White Paper
Automation
AIS-Document
Agent
v2.1



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1 Infrastructure & technology

Addovation Document Agent 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:

To create and update data in IFS Applications using Microsoft Excel you need to install the IFS Data Migration Excel 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_AS_ADOMD.msi, SQL_AS_AMO.n

Figure 1 - IFS .NET Access Provider

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

- Authentication, users are managed by and in IFS Applications
- Security, by using IFS Applications to determine access to data and database objects such as API's or so-called business logic

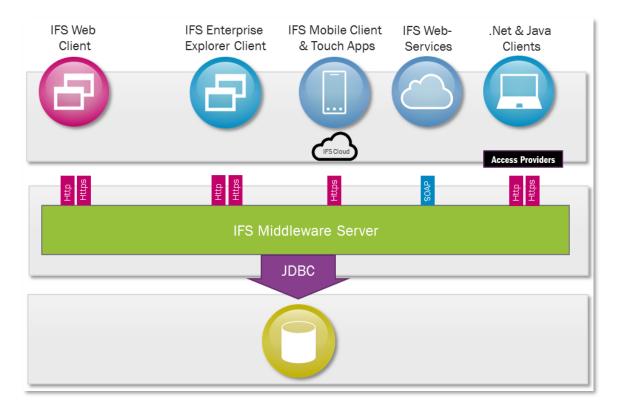


Figure 2 - IFS Application Architecture

More information about this can be found in documentation included with your local IFS Applications installation. Replace the server name (<yourIFSinstallation>) with your installation's path to read the following file:

http://<yourlFSinstallation>/ifsdoc/f1doc/foundation1/010_overview/400_core_server/005_access_pro_vider/default.htm.



Addovation Document Agent is listening on either a folder, folder structure or POP3 email account. The following drawing describes overall process:

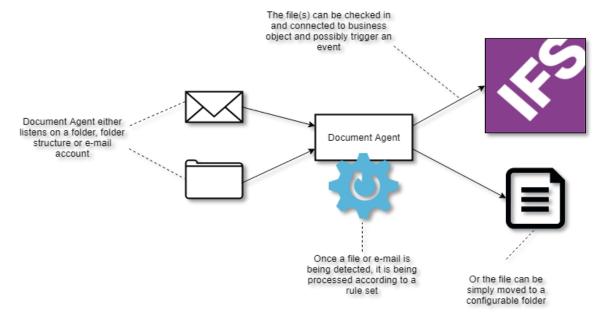


Figure 3 – DOC AGENT Solution Architecture



2 System requirements

The table below describes the system requirements for client machines.

System Requirements for Addovation Document Agent				
Operating System	Windows 10 (32-bit or 64-bit) and above			
Operating System	Windows Server 2019 (32-bit or 64-bit) and above			
Memory	4 GB RAM or more			
CPU	Intel/AMD (Dual core or more recommended)			
.NET Framework	Full 4.6.2 or newer			
E-mail server	Office365 or Microsoft Exchange 2019			
E-mail protocol	POP3 only, IMAP is NOT supported			

^{*)} Other versions of Microsoft Windows and/or IIS might work, but they are not supported. There is no support for Azure Stack nor Microsoft Exchange on-premise.

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3 Compatibility matrix

Addovation Document Agent module is compatible with/requires the following operating systems, frameworks, and applications:

SUPPORTS / REQUIRES	VERSION / BITNESS	DOCUMENT AGENT
WINDOWS SERVER 2012	32 and 64	×
WINDOWS SERVER 2016	32 and 64	✓
WINDOWS SERVER 2019	32 and 64	✓
WINDOWS 7	32 and 64	×
WINDOWS 8	32 and 64	×
WINDOWS 10	32 and 64	✓
IFS APPLICATIONS	7	×
IFS APPLICATIONS	8	×
IFS APPLICATIONS	9 Upd 15	✓
IFS APPLICATIONS	10 Upd 9	✓



4 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 does not install any special views or packages in the database.



5 GDPR compliance

Addovation Document Agent from Addovation obeys regulations controlled by GDPR and communicates in the same way as IFS Applications Enterprise Explorer 8, 9 and 10.

