
White Paper

Office Automation Suite 5.0



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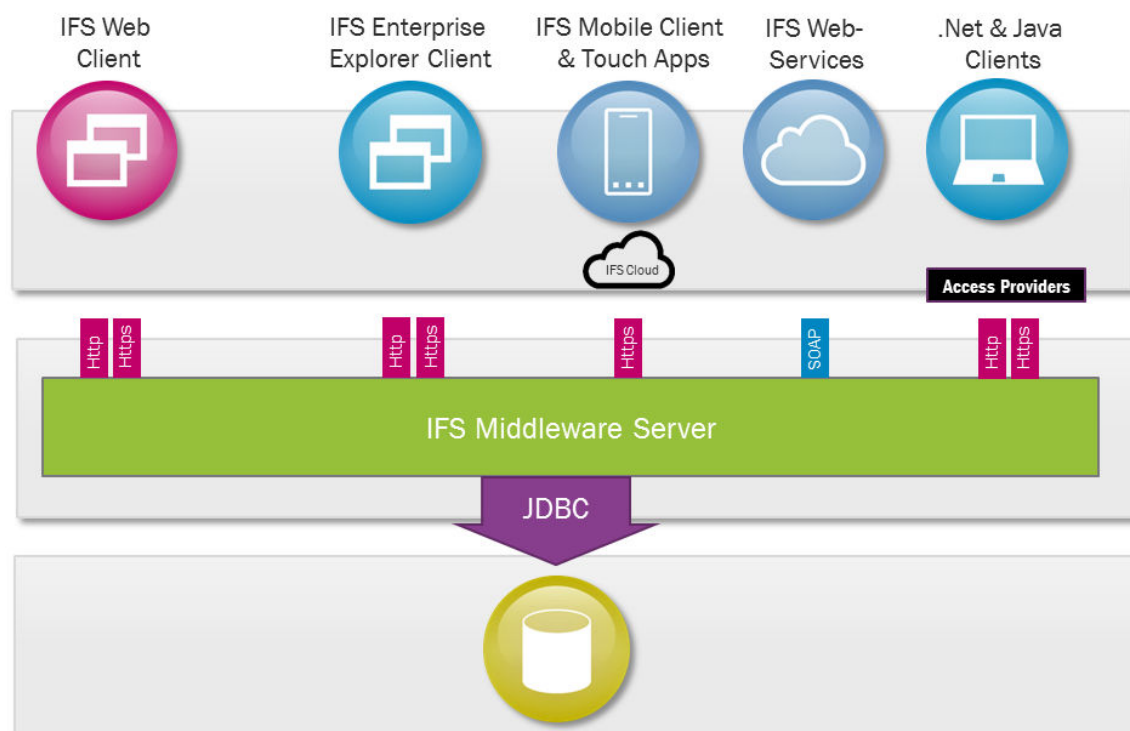
1 Infrastructure & technology

Addovation Office Automation Suite (OAS) is built on the recommended integration component delivered by IFS World called IFS .NET Access Provider normally found within the add-on section for a typical IFS installation:

- Add-ons:**
- If running Chrome as default browser, you need to install an extension to get the IFS Enterprise Explorer links to work properly. The extension consists of two parts: an [msi file](#) that needs to be installed on the client machine and a [Chrome extension](#) that needs to be installed from Chrome Web Store.
 - To run IFS Document Management in Microsoft Office you need to install the [Document Management Office Add-in](#). As a prerequisite you need to install [Visual Studio 2010 Tools for Office Runtime](#). (Run vsor, instructions to install the Visual Studio Tools for Office runtime). For more information about installing and configuring the add-in, open the online documentation for IFS Applications and navigate to Topics / Create and Maintain Document / Office Add-In.
 - To run IFS Document Management in IBM Lotus Notes you need to install the [Document Management Widget for Lotus Notes](#). The widget can be installed by performing 'drag and drop' of the above link to the 'My Widgets' panel of an IBM Lotus Notes Client. In case the above link fails to install, then download the zip file through [Update site for Document Management Widget for Lotus Notes](#), and follow the instructions in ReadMe.txt included in the zip file. For more information about installing and configuring the widget, open the online documentation for IFS Applications and navigate to Topics / Create and Maintain Document / IBM Lotus Notes Widget.
 - To run IFS Business Reporter in Microsoft Excel you need to install the [IFS Business Reporter Add-in](#). If you would like to install IFS Business Reporter pre-requisites, run [IFS Business Reporter prerequisites Setup](#).
 - To run IFS Project Management in Microsoft Project you need to install the [Microsoft Project Add-in](#). As a prerequisite you need to install [Visual Studio 2010 Tools for Office Runtime](#).
 - To run IFS Asset Information Integration Manager you need to install the [Asset Information Integration Manager](#).
 - To create and update data in IFS Applications using Microsoft Excel you need to install the [IFS Data Migration Excel Add-in](#). As a prerequisite you need to install [Visual Studio 2010 Tools for Office Runtime](#).
 - To run IFS Time Clock client you need to install the [Time Clock client](#).
 - To run and develop .NET based add-ins for IFS you need to install the [IFS .NET Access Provider](#).
 - KPI Services requires the SQL Server ADOMD and AMO providers based on the system type of the client computer.
 - ADOMD Provider for SQL Server - [for 32 bit OS](#) [for 64 bit OS](#)
 - AMO Provider for SQL Server - [for 32 bit OS](#) [for 64 bit OS](#)
 If you would like to install these providers via Microsoft web site, download SQL_ASR_ADOMD.msi, SQL_ASR_AMO.msi based on the system type of the client computer from [Microsoft® SQL Server® 2014 Feature Pack](#) or [Microsoft® SQL Server® 2015 Feature Pack](#).
 - To enable Skype for Business / Lync integration for Streams you need to install the [Lync 2010 SDK Redistributable](#).
 - To run Warehouse Data Collection on a scanning device operating on Windows Mobile OS, you need to install the [WidgetInstaller.CAB](#) on the scanning device.
 - To Download IFS Touch Apps

