FOIAXpress popexus

Deployment Manual

Version 1.4



FX 11.7.X Deployment Manual

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Version History

Version	Date	Revision Summary
1.0	1/12/2024	New version for v11.5.0
1.1	5/10/2024	Added steps for enabling the Pendo integration (for SaaS customers only). See Section 10.9 for details.
1.2	7/3/2024	There are several new required steps when deploying or upgrading an application to v11.7.0 and up:
		 Section 1.2 was added to call out these new steps and outline what's changed for v11.7.0.
		 Added steps to install or upgrade the FOIAXpress API (required). See Section 10.10 (and subsections).
		 Added new required steps for applications using the Al Assistant feature, see Section 10.11 (and subsections) for details. These steps must be followed to use the Al Assistant in v11.7.0.
		 There is a known issue with the User Manual link in v11.7.0, and this must be manually updated after the
		installation. This process is outlined in Section 10.12
1.3	7/24/2024	Updated Section 10.10.1 (<i>API Installation Prerequisites</i>) to note that both .NET v7.0.11 and 8.0.6 are required to be installed for the API to function correctly in v11.7.X.

Version	Date	Revision Summary
1.4	8/8/2024	 Updated the following: Section 3.2.3: Revised steps to direct administrators to create an "FXRepo" directory as the parent directory for the various FOIAXpress file repositories. See steps 2 and 3. Section 8: Added a note that if the repository details are ever edited during an application update, IIS must also be restarted on the application server.

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1 FOIAXpress Deployment Manual

1.1 About This Document

This manual is intended to guide system administrators through the required steps to deploy FOIAXpress within their organization, including both new installations and upgrades.

1.2 Notes About v11.7.0

Some additional requirements were added for v11.7.0 that we wanted to call out:

- The FOIAXpress API must be installed with all applications on v11.7.0 and up. Steps to install the API can be found in Section 10.10 (and subsections).
- If you will be using the AI Assistant feature, there are some new steps you must follow when deploying or upgrading. These details are included in Section 10.11 (and subsections).
- There is a known issue with the User Manual link in v11.7.0, and this must be manually updated after the installation. This process is outlined in Section 10.12

1.3 FOIAXpress Installation Package

The FOIAXpress installation package is a zip file containing all the files needed to install FOIAXpress, Scheduler, EDR and the FOIAXpress database. Your customized installation is driven by the values set in the *Inputs.Json* file located at the root of directory where the zip file is extracted.

Contact OPEXUS support at support@opexustech.com for your installation package.

1.4 Deployment Procedure

Deploying FOIAXpress follows the procedure outlined below. Each step is covered in the subsections in this manual.

- 1. Review the Application Installation Prerequisites:
 - a. If this is an Azure installation, also review the Azure Installation Prerequisites
 - b. If this is an upgrade of an existing FOIAXpress application, review the Upgrading FOIAXpress section.
- 2. Download and verify the installation package, then extract the files.
- 3. Update the Inputs.json file with your deployment details.
- 4. Run Install.ps1

- 5. Perform post-installation procedures.
- 6. For Azure-based environments, also perform the Azure Post-Installation procedures.

1.5 Deployment Requirements

While the FOIAXpress deployment package (and this manual) are designed to be usable by anyone, we recommend that installation be completed by an experienced system administrator, as knowledge about your organization's architecture are necessary to execute this deployment. It is important to check the person doing the installation has the level of access and the accounts specified in the Inputs.json have the access level needed for upgrading or installing the application, databases and services specified.

2 Application Installation Prerequisites

The installation prerequisites are crucial as they outline the minimum system requirements and necessary preparations that need to be met before proceeding with the installation process. Ensuring that your system meets these prerequisites will ensure a smooth and successful FOIAXpress deployment. Please take the time to thoroughly review and fulfill the requirements outlined in this section before moving on to the next steps.

Notes:

- These prerequisites apply to new installations. For upgrades to existing environments, see the Upgrading FOIAXpress section.
- From version 11.4.0 onward, the application will only deploy with a valid HTTPS certificate.

2.1 Recommended System Requirements

The Recommended System Requirements provides information about the environment required for setting up the FOIAXpress (FX) application. It outlines the recommended hardware and software to install the application and its related components. The manual also mentions basic networking recommendations to enhance performance.

2.2 Deployment System Requirements

The installation package must be deployed from the application server, which must meet the requirements outlined below:

Requirement	Description
Location	Deployment scripts can be executed from Application server. The script must be executed from application server if the Application or Scheduler are installed.
User Permissions	The logged-in user should have the local administrator permissions.

Requirement	Description
Operating System Requirements	Windows 2016/2019/2022
Microsoft .NET Framework 4.8 Runtime	Microsoft .NET Framework 4.8 Runtime must be downloaded and installed. It can be downloaded and installed from the following location: <u>https://dotnet.microsoft.com/en-us/download/dotnet- framework/net48</u>
SqlPackage	The SqlPackage must be downloaded and installed. It can be downloaded and installed from the following location: <u>https://learn.microsoft.com/en-</u> <u>us/sql/tools/sqlpackage/sqlpackage-download?view=sql-</u> <u>server-ver16#windows-net-framework</u>
SqlServer	The SqlServer module must be downloaded and installed on the application server. See the <i>Install SQL Server Module</i> section for steps.
PowerShell Version	PowerShell 5.1.22621.963 must be installed for deployment using auto deployment. <u>https://www.microsoft.com/en-</u> <u>us/download/details.aspx?id=54616</u>

Requirement	Description
Microsoft Visual C++ Redistributable	The Microsoft Visual C++ Redistributable must be downloaded and installed on the application server for all new FX installs. Note: Both executables below must be downloaded and installed.
	https://aka.ms/vs/17/release/vc_redist.x64.exe https://download.microsoft.com/download/1/6/5/165255E7- 1014-4D0A-B094-B6A430A6BFFC/vcredist_x64.exe

2.3 Prerequisites Checklists

Prerequisites for the Application Server, Database, and Permissions are outlined in the following tables:

2.3.1 Application Server Checklist

Requirement	Description
Operating System	Windows 2016, 2019, or 2022 Server installed on the database, repository, and application servers.
Disk Space	20 GB
Software	Microsoft .NET Framework 4.8 or later

Requirement	Description
Server Roles	 Ensure the following roles are selected to be installed on the Application Server. These are found under the Application Development roles list, under the Server Roles configuration: Windows 2022: .Net Extensibility 4.8 ASP.NET 4.8 Windows 2019: .Net Extensibility 4.7 ASP.NET 4.7 Windows 2016:
	 Net Extensibility 4.6 ASP.NET 4.6

2.3.2 Database Checklist

Requirement	Description
Database Server Version	Microsoft SQL Server 2017, 2019, or 2022 OR
	Azure SQL Database (if using Azure deployment)
	OR Amazon RDS SQL Server (if using AWS)
Disk Space	20 GB

Requirement	Description
Database User Permissions	 To Create New Database To Upgrade an Existing Database Windows Authentication vs Mixed Mode Authentication User
Server Collation	Ensure SQL Server collation is configured for not case-sensitive.

Note: These are the minimum requirements, and the actual requirements may change depending on the factors such as data size, number of documents and users, etc.