The only information that is being stored is locally on the machine that are settings in the configuration file:

Purpose is to bridge the communication between Document Agent service and IFS Application.

```
config-IFS10.xml
        <?xml version="1.0" encoding="utf-8"?>
      =<Parameters>
  3
          <USE METHOD>FOLDER</USE METHOD>
  4
          <SOURCEFOLDER>C:\DocAgent\In</SOURCEFOLDER>
  5
          <TOPDIRECTORY ONLY>True</TOPDIRECTORY ONLY>
  6
          <XSLT>C:\DocAgent\Xslt\MappingMapTodocument.xslt</XSLT>
  7
          <LOG FOLDER>C:\DocAgent\Log</LOG FOLDER>
          <IFS USERNAME>YasAoGOJWXmI+2wIMeg4GA==</IFS USERNAME>
  8
  9
          <IFS PASSWORD>YasAoGOJWXmI+2wIMeg4GA==</IFS PASSWORD>
          <IFS APPOWNER>SswmmUU+GqQ5riQSxdnejQ==</IFS_APPOWNER>
 10
          <IFS EXTSERVER>UgospnxViKszyDCvPEBR3sKneATMHPntaQrJFOn2ztEQELND2;
 11
 12
          <MAIL SAVEATTACHMENTSONLY>False
/MAIL SAVEATTACHMENTSONLY>
 13
         <MAIL USESSL>False</MAIL USESSL>
 14
          <MAIL FORMAT>EML</MAIL FORMAT>
 15
          <IFS VERSION>IFSApplications10</IFS VERSION>
          <MESSAGE TRACKING>jQasbMJKOndZs4NEgFpflA==</MESSAGE TRACKING>
 16
 17
       </Parameters>
```

Figure 4 - Encrypted Details



Located in selected installation folder: - Document Agent × 2 Home Share ← → ▼ ↑ 📙 « Addovation » Automation Server » Document Agent Search Document Agent 📙 lmage 🖈 🛕 Name Date modified Туре Size Images Addo.Fnd.Library.dll 8/17/2020 12:21 PM Application exten... 42 KB Modified Addo.Fnd.Logic.dll 8/17/2020 12:21 PM Application exten... 1,276 KB Original Addo.Fnd.Mail.dll 8/17/2020 12:21 PM Application exten... 64 KB Addo.Fnd.Office.dll 8/17/2020 12:21 PM Application exten... 60 KB OneDrive Addo.Fnd.WPF.dll 8/17/2020 12:21 PM Application exten... This PC Addo, Mess Tracking, Data Collection, dll 8/17/2020 12:21 PM Application exten... 44 KB Addovation.Core.Library.dll 8/17/2020 12:21 PM Application exten... 19 KB 3D Object Altova.AltovaXML.dll 8/17/2020 12:18 PM Application exten... 14 KB Desktop AltovaXML.inst 8/17/2020 12:18 PM INST File 1 KB Documer AltovaXML_COM 8/17/2020 12:18 PM Application 13,550 KB - Download BouncyCastle.Crypto.dll 8/17/2020 12:17 PM Application exten... 2,316 KB Music config-Folder 7/6/2020 5:06 PM XML Document 2 KB Pictures MailKit.dll 8/17/2020 12:17 PM Application exten... 741 KB Videos Microsoft.Office.Interop.Word.dll 8/17/2020 12:18 PM Application exten... 919 KB 8/17/2020 12:17 PM 882 KB MimeKit.dll Application exten... Windows MsaKit.dll 8/17/2020 12:17 PM Application exten... 321 KB 🛖 duja (\\ac office.dll 8/17/2020 12:18 PM Application exten... 447 KB nublic (\\ OpenMcdf.dll 8/17/2020 12:17 PM Application exten... 60 KB 🛖 developn stdole.dll 7/23/2020 5:05 PM Application exten... 25 KB Network 🗸 System.Windows.Interactivity.dll 8/17/2020 12:17 PM Application exten... 39 KB 35 items 1 item selected 1.24 KB

Figure 5 - Located Folder

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.



6 Contact

For further inquiries, please contact your nearest Addovation office:

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

For further inquiries, please have a look at www.addovation.com for contact information.