The IFS Access Provider allows clients to communicate in the same way as IFS Enterprise Explorer in terms of:

- Authentication.
- Security by preserving same rights to database objects known as API:s or business logic.



More can be read from

http://<yourIFSinstallation>/ifsd/doc/f1doc/foundation1/010_overview/400_core_server/005_access_provider/default.htm.

2 System requirements

The table below describes the system requirements for client machines.

System Requirements for OAS	
Operating System	Windows 10 (32-bit or 64-bit) and above Windows Server 2016 (32-bit or 64-bit) and above
Memory	4 GB RAM or more
CPU	Intel/AMD (Dual core or more recommended)
Microsoft Office	Office 2013 (32 or 64-bit) *) No longer supported by Microsoft Office 2016 (32 or 64-bit) or above
.NET Framework	Full 4.6.2 or newer

*) Other Microsoft Windows versions might work but is unsupported.

3 Compatibility matrix

Office Automation Suite is compatible with/requires the following operating systems, frameworks and applications.

Please, see the updated compatibility matrix on <https://www.addovation.com/technical-info-oas/>
Office Automation Suite is compatible with/requires the following operating systems, frameworks and applications:

Supports / Requires	OAS version:	5.0
Windows Server 2012 ¹	(32 and 64 bit versions)	✗
Windows Server 2016	(32 and 64 bit versions)	✓
Windows 7 ³	(32 and 64 bit versions)	✗
Windows 8 ³	(32 and 64 bit versions)	✗
Windows 10	(32 and 64 bit versions)	✓
Office 2010 ³	32/64 bit (separate MSI files)	✗
Office 2013 ³	32/64 bit (separate MSI files)	✗
Office 2016	32/64 bit (separate MSI files)	✓
Office 2019	32/64 bit (separate MSI files)	✓
Office 365 Web	Only Windows installations	✗
Citrix	XenApp 6	✓
.Net 4.6.2	or higher	✓
IFS Applications	7.x ²	✓
IFS Applications	8	✓
IFS Applications	9	✓
IFS Applications	10	✓
Aurena (IFS 10)	Aurena web interface	✗
Adobe Acrobat X (10)		✗
Adobe Acrobat XI (11)		✗
Adobe Acrobat DC (12)		✓

Notes:

1. Windows Server 2012 32/64 bit may work but is not supported.
2. Support for IFS Applications 7.5 (SP2 and SP6) in OAS 4.4.
3. Not supported but may work.

Note that OAS 5.0 replaces previous versions of OAS e.g. 4.4. We have added new features, bugfixes and extra support for Office 2016, Office 365 editions, Windows 10 updates, OneDrive and FTP file systems (EDM).

4 Technologies involved

Addovation has used the below technologies to build the Office Automation Suite Add-in for Microsoft Office.

1. .NET Framework (Started with 2.0 and today its 4.6.2)
2. Microsoft Visual Studio 2017 and above
3. Microsoft Office 2016 and above
4. Component Object Model (COM)
5. Shared add-ins based on COM (loadable in many hosts)
6. Microsoft Office Interop based on COM
7. SQL queries (Oracle database) and also PLSQL statements
8. Visual Basic for Applications (VBA) used for Addovation Power Tools
9. Windows Presentation Foundation (WPF)
10. Windows Installer XML Toolset (WiX) to produce MSI installer files.
11. Team Foundation Server 2017

5 Limitations

Non-standard configurations in terms of authentication towards IFS Applications is not supported. Also customizations that might affect standard API:s being used is not supported, for full list of used queries and API:s please contact Addovation if in doubt.