2.3.3 FOIAXpress Database Account Requirements

There are three accounts you must setup to configure the application, database, and repository servers. The table below outlines the type of accounts, their purpose, and requirements.

Account	Purpose	Requirement
Application Setup	This user will install and configure the FOIAXpress application and its services.	This account must be setup as a Domain/Local User and a member of the Administrators on server groups. This user must also have Write permissions on the "C:/Windows:Temp/AINS" folder in order to configure the App Pool and Scheduler Service.

Account	Purpose	Requirement
FOIAXpress Database Creation	This user setups the FOIAXpress database user account and grants required permissions.	This account must be added to the following SQL Server security roles for the user that will create the database either in SQL Server (Window User) or Windows Authentication Mode (NT User): • db_creator • db_owner • securityadmin Additionally, to register the assembly in the master database, the user must have "ViewServerState" permissions on this database (accessible in SQL Server Management Studio under Databases > Properties > Permissions > View server permissions > Logins or Roles.
FOIAXpress Database User	This user performs all FOIAXpress database transactions required for the FOIAXpress application	This account must be assigned as a member of the db_owner database role for the FOIAXpress SQL Server database.

2.3.4 Account Permissions

Ensure the following accounts are granted full permissions as outlined below:

Account	Description
Application App Pool Account	This is the account used for app pool of the application in IIS.
Scheduler Service Account	This is the account used as the service account for Scheduler Windows service.

The above accounts must have full access to the file share path configured as the file repository location. The following folders will be created by the deployment tool under this file repository location (for on-prem deployments only). For AWS and Azure, the following folders should be manually created in the file repository location before running the deployment tool.

The following table summarizes the permissions required on the subfolders in the file repository location.

Location	Access Type	Comments
\AFXWDOCS	Modify, Read & Execute, List Folder Contents, Read, Write	All FOIAXpress original are stored in this location.
\AFXWCORL	Modify, Read & Execute, List Folder Contents, Read, Write	All FOIAXpress correspondence documents are stored in this location.
\AFXWDOFL	Modify, Read & Execute, List Folder Contents, Read, Write	All FOIAXpress web download documents are stored in this location.
\AFXWERR	Modify, Read & Execute, List Folder Contents, Read, Write	All FOIAXpress electronic reading room documents are stored in this location.

2.3.5 Database Readiness for Upgrades

Prior to deploying FOIAXpress 11.3.0 or above, we must first execute an analysis of the database. This analysis is intended to identify and discrepancies between the production database and the application schema.

A dacpac tool is used to identify discrepancies in the current database version against the database schema. This tool generates a report of changes that will be made by the upgrade tool to the schema. On deploying the latest version of FX (11.3.0 or higher), the database automatically updates to the latest schema, and deletes any custom updates made to the customer's schema.

It is crucial to run this report prior to an upgrade to gauge the impact of the upgrade on the customer system. The report must be analyzed by OPEXUS for any potential issues or data loss prior to taking any further steps in deploying the application.

2.4 Install SQL Server Module

Follow the steps below to install the SQL Server Module on the application server:

- 1. Navigate to the following link: <u>https://www.powershellgallery.com/packages/Sqlserver/21.1.18256</u>
- 2. Under Installation Options, select Manual Download:

✓ Installation Options



Manual Download

Manually download the .nupkg file to your system's default download location. Note that the file won't be unpacked, and won't include any dependencies. Learn More

Download the raw nupkg file

- 3. Click **Download the raw nupk file**. The SQLserver .nupkg file downloads.
- 4. Locate the downloaded "SQLserver" file, then right click it and select **Properties**.
- 5. On the General tab, select **Unblock**, then click **Apply**.
- 6. Next, edit the "SQLserver" file extension from .nupkg to .zip.
- 7. Extract the .zip package in the downloaded location. After the folder is extracted, remove "sqlserver." from the folder name:



- 8. Navigate to C:\ProgramFiles\WindowsPowerShell\Modules and create a folder called **SqlServer**.
- 9. Copy the renamed .zip folder from the downloaded location to the *SqlServer* folder created in the previous step (*C*:*ProgramFiles**WindowsPowerShell**Modules**SqlServer*)

2.5 Install Full Text Search on SQL Server

Note: The steps below are for SQL Server 2019. SQL Server 2016 and 2020 may require a different series of steps.

- 1. Copy the SQL Server setup files on the server where you want to install it or add it to existing installation. Right click the **SQL Server setup** file and select **Run as Administrator...**
- 2. The installation center screen appears where you'll install the full text search feature. Click **Installation** on the left side of the screen.
- 3. Select the New SQL Server stand-alone installation or add features to an existing installation option.
- 4. The SQL Server Setup screen appears. Click the **Next** button to continue.
- 5. Setup files will be installed as part of the prerequisites. Once this is complete, the **Next** button will be enabled. Click **Next** to continue.
- 6. The *Install Rules* screen appears, which checks install rules. If no rules are failed, click the Next button to continue.

Note: If any rule returns a *Warning*, you can continue. You will not be able to continue if any failures are encountered.

- 7. The next screen will allow you to choose an existing instance to enable Full Text Search. Click the **Add features to an existing instance of SQL Server** radio button then click **Next** to continue.
- 8. The Feature Selection screen appears. Click the checkbox beside the Full-Text and Semantic Extractions for Search option, then click **Next**.
- 9. At the Server Configuration screen, click Next.
- 10. The Ready to Install screen appears. When you're ready to proceed, click Install.
- 11. The *Installation Progress* screen appears where you can track the installation using the progress bar. Wait until it is completed.
- 12. Once Full Text Search is installed successfully, the *Complete* screen appears. You can click on the link for the log file for this installation if you want to see more details.



13. Click the **Close** button to close the window. Full Text Search is now installed for your SQL Server instance, and you can create Full Text Catalogs and Indexes based on your requirements

2.6 HTTP Redirection and Activation

2.6.1 Install HTTP Redirection Feature

Prior to installing the application, you must install and configure the HTTP Redirection feature on the IIS web server. This serves to navigate between FOIAXpress controls (Scan, Correspondence, Document Management, etc.).

Notes:

- Make sure to perform this installation on the application server.
- You must install the Windows 2016, 2019, or 2022 on the application server for this feature to function properly.
- URL to download hotfix: <u>http://support.microsoft.com/kb/980368</u>
- 1. Click Start > All Programs > Administrative Tools > Server Manager. The Server Manager application launches.
- 2. Click Roles.
- 3. Click IIS. The Servers screen appears.
- 4. Select **Add Roles and Features** from the *Tasks* drop-down list. The *Add Roles and Features* wizard appears.
- 5. Click Server Roles. The Add Role Services window opens displaying a list of services.
- 6. Click the **Web Server (IIS)** checkbox.

Add Roles and Features Wizard
Add features that are required for Web Server (IIS)? The following tools are required to manage this feature, but do not have to be installed on the same server.
 Web Server (IIS) Management Tools [Tools] IIS Management Console
Include management tools (if applicable) Add Features Cancel

- 7. Click Add Features.
- 8. Click Next. The Features list appears.
- 9. Click Next. The Destination Server detail page appears.
- 10. Click Next.
- 11. Click the Web Server checkbox.
- 12. Click the Common HTTP Features checkbox.
- 13. Click the HTTP Redirection checkbox under the Common HTTP Features node.

