUM synchronizes users and, if desired, structures the respective systems (Entra ID, Okta, Active Directory).

To synchronize with Microsoft Entra ID, an app registration is required for each tenant. When using Microsoft Active Directory, one or more Windows domains can be stored for synchronization.

Synchronization of the source systems can also be configured to only synchronize partial areas such as individual users and OUs, as well as users based on a property, such as certain values in the Company field.

Other systems for use as a preliminary system for comparing user information on request.

Installation

The installation is carried out by IMS.

IMS PREMIUM options - requirements

PDF for Viewer

In order to be able to generate PDF files for Viewer, an Installation of Microsoft Office will be used. Preferably this installation will be placed on a separate server. The functions "Refuse to print" and "Content cannot be copied" are only reliably supported by Adobe Reader.

Office product requirements:

- Microsoft Office 2010 or higher must be installed
- There are no dependencies such as language and architecture (32-bit or 64-bit) of the Office installation

Installation / environment requirements

- When macros have to be executed while converting a document, signatures are recommended
- When documents and templates contain links to an URL where an authentication is required, these URLs have to be trusted. The trust can be assured through one or both of the following settings:
 - Declaration of the URL as local intranet
 - Declaration of the URL in "AuthForwardServerList", see

<https://learn.microsoft.com/en-us/troubleshoot/windows-server/networking/credentials-prompt-access-webdav-fqdn-sites>

Inserting document information in Office files (DocProperties)

To enable document information to be written in Office 97-2003 file formats, a DLL from Microsoft must be registered on the web server. For more information, see

https://www.betaarchive.com/wiki/index.php/Microsoft_KB_Archive/224351

Full-text search in documents

To configure full-text search, the service Windows Search is required on the web server.