Installation of software requires writing to registry in local machine hive. Addovation OAS requires thick client of Microsoft Office to be installed.

Addovation does not install any special views or packages in the database besides presentation objects. These presentation objects do not affect standard IFS Applications and is only being used in order to control visibility and behavior of buttons. It is required for every update of the MSI package to install the latest permission objects inside IFS Applications.

The granting of presentation objects is also subject to audit. Granting of these presentation objects to 100 users means that you are currently consuming 100 licenses.

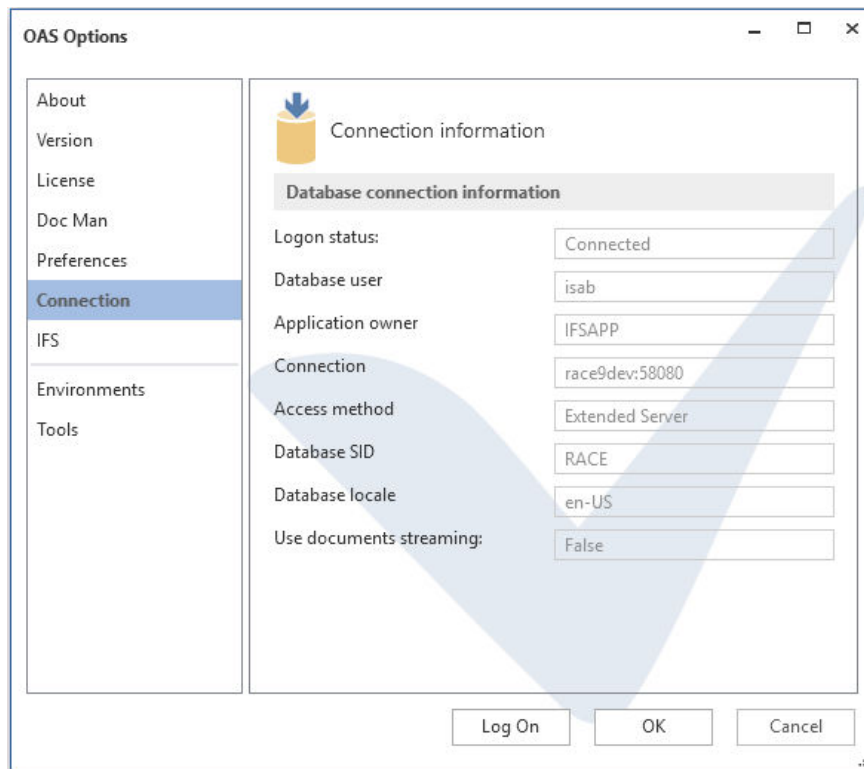
6 GDPR compliance

Office Automation Suite from Addovation obeys regulations controlled by GDPR and communicates in the same way as IFS Applications Enterprise Explorer 7, 8, 9 and 10.

The only information that is being stored is locally on the client machine in regards of OAS is:

In session

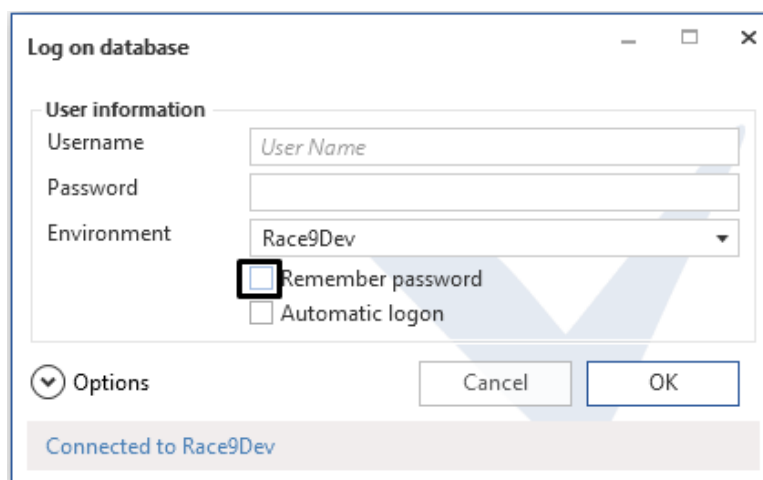
While being logged on, information about username is being stored in the session, it can be viewed here:



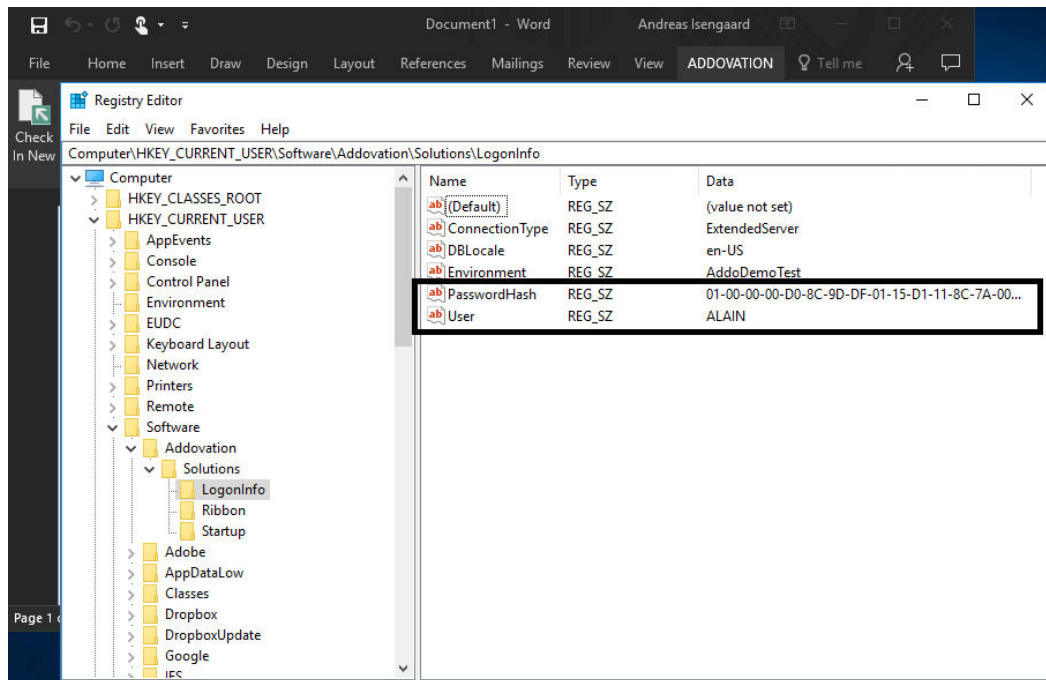
Purpose is to hold enough information to re-negotiate towards IFS Applications if session expires. Information vanishes after close of application and is being stored in-memory only.

Username and password

If the end-user is not running SSO, and has checked this setting in the logon dialog:



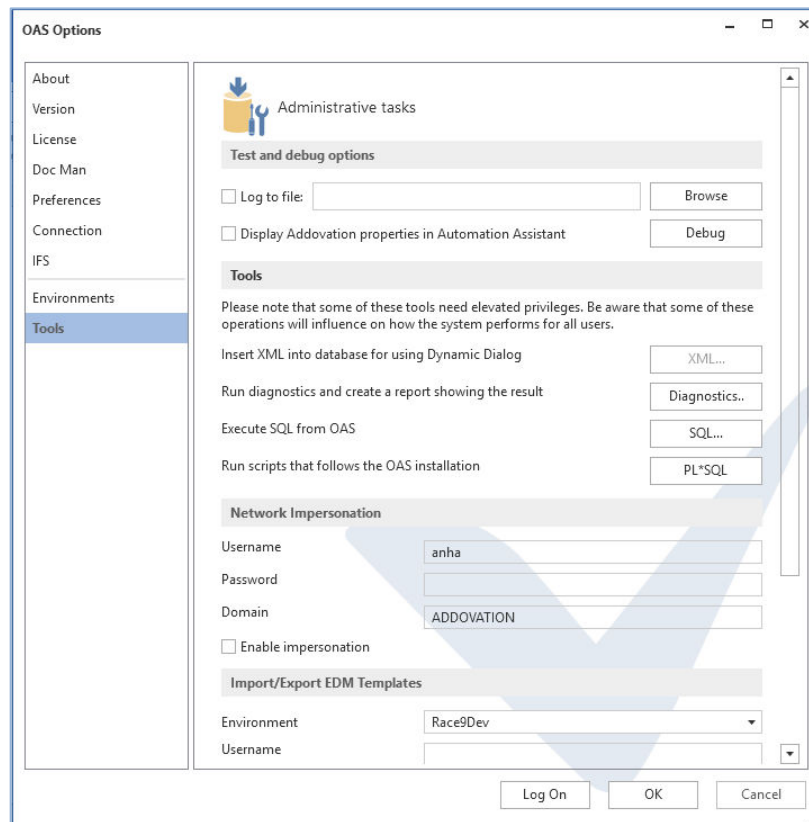
Then encrypted information is being stored in the registry:



Purpose is to give a SSO experience for all the end-users that uses Oracle authentication. Registry key can easily be deleted.

Log file

If the end-user has enabled log on information, all the commands and PLSQL blocks will be stored in the file:



Purpose is to ease debugging for support personnel. Log file can easily be deleted. No passwords are being stored in log file.

7 Contact

For further inquiries, please contact your nearest Addovation office:

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For existing customers, please use <http://support.addovation.com>