B	Add Roles and Features Wizard	_ D X
Before You Begin Installation Type Server Selection Server Roles Features Web Server Role (IIS) Role Services Confirmation Results		DESTINATION SERVER TW-Sandbox.ains-inc.com Description HTTP Redirection provides support to redirect user requests to a specific destination. Use HTTP redirection whenever you want customers who might use one URL to actually end up at another URL. This is helpful in many situations, from simply renaming your Web site, to overcoming a domain name that is difficult to spell, or forcing clients to use a secure channel.
	Costonic togging Costo	t > Install Cancel

14. Click **Next**. The *Confirm Installation Selections* window opens displaying the feature to be installed.

B	Add Roles and Features Wizard	_ D X
Confirm installati	on coloctions	DESTINATION SERVER Sandbox.ains-inc.com
Before You Begin	To install the following roles, role services, or features on selected server, click Install	
Installation Type	Restart the destination server automatically if required	
Server Selection Server Roles Features	Optional features (such as administration tools) might be displayed on this page bec been selected automatically. If you do not want to install these optional features, clic their check boxes.	
Web Server Role (IIS)	Web Server (IIS)	^
Role Services	Web Server Common HTTP Features	
Confirmation	Static Content	=
Results	Default Document Directory Browsing HTTP Errors HTTP Redirection Security Request Filtering	
	Export configuration settings Specify an alternate source path < Previous	Cancel

15. Click **Install**. The *Installation Progress* window appears depicting the progress of the installation on the web server. This may take a few minutes.

à	Add Roles and Features Wizard	x
Installation progr	ESS DESTINATION S TW-Sandbox.ains-in	
Before You Begin	View installation progress	
Installation Type	Feature installation	
Server Selection		
Server Roles	Installation started on TW-Sandbox.ains-inc.com	
Features	Web Server (IIS)	^
Web Server Role (IIS)	Web Server	
Role Services	Common HTTP Features	
Confirmation	Static Content Default Document	=
Results	Directory Browsing	
	HTTP Errors	
	HTTP Redirection	
	Security	
	Request Filtering Health and Diagnostics	~
	You can close this wizard without interrupting running tasks. View task progress or open t page again by clicking Notifications in the command bar, and then Task Details.	this
	Export configuration settings	
	< Previous Next > Close Car	ncel

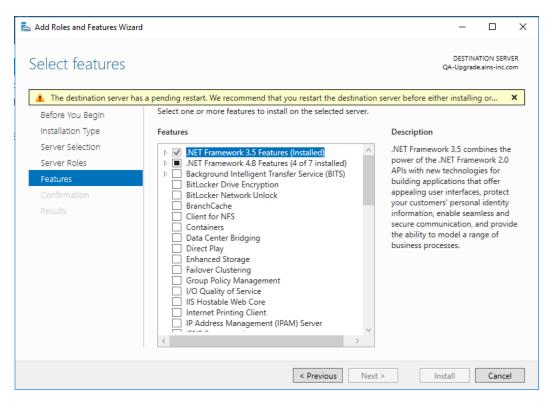
16. Once the installation is completed, the *Installation Results* window appears confirming the feature(s) that was installed on the web server. Click **Close** to exit the application.

B	Add Roles and Features Wizard	D X
Installation progr	ess destination TW-sandbox.ains-	
Before You Begin	View installation progress	
Installation Type	1 Feature installation	
Server Selection	Installation succeeded on TW-Sandboxains-inc.com.	
Server Roles		
Features Web Server Role (IIS)	Web Server (IIS) Web Server	^
Role Services	Common HTTP Features	
Confirmation	Static Content Default Document	=
Results	Directory Browsing	
	HTTP Errors	
	HTTP Redirection	
	Security Request Filtering	
	Health and Diagnostics	~
	You can close this wizard without interrupting running tasks. View task progress or open page again by clicking Notifications in the command bar, and then Task Details.	this
	Export configuration settings	
	< Previous Next > Close Ca	ancel

2.6.2 Install HTTP Activation Feature

Prior to installing the application, you must install and configure the HTTP Activation feature on the IIS web server. This is a required element for Microsoft .NET Framework 4.8.

- 1. Click **Start > All Programs > Administrative Tools > Server Manager**. The *Server Manager* application launches.
- 2. Right-click Features.
- 3. Click Roles.
- 4. Click IIS. The Servers screen appears.
- 5. Select Add Roles and Features from the *Tasks* drop-down list. The *Add Roles and Features* wizard appears.
- 6. Click Features. The Add Features window opens displaying a list of features.
- 7. Click .NET Framework 4.8 Features.
- 8. Click WCF Services.



9. Click the HTTP Activation checkbox. The Add Features Wizard window appears.

📥 Add Roles and Features Wiza	d 🗶
Add features that are required for HTTP A You cannot install HTTP Activation unless the follow or features are also installed.	
 Web Server (IIS) Web Server Application Development ASP.NET 4.5 ISAPI Extensions ISAPI Filters .NET Extensibility 4.5 	
 Include management tools (if applicable) Add Feature 	Cancel

- 10. Click Add Features. The Add Features Wizard window closes. The Select Features window appears.
- 11. Click Next. The Confirm Installation Selections window appears.

Confirm installa	ition selections	DESTINATION SERVER TW-Sandbox.ains-inc.com
Before You Begin Installation Type Server Selection Server Roles Peatures Confirmation	To install the following roles, role services, or features (Restart the destination server automatically if requ Optional features (such as administration tools) might been selected automatically. If you do not want to inst their check boxes. MET Framework 4.8 Features WCF Services HTTP Activation Web Server (IIS) Web Server Application Development ASP.NET 4.5 ISAPI Extensions ISAPI Filters .NET Extensiolity 4.5 Export configuration settings Specify an alternate source path	ired be displayed on this page because they have

12. Verify the components for installation are correct and click **Install**. The *Installation Progress* window appears.

ба 1	Add Roles and Features Wizard	X
Installation pro	gress	DESTINATION SERVER TWI-Sandboxains-inc.com
Felore You Begin Installation Type Server Roles Features Confirmation Results	View installation progress Feature installation Initialiation started on TW-Sandbox.ains-inc.com NET Framework 4.8 Features WCF Services HTTP Activation Web Server Application Development ASPNET 4.5 ISAPI Extensions ISAPI Filters	
	.NET Extensibility 4.5 The page again by clicking Notifications in the command bar, and Export configuration settings	

13. Once the installation is completed, the *Installation Results* window appears confirming the feature(s) that was installed on the web server. Click **Close**.

Application Installation Prerequisites

Add Roles and Features Wizard	_ 🗆 X
Installation prograss	INATION SERVER Ibox.ains-inc.com
Results View installation progress	
Feature installation	
Installation succeeded on TW-Sandbox.ains-inc.com.	
Web Server (IIS) Web Server Common HTTP Features Static Content Default Document Directory Browsing HTTP Errors HTTP Redirection Security Request Filtering	=
Health and Diagnostics	~
You can close this wizard without interrupting running tasks. View task progress of page again by clicking Notifications in the command bar, and then Task Details. Export configuration settings	or open tnis
< Previous Next > Close	Cancel

3 Azure Installation Prerequisites

3.1 Configure Azure SQL Database

Please refer to the following link for detail on using Azure SQL database.

https://azure.microsoft.com/en-us/products/azure-sql/database

Use these RDS SQL server database details for your FOIAXpress application deployment if using AWS.

3.2 File Repository Setup

The first prerequisite for Azure installation is to create the required file repository. This is created through the Azure portal as a directory in an Azure File Share. To ensure full functionality, it is recommended that users access the Azure Portal site using Google Chrome or Microsoft Edge.

3.2.1 Create Storage Account

Complete the steps below to create a storage account:

- 1. Navigate to the Azure portal and select **Storage Accounts** from the sidebar.
- 2. Add a new storage account to your resource group titled "FXfilestorage".
- 3. Click **Review + create**.

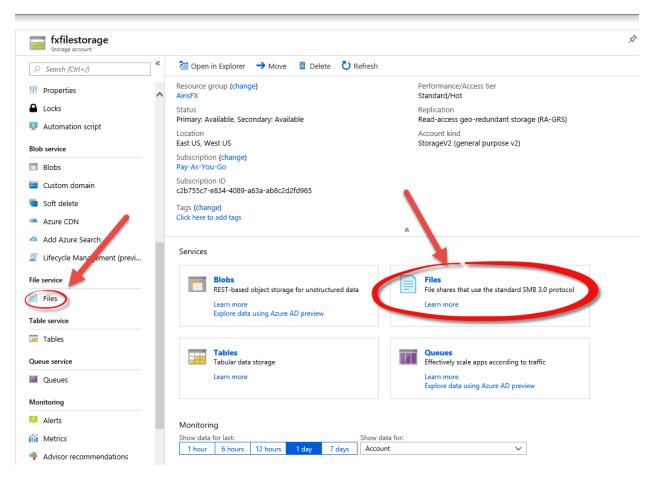
Azure Installation Prerequisites

Create storage account			
Basics Advanced Tags Review	r + create		
Azure Storage includes Azure Blobs (objects),	e providing cloud storage that is highly available, secure, durable, scalable, and redunda Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost o and the options you choose below. Learn more		
PROJECT DETAILS			
Select the subscription to manage deployed r resources.	esources and costs. Use resource groups like folders to organize and manage all your		
* Subscription	Pay-As-You-Go	\sim	
* Resource group	AinsFX	~	
	Create new		
INSTANCE DETAILS			
The default deployment model is Resource M classic deployment model instead. Choose cl	anager, which supports the latest Azure features. You may choose to deploy using the assic deployment model		
* Storage account name 🚯	fxfilestorage	~	
* Location	East US	\checkmark	
Performance 🕦	• Standard O Premium		
Account kind 📵	StorageV2 (general purpose v2)	\sim	
Replication 🚯	Read-access geo-redundant storage (RA-GRS)	\sim	
Access tier (default) 🚯	🔿 Cool 💿 Hot		
Review + create Previ	ious Next : Advanced >		

3.2.2 Create FOIAXpress File Repository as a File Share

Complete the steps below to create the FOIAXpress File Repository/File Share:

4. Select the newly created storage account and click **Files** (or select **Files** under *File Service* from the inner sidebar).



5. Add a new File Shares to the storage account ("FXrepo") and specify a disk size quota (>50GB is recommended).

Note: The File Share is used to contain all documents uploaded into and generated by the FX application and should be sized accordingly.

Home > Storage accounts > fxfilestorage - Files			File share
Storage accounts « ☆ ×	fxfilestorage - Files		* Name
🕂 Add 📑 Edit columns 🛛 ···· More		+ File share 💍 Refresh	
Filter by name	III Properties	Storage account fxfilestorage	Quota 🗿
NAME To	Locks	ρ.	GiB
ainsfxdevstorage	Automation script	NAME MODIFIED	Create Discard
ainsfxqastorage	Blob service	No file shares found.	
ainsfxstorage	Blobs		
cs2c2b755c7e834x4089xa63	Custom domain		
docusignainslistener	Soft delete		
📕 fxfilestorage	Azure CDN		
hqqafilestorage	🐴 Add Azure Search		
insdiag441	Lifecycle Management (previ		
usaidstorageaccount	File service		
	Files		
	Table service		
	Tables		
	Queue service		
	ueues Queues		
	Monitoring		
	👎 Alerts		
	iii Metrics		
	Advisor recommendations		
	Monitoring (classic)		
	•••••••••		

Note: After creation, the File Share is not immediately accessible, but it will appear after a short time (<5 minutes).

3.2.3 Create FOIAXpress File Repository subfolders in the File Share

To create the necessary FOIAXpress File Repository subfolders within the File Share:

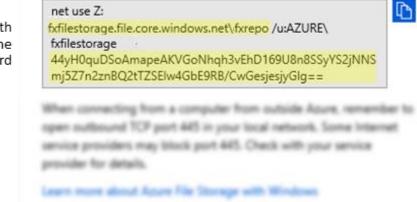
- 1. Open the newly created file repository once available in the list of File Shares.
- 2. Click Add Directory and add a new directory called *FXRepo*.
- 3. Within the FXRepo directory, add a new directory for each of the following folder names:
 - a. aFXwcorl
 - b. aFXwdocs
 - c. aFXwdofl
 - d. aFXwerr
 - e. aFXwpng.

Azure Installation Prerequisites

, Search (Ctrl+/)	Connect Upload + Add directory C Refresh	Ī	
Overview	Backup (Preview) is not enabled for this file share. Click here to	eni	
Access Control (IAM)	Location: dosfxrepo	Location: dosfxrepo	
Settings		_	
Access policy	NAME		
Properties	in afxwcorl		
	afxwdocs		
	in afxwdofi		
	afxwerr		
	afxwpng		

- 4. After the required folders are created, click **Connect** from the *Folder* screen to view connection details.
- 5. Save the text content from the second PowerShell command this contains the UNC path, and the Username and Password information that will be required in later configuration steps. The Username should be the name of the Storage Account that was created in the first step.

Alternatively, run this command if the key doesn't begin with a forward slash:



path username password

4 AWS Prerequisites

4.1 Configure Amazon Web Services RDS for SQL Server

Please refer to the following link for detail on using RDS for SQL server. Please use the RDS SQL server database details for your FOIAXpress application deployment if using AWS.

https://aws.amazon.com/rds/sqlserver/

4.2 File Repository Setup Using Amazon FSx

The link below provides details to configure an Amazon FSx shared storage for use with your FOIAXpress application.

https://aws.amazon.com/fsx/windows/

When complete, this will enable a UNC path for a Windows file share for use in FOIAXpress to store FX documents and files. Please refer to the Application Installation Prerequisites for details on the permissions required for these file shares.

5 Upgrading FOIAXpress

This section provides steps and details for users upgrading an existing FOIAXpress environment to the latest version. After reviewing the following subsections, you'll complete the steps outlined in the following sections of this document.

Note: After downloading the installation package, if you are upgrading FX, you can skip directly to the *Inputs.json Settings for Upgrade* section of this document.

5.1 Upgrade Assumptions

Information presented in this section assumes that the applications listed below are installed on the server:

- Windows 2016/2019/2022 Server
- Microsoft .NET Framework 4.8
- Microsoft .NET Framework 4.8 is required to use the Permissions Migration tool.
- Previous version of FOIAXpress installed and configured.

5.2 Upgrade Prerequisites

Note: Important upgrade prerequisites were added for v11.3.0. Review the following section in full before proceeding.

Prior to deploying FOIAXpress 11.3.0 or above, we must first execute an analysis of the database. This analysis is intended to identify and discrepancies between the production database and the application schema.

A dacpac tool is used to identify discrepancies in the current database version against the database schema. Please contact OPEXUS support to have this tool run on your application.

This tool generates a report of changes that will be made by the upgrade tool to the schema. On deploying the latest version of FX (11.3.0 or higher), the database automatically updates to the latest schema, and deletes any custom updates made to the customer's schema.

It is crucial to run this report prior to an upgrade to gauge the impact of the upgrade on the customer system. The report must be analyzed by OPEXUS for any potential issues or data loss prior to taking any further steps in deploying the application.

In addition, ensure you have fulfilled the prerequisites below:

- Backup the database(s) before upgrading.
- The upgrade installation must be performed on the database, application, and services servers.
- A new license key is required. It is included in the Setup file, or was sent to you in a separate email. If you cannot find your key, please email <u>support@opexustech.com</u>.
- Speak with your FOIAXpress administrator before upgrading your application to determine how you want to convert your existing System, Request, and File Cabinet privileges to FOIAXpress's new role-based permission structure. This can be done manually, or automatically during the upgrade. You must determine your approach before proceeding with the upgrade.
- If your agency has purchased the EDR module, please make a note of the EDR database name(s) before starting the upgrade process.
- You must have full control permissions to all FOIAXpress folders, databases, and backup folders.
- The application upgrade can be run from the specific drive where your database and application servers have access. However, this guide is written assuming you have copied the application to the C: drives on the respective servers.

6 Download the Installation Package

The FOIAXpress installation package contains the files needed to install FOIAXpress and its associated components. Contact OPEXUS support at support@opexustech.com for your installation package.

After downloading the package, follow the steps below to unzip the file:

- 1. Locate the downloaded .zip file, then right click it and select **Properties**.
- 2. On the *General* tab, select **Unblock**, then click **Apply**.
- 3. Next, unzip the contents of the folder. The contents of the package appear as shown in the following example:

Name	Туре	Date modified
dbscripts	File folder	2/24/2023 8:26 PM
FOIAXpress	File folder	2/24/2023 8:27 PM
installscripts	File folder	2/24/2023 8:20 PM
inputs.json	JSON File	2/24/2023 8:20 PM
🔊 install	Windows PowerShell Script	2/24/2023 8:20 PM
🔊 uninstall	Windows PowerShell Script	2/24/2023 8:20 PM

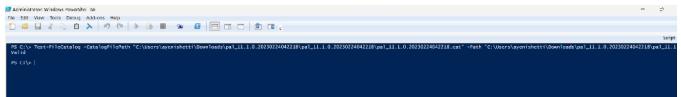
6.1 Verify the Integrity of the Installation Package

Steps to verify the integrity of the installation package.

- 1. Open Windows Powershell ISE.
- 2. Use the command below to verify the integrity of installation package:

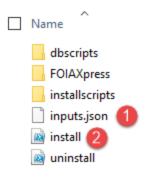
Test-FileCatalog -CatalogFilePath "<<catalog file path(with extension of .cat) from downloaded artifact>>" -Path "<< folder that should be validated against the catalog file >>"

3. It will show as valid, as shown in the following example:



6.2 About the Installation Package

There are two primary files you'll interact with during installation:



- 1. *Inputs.json*: Drives the installation of the FOIAXpress system components. The file is in a standard json format and needs to remain a valid json file for successful installation.
- 2. *Install.ps1*: The executable file you will run to deploy the installation package with the parameters configured in the Inputs.json file.

7 Inputs.json Settings for New Installations

7.1 About the Inputs.json File

The Inputs.json file located in the root directory of the extracted deployment package zip file drives the installation of the different components of the FOIAXpress system. The file is in a standard json format and needs to remain a valid json file post updates prior to the installation.

The settings are grouped into sections, each addressing settings which may or may not require configuration, depending on your specific installation. The following subsections in this chapter describe each section of the Inputs. Json file.

The parent node is the 'inputs' section. This section appears as follows:

```
{
    "inputs": {
        "InstallType": {
            "New": "N",
            "Upgrade": "Y"
        },
        "Components": {
            "APP": "Y",
            "DB": "N"
        },
    }
```

Each section has parameters you can adjust to configure your installation. An example section is shown below, with an explanation for how it works:

Each (1) *Section* ("InstallType" in this example) includes various (2) *Settings* ("New" in this example) to configure.



For each (**A**) Setting ("Upgrade" here), you can edit the (**B**) text in quotations ("N" here to indicate "No") to configure the settings for your installation. This might include adding a file path, user name, password, or simply a "Y" or "N" depending on the field you are configuring.

The first section under the parent node is the Install Type. See the following section for details on configuring your install type, with the remaining sections following in the order they appear in the Inputs file.

7.2 Install Type

Use the "InstallType" section to determine if this is a new installation, or an upgrade for an existing system:

```
"inputs": {
"InstallType": {
"New": "Y",
"Upgrade": "N"
```

Setting	Description
New	Determine whether this is a new installation. For new installations this should be a "Y" value.
Upgrade	Determine whether this is an upgrade for an existing application. For new installations this should be a "N" value.

7.3 Install Components

The "Components" section allows you to determine which components to include with this installation. To include a component with your installation, be sure to assign the component a "Y" value on the corresponding line:

```
"Components": {
    "APP": "Y",
    "SCHEDULER": "Y",
    "DB": "Y",
    "EDRDB": "N"
```

Setting	Description
APP	Include the FOIAXpress Application in this installation procedure. This should be a "Y" value for new installations and upgrades if the applications needs to be installed or upgraded respectively.
SCHEDULER	Include the FOIAXpress Scheduler in this installation procedure. This should be a "Y" value for new installations and upgrades if the scheduler needs to be newly installed or upgraded respectively.
DB	Include the FOIAXpress Database in this installation procedure. This should be a "Y" value for new installations and upgrades if the database needs to be newly installed or upgraded respectively
EDRDB	Include the Electronic Document Review (EDR) Database in this installation procedure. This should be a "Y" value if you want to include EDR in either a new installation or an upgrade.

7.4 Application and Scheduler

The "APPANDSCHEDULER" section has settings related to the FOIAXpress application and scheduler installations. A value must be set for all values in this section to successfully install the application:

Note: any files paths specified must have two backslashes where a path in windows explorer requires a single backslash.

```
"APPANDSCHEDULER": {
    "InstallLocation": "C:\\Program Files",
    "BackupLocation": "C:\\backup",
    "SSLCert": {
        "SSLPort": "443",
        "CertPath": "<<CERTIFICATE PATH>>",
        "CertPassword": "<<CERTIFICATE PASSWORD>>",
        "DNSName": "FOIAXpress"
    },
    "AppPool": "FXAppPool"
```

Setting	Description
InstallLocation	Specify a path for the application installation.Note this must be a file path for the .json file the execute.
BackupLocation	Specify a path for the application backup location.Note this must be a file path for the .json file the execute
SSLCert	The following lines contain the SSL Certificate information. No data is required on this line. This is the grouping for SSL Certification settings to be used for the installation.
SSLPort	The network port designated for your application's secure communications using SSL.
CertPath	Specify a path where the .pFX certificate file is located.Note this must a file path for the .json file to execute
CertPassword	Enter the password associated with the certificate linked in the "CertPath" field
DNSName	Enter the Domain Name System (DNS) name for the domain associated with the application.
AppPool	Enter the name of the application pool associated with your FOIAXpress application,

7.5 Database Settings

The "DB" section contains the settings for installing or upgrading your FOIAXpress database. In case of a new installation, an agent account will be created.

```
"DB": {
    "DBServer": "<<DATABASE SERVER NAME>>",
    "DBName": "<<DATABASE NAME>>",
    "CreaterDBUserId": "<<DB CREATER USER ID>>",
    "CreaterDBUserPassword": "<<DB CREATER USER ID PASSWORD>>",
    "IntegratedSecurity": "N",
    "AgentAccount": "<<AGENT NAME TO CONNECT FOIAXpress DB>>",
    "AgentAccountIntegratedSecurity": "N"
```

Setting	Description
DBServer	Name assigned to the server responsible for storing, retrieving, and managing FOIAXpress data
DBName	Name given to the specific database used for FOIAXpress
CreaterDBUserID	Database User ID to be used for this installation. The CreaterDBUserId should have admin rights with the ability to create a new database or database object on the specified Database server
CreaterDBUserPassword	 Password associated with the account used in the "CreaterDBUserID" field. Notes: If you do not wish to enter this password in the .json file, you will have the option to manually enter the password while running the deployment. If utilizing integrated security (see the following option), you are not required to provide a password as the user is authenticated using Windows authentication.

Setting	Description
IntegratedSecurity	The Integrated Security property instructs the SQL Client to connect to SQL Server using Windows Authentication through the Security Support Provider Interface (SSPI). Use "Y" or "N" to determine if you are using Integrated Security in this installation.
AgentAccount	The SQL server login account to be created in case of a new database install or the login already setup for the database being upgraded
AgentAccountPassword	The SQL server Agent Account password specified in the AgentAcount setting Note: If you do not wish to enter this password in the .json file, you will have the option to manually enter the password while running the deployment.
AgentAccountIntegratedSecurity	Whether integrated security should be used when connecting to the database, default is "N"

7.6 File Repository Settings

The "FileRepository" section contains the setting for different file paths used by the FOIAXpress application to store files.

Note: The "DocumentsComments" lines in this section are included to provide additional information and do not need to be edited or configured as part of the installation. Each comment line indicates the folder name you must use for the corresponding repository. File paths are required to have two backslashes for the regular one backslash used in specifying windows paths.

"FileRepository": { "Documents": "C:\\AFXWDOCS", "DocumentsComments": "Documents path should end with AFXWDOCS directory", "Correspondence": "C:\\AFXWCORL", "CorrespondenceComments": "Correspondence path should end with AFXWCORL directory", "DownloadLocation": "C:\\AFXWDOFL", "DownloadLocationComments": "DownloadLocation path should end with AFXWDOFL directory", "PALReadingRoom": "C:\\AFXWERR",

"PALReadingRoomComments": "PALReadingRoom path should end with AFXWERR directory", "PNGCacheLocation": "C:\\AFXWPNG",

"PNGCacheLocationComments": "PNGCacheLocation path should end with AFXWPNG directory"

Setting	Description
Documents	Enter the file path location for the Documents repository.
DocumentsComments	Indicates that the "Documents" repository must end with a folder named "AFXWDOCS"
Correspondence	Enter the file path location for the Correspondence repository
CorrespondenceComments	Indicates that the "Correspondence" repository must end with a folder named "AFXWCORL"
DownloadLocation	Enter the file path location for downloads from the application.
DownloadLocationComments	Indicates that the "DownloadLocation" repository must end with a folder named "AFXWDOFL"
PALReadingRoom	Enter the file path location for the PAL Reading Room repository.
PALReadingRoomComments	Indicates that the "PALReadingRoom" repository must end with a folder named "AFXWERR"

Setting	Description
PNGCacheLocation	Enter the file path location for the PNG cache repository.
PNGCacheLocationComments	Indicates that the "PNGCacheLocation" repository must end with a folder named "AFXWPNG"

7.7 Authentication Settings

The "Authentication" section contains settings needed for FOIAXpress to authenticate using FORMS authentication after the application is installed:

Setting	Description
Туре	Enter the type of authentication used. Options include FORMS, SSO, and EAUTHENTICATION.
Type Comment	Lists the authentication Types that can be entered in the field above (FORMS, SSO, and EAUTHENTICATION).

Setting	Description
Forms	The Forms authentication fields are listed in this subsection. These only need to be filled in if using FORMS authentication.
MembershipProvider	Enter the membership provider type. Options include DATABASE or LDAP.
MembershipProvider Comments	Lists the membership provider types that can be entered in the field above (DATABASE or LDAP).
LdapAccountUsername	Username associated with the LDAP account used for authentication.
LdapAccountPassword	Password associated with the LDAP account username used in the field above.
LdapUrl	URL associated with the LDAP server
LdapSynchronizeAdUsersUserName	LDAP User Name
LdapSynchronizeAdUsersPassword	LDAP Password
LdapSynchronizeAdUsersUrl	LDAP URL
eAuthentication	eAuthentication details are included in this subsection (if eAuthentication is the selected authentication type).
eAuthenticationLogoutUrl	Redirect URL for users when logged out using eAuthentication.

7.8 SMTP Server Settings

The "SMTPServer" section contains setting for the application's mail server:

```
"SMTPServer": {
    "Address": "0.0.0.0",
    "PortNo": "25"
```

Setting	Description
Address	Address of the server responsible for sending email messages from the FOIAXpress application.
PortNo	Port number associated with the SMTP server entered in the "Address" setting

7.9 EDR Settings

7.9.1 EDR Inputs

The "EDRDBS" section is used to store database settings for one or more EDR databases. The settings should specify the database server where the named database(s) should be installed using the CreaterDBUserId and password. If the AgentAccount is not present, the given AgentAccount must be created.

```
"EDRDBS": [
    {
        "DBServer": "<<EDR DATABASE SERVER NAME>>",
        "DBName": "<<EDR DATABASE NAME>>",
        "CreaterDBUserId": "<<EDR DB USER CREATER ID>>",
        "CreaterDBUserPassword": "<<EDR DB USER CREATER PWD>>",
        "IntegratedSecurity": "N",
        "AgentAccount": "<<AGENT NAME TO CONNECT EDR DB>>",
        "AgentAccountIntegratedSecurity": "N",
        "AgentAccountIntegratedSecurity": "N",
        "AgentAccountIntegratedSecurity": "N",
        "AgentAccountIntegratedSecurity": "N",
        "ConnectionName": "<<CONNECTOR NAME>>"
```

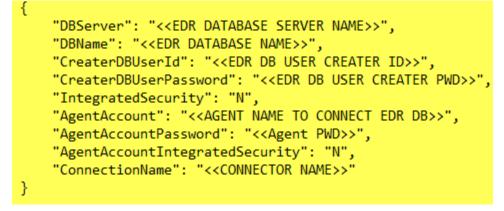
Setting	Description
DBServer	Name assigned to the server responsible for storing, retrieving, and managing EDR data
DBName	Name given to the specific database used for FOIAXpress EDR.
CreaterDBUserId	Database User ID to be used for this installation. The CreaterDBUserId should have admin rights with the ability to create a new database or database object on the specified Database server
CreaterDBUserPassword	Password associated with the account used in the "CreaterDBUserID" field
IntegratedSecurity	The Integrated Security property instructs the SQL Client to connect to SQL Server using Windows Authentication through the Security Support Provider Interface (SSPI). IntegratedSecurity in this section relates to the EDR database. Use "Y" or "N" to determine if you are using integrated security in this installation
AgentAccount	Login account to be created in SQL Server on a new installation and an existing Login account previously created in the SQL Server previously used for the database being upgraded
AgentAccountPassword	The password for the login specified in the AgentAccount setting

Setting	Description
AgentAccountIntegratedSecurity	The Integrated Security property instructs the SQL Client to connect to SQL Server using Windows Authentication through the Security Support Provider Interface (SSPI). Here IntegratedSecurity in this section related to EDR database.
ConnectionName	To register EDR database with this name in the respective FX/FX database mentioned in the DB section.

7.9.2 Multiple EDR Servers

You can configure multiple EDR Servers within the inputs.json file. Follow the steps below to configure multiple EDR Servers:

- 1. Configure the settings for the first EDR server using the existing fields.
- 2. Select and copy the fields under the EDRDBS section. Be sure to only copy the lines highlighted below:



3. Next place your cursor here, after the closing bracket that follows the last input field, and add a comma (","):

```
"EDRDBS": [
{
    "DBServer": "<<EDR DATABASE SERVER NAME>>",
    "DBName": "<<EDR DATABASE NAME>>",
    "CreaterDBUserId": "<<EDR DB USER CREATER ID>>",
    "CreaterDBUserPassword": "<<EDR DB USER CREATER PWD>>",
    "IntegratedSecurity": "N",
    "AgentAccount": "<<AGENT NAME TO CONNECT EDR DB>>",
    "AgentAccountIntegratedSecurity": "N",
    "AgentAccountIntegratedSecurity": "N",
    "ConnectionName": "<<CONNECTOR NAME>>"
},
```

4. Next, paste the content you copied in step 2 after the comma you added in the previous step:

```
"EDRDBS": [
   {
        "DBServer": "<<EDR DATABASE SERVER NAME>>",
        "DBName": "<<EDR DATABASE NAME>>",
        "CreaterDBUserId": "<<EDR DB USER CREATER ID>>",
        "CreaterDBUserPassword": "<<EDR DB USER CREATER PWD>>",
        "IntegratedSecurity": "N",
        "AgentAccount": "<<AGENT NAME TO CONNECT EDR DB>>",
        "AgentAccountPassword": "<<Agent PWD>>",
        "AgentAccountIntegratedSecurity": "N",
        "ConnectionName": "<<CONNECTOR NAME>>"
   },{
        "DBServer": "<<EDR DATABASE SERVER NAME>>",
        "DBName": "<<EDR DATABASE NAME>>",
        "CreaterDBUserId": "<<EDR DB USER CREATER ID>>",
        "CreaterDBUserPassword": "<<EDR DB USER CREATER PWD>>",
        "IntegratedSecurity": "N",
        "AgentAccount": "<<AGENT NAME TO CONNECT EDR DB>>",
        "AgentAccountPassword": "<<Agent PWD>>",
        "AgentAccountIntegratedSecurity": "N",
        "ConnectionName": "<<CONNECTOR NAME>>"
   }
```

- 5. Configure the second set of EDRDBS fields with the details of the second EDR Server:
- 6. Repeat steps 2 through 6 to add more EDR servers as needed.

7.10 General Application Configuration

The "Configuration" section contains settings for initial install application configuration, setting up the basic details required to log in and get started in the application. This account is the primary administrator account for the application.

```
"Configuration": {
    "AdminUser": {
        "Login": "Admin",
        "Password": "<<PASSWORD>>",
        "FirstName": "Admin",
        "LastName": "Admin",
        "Email": "<<EMAIL ID>>"
   },
    "Organization": {
        "Name": "<<ORGANIZATION NAME>>",
        "OfficeName": "<<OFFICE NAME>>",
        "OfficeCode": "<<OFFICE CODE>>"
   },
    "FiscalYear": {
        "CurrentFY": "2023",
        "Starts": "10/01/2022",
        "Ends": "09/30/2023"
    },
   "ActType": {
        "ATIAPA": "N",
        "FOIP": "N",
        "FIPPA": "N"
```

Setting	Description
AdminUser	This subsection allows you to configure the basic details and sign in information for the initial Admin user account you'd like to create in the system.
Login	Enter the username you'd like to assign for the first Admin application user.
Password	Enter a password for the Admin account associated with the username you entered above.
FirstName	Enter the first name you'd like to associate with this Admin account
LastName	Enter the last name you'd like to associate with this Admin account

Setting	Description
Email	Enter an email address for this Admin account.
Organization	Use this subsection to provide your basic organization details.
Name	Enter a name for your organization, as it should appear in the system.
OfficeName	Provide an initial office name for an organization office. You'll be able to add more offices in the application configuration.
OfficeCode	Enter a system code assigned to this office, to assist with request identification and assignment.
FiscalYear	Use this subsection to configure the fiscal year details for your application
CurrentFY	Enter the current fiscal year used in your application in "YYYY" format (e.g., "2023")
Starts	Provide a start date for your fiscal year in MM/DD/YYYY format (e.g., "01/01/2023")
Ends	Provide an end date for your fiscal year in MM/DD/YYYY format (e.g., "12/31/2023")
ActType	This field is not applicable for FOIAXpress. Do not edit or remove this field.
ΑΤΙΑΡΑ	This field is not applicable for FOIAXpress. Do not edit or remove this field.

Setting	Description
FOIP	This field is not applicable for FOIAXpress. Do not edit or remove this field.
FIPPA	This field is not applicable for FOIAXpress. Do not edit or remove this field.

8 Inputs.json Settings for Upgrade

This section discusses the inputs.json settings used when upgrading an existing FX environment. For information on using the inputs.json file, see the *About the Inputs.json File* section of this manual.

Note: Some fields that would be required for a new installation should be left as-is for an upgrade. It is important to not edit or remove these fields as this could compromise the integrity of the inputs.json file. These are described where appropriate in the following sections.

8.1 Install Type

Use the "InstallType" section to determine if this is a new installation, or an upgrade for an existing system:

```
"InstallType": {
    "New": "N",
    "Upgrade": "Y"
```

Setting	Description
New	Determine whether this is a new installation. For upgrades this should be a "N" value
Upgrade	Determine whether this is an upgrade for an existing application. For upgrades this should be a "Y" value

8.2 Install Components

The "Components" section allows you to determine which components to include with this upgrade. If you included a component in your previous installation, be sure to assign the component a "Y" value on the corresponding line:

```
"Components": {
    "APP": "Y",
    "SCHEDULER": "Y",
    "DB": "Y",
    "EDRDB": "N"
```

Setting	Description
ΑΡΡ	Include the FOIAXpress Application in this upgrade procedure. This should be a "Y" value for upgrades.
SCHEDULER	Include the FOIAXpress Scheduler in this upgrade procedure. This should be a "Y" value for upgrades if the scheduler needs to be upgraded.
DB	Include the FOIAXpress Database in this upgrade procedure. This should be a "Y" value for upgrades.
EDRDB	Include the Electronic Document Review (EDR) Database in this installation procedure. This should be a "Y" value if your application includes EDR.

8.3 Application and Scheduler

The "APPANDSCHEDULER" section only requires input in the InstallLocation and BackupLocation fields.

Note: All fields not listed above can remain as-is during an upgrade.

```
"APPANDSCHEDULER": {
    "InstallLocation": "C:\\Program Files",
    "BackupLocation": "C:\\backup",
    "SSLCert": {
        "SSLPort": "443",
        "CertPath": "<<CERTIFICATE PATH>>",
        "CertPassword": "<<CERTIFICATE PASSWORD>>",
        "DNSName": "FOIAXpress"
    },
    "AppPool": "FXAppPool"
```

Setting	Description
InstallLocation	Specify a path for the application installation.Note this must be a file path for the .json file the execute.
BackupLocation	Specify a path for the application backup location. Note this must be a file path for the .json file the execute. Note: The BackupLocation must exist in the specified file path

8.4 Database Settings

The "DB" section contains the settings for installing or upgrading your FOIAXpress database. In case of a new installation, an agent account will be created.

Note: You do not need to edit the AgentAccount fields during an upgrade, these can remain as-is.

```
"DB": {
    "DBServer": "<<DATABASE SERVER NAME>>",
    "DBName": "<<DATABASE NAME>>",
    "CreaterDBUserId": "<<DB CREATER USER ID>>",
    "CreaterDBUserPassword": "<<DB CREATER USER ID PASSWORD>>",
    "IntegratedSecurity": "N",
    "AgentAccount": "<<AGENT NAME TO CONNECT FOIAXpress DB>>",
    "AgentAccountIntegratedSecurity": "N"
```

Setting	Description
DBServer	Name assigned to the server responsible for storing, retrieving, and managing FOIAXpress data
DBName	Name given to the specific database used for FOIAXpress

Setting	Description
CreaterDBUserID	 Database User ID to be used for this installation. The CreaterDBUserId must have the following roles and permissions: dbcreator dbowner securityadmin GRANT ANY OBJECT PRIVILEGE
CreaterDBUserPassword	 Password associated with the account used in the "CreaterDBUserID" field. Notes: If you do not wish to enter this password in the .json file, you will have the option to manually enter the password while running the deployment. If utilizing integrated security (see the following option), you are not required to provide a password as the user is authenticated using Windows authentication.
IntegratedSecurity	Use "Y" or "N" to determine if you are using integrated security in this installation

8.5 File Repository Settings

The "FileRepository" section contains the setting for different file paths used by the FOIAXpress application to store files.

Notes:

• These fields can remain as-is during the upgrade.

 If these settings are ever updated, you must restart IIS on the application server. Failure to restart IIS on the application server after changing the file repository settings will cause cache-related issues

8.6 Authentication Settings

The "Authentication" section contains settings needed for FOIAXpress to authenticate using FORMS authentication after the application is installed. These fields can remain as-is during the upgrade.

Note: These fields can remain as-is during the upgrade.

8.7 SMTP Server Settings

The "SMTPServer" section contains setting for the application's mail server. These fields can remain as-is during the upgrade.

Note: These fields can remain as-is during the upgrade.

8.8 EDR Settings

The "EDRDBS" section is used to store database settings for one or more EDR databases. The settings should specify the database server where the named database(s) should be installed using the CreaterDBUserId and password. If the AgentAccount is not present, you must create the given AgentAccount.

Note: You do not need to edit the AgentAccount fields during an upgrade, these can remain as-is.

```
"EDRDBS": [
    {
        "DBServer": "<<EDR DATABASE SERVER NAME>>",
        "DBName": "<<EDR DATABASE NAME>>",
        "CreaterDBUserId": "<<EDR DB USER CREATER ID>>",
        "CreaterDBUserPassword": "<<EDR DB USER CREATER PWD>>",
        "IntegratedSecurity": "N",
        "AgentAccount": "<<AGENT NAME TO CONNECT EDR DB>>",
        "AgentAccountIntegratedSecurity": "N",
        "AgentAccountIntegratedSecurity": "N",
        "AgentAccountIntegratedSecurity": "N",
        "AgentAccountIntegratedSecurity": "N",
        "ConnectionName": "<<CONNECTOR NAME>>"
```

Setting	Description
DBServer	Name assigned to the server responsible for storing, retrieving, and managing EDR data
DBName	Name given to the specific database used for FOIAXpress EDR.
CreaterDBUserId	Database User ID to be used for this installation. The CreaterDBUserId should have admin rights with the ability to create a new database or database object on the specified Database server
CreaterDBUserPassword	Password associated with the account used in the "CreaterDBUserID" field. Note: If you do not wish to enter this password in the .json file, you will have the option to manually enter the password while running the deployment.
IntegratedSecurity	Use "Y" or "N" to determine if you are using integrated security in this installation

8.9 General Application Configuration

The "Configuration" section contains settings for initial install application configuration, setting up the basic details required to log in and get started in the application. This account is the primary administrator account for the application.

Note: These fields can remain as-is during the upgrade.

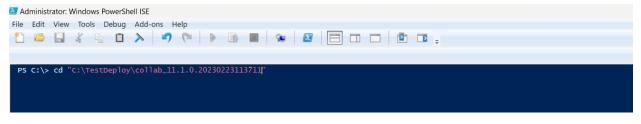
9 Run Install.ps1

Before you are ready to run the Install.ps1 file, review the steps below to verify you've completed all the steps to this point:

- Ensure your system meets the minimum requirements outlined in the Deployment System Requirements section.
- Make sure you have connectivity to the servers where the software is being installed.
- Complete the procedures described in the Deployment System Requirements section.
- Download, verify, and extract the FOIAXpress Installation package.
- Configure the Inputs.json file for your installation.

Once the above prerequisites are complete, follow the steps below to deploy the FOIAXpress Installation package.

- 1. Open Windows Powershell ISE.
- 2. Use PowerShell to navigate to the location where you extracted the installation package:

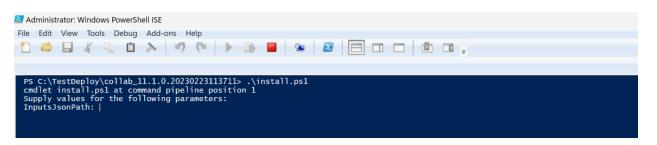


