

Office Automation Suite V 5.2



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Infrastructure & technology 1

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:

- If running Chrome as default browser, you need to instal an extension to get the HS Enterprise Explorer links to work properly The extension consists of two parts, an <u>mail line</u> that needs to be installed on the client machine and a <u>Chrome wellensing</u> that needs to be installed from Chrome VHeS torker.
- To run IFS Document Management in Microsoft Office you need to instal the <u>Document Management Office Add-in</u> As a prerequisite you need to instal <u>Visual Studio 2010 Tools for Office Runtime</u> (Run visor, redist are to instal the Visual Studio Tools for Office runtime). For more information about installing and configuring the add-in, goeth the ontime documentiation for 15 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 <u>Document Management Widget for Lotus Notes</u>. The widget can be installed by performing 'drag and drop' of the above link to the 'Wy Widget's panel of an IBM Lotus Notes Clent. In case the above link fails to install, the download the zoopd update is the through <u>Lotudus Notes Clent</u>.
 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 <u>IFS Business Reporter Add-In</u>.
 If you would like to install IFS Business Reporter pre-requisites, run <u>IFS Business Reporter pre-requisites Setur</u>
- To run IFS Project Management in Microsoft Project you need to install the <u>Microsoft Project Add-In</u>. As a prerequisite you need to install <u>Visual Studio 2010 Tools for Office Runtime</u>.
- 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 <u>Visual Studio 2010 Tools for Office Runtime</u>.
- . 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 IES
- KPI Se

For Services requires the SOL Service ADD and ADD and ADD provides the system type of the client computer.
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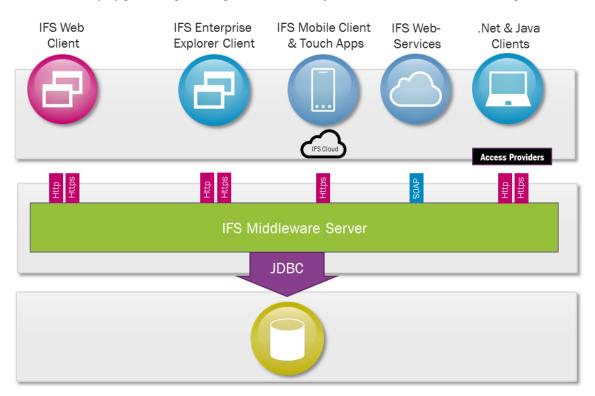
To enable Skype for Business / Lync integration for Streams you need to install the Lync 2010 SDK Redistrib

 To run Warehouse Data Collection on a scanning device operating on Windows Mobile OS, you need to install the Wa plostaller 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>/ifsdoc/f1doc/foundation1/010_overview/400_core_server/005_access_provid er/default.htm.

2 System requirements

The table below describes the system requirements for client machines.

System Requirements for OAS				
	Windows 10 (32-bit or 64-bit)			
Operating System	Windows 11 (32-bit or 64-bit)			
	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 2016 (32 or 64-bit) or above			
WIICHOSOIL OILICE	Microsoft Office 365 for Windows (Semi-Annual Enterprise Channel)			
.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 listed in the following page (follow the link below to view)

https://www.addovation.com/technical-info-oas/

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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 does 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.

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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:

OAS Options		_ 🗆 ×		
About Version	Connection information	on		
License	Database connection information			
Doc Man Preferences	Logon status:	Connected		
Connection	Database user	isab		
IFS	Application owner	IFSAPP		
Environments	Connection	race9dev:58080		
Tools	Access method	Extended Server		
TOOIS	Database SID	RACE		
	Database locale	en-US		
	Use documents streaming:	False		
	Log O	On OK Cancel		

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:

\checkmark	Sign in	×
Username	dara	
Password	****]
Environment	AddoDev9 👻	
	Remember me	
 Options 	Cancel OK]
Connected to Ad	doDev9	



Then encrypted information is being stored in the registry:

H	5-0 & - -	Docu	ment1 - Word	Andreas Isengaard			
File	Home Insert Draw Design Li	ayout Reference	s Mailings Revie	w View ADDOVATIO	N Q Tell me	A 🗅	
Check In New	Registry Editor File Edit View Favorites Help Computer\HKEY_CURRENT_USER\Software\A	ddovation\Solution	ns\LogonInfo			- 0	×
Page 1	Computer Computer KEV_CLASSES_ROOT KEV_CURRENT_USER AppEvents Console Control Panel EDC EUDC Keyboard Layout Network Printers Remote Classes Addovation Adobe AppDatLow Classes Dropbox Dropbox Eusc LEDC LEDC	ab Ci ab Di ab Er	efault) REG_ onnectionType REG_ BLocale REG_ ivironment REG isswordHash REG_	SZ ExtendedS SZ en-US SZ AddoDem SZ 01-00-00-00-00-00-00-00-00-00-00-00-00-0	erver	15-D1-11-8C-7A-0	0

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

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Log file

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

AS Options			_ □
About Version License	Administrative tas	iks	
license Doc Man	Test and debug options		
references	Log to file:		Browse
Connection	Display Addovation proper	ties in Automation Assistant	Debug
=S	Tools		
nvironments ools		e tools need elevated privileges. Be awar pw the system performs for all users.	e that some of these
	Insert XML into database for us	sing Dynamic Dialog	XML
	Run diagnostics and create a r	eport showing the result	Diagnostics
	Execute SQL from OAS		SQL
	Run scripts that follows the OA	AS installation	PL*SQL
	Network Impersonation		
	Username	anha	
	Password		
	Domain	ADDOVATION	
	Enable impersonation		
	Import/Export EDM Templa	ates	
	Environment	Race9Dev	•
	Username		
		Log On	OK Cancel

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

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7 Contact

For further inquiries, please contact Addovation through sales@addovation.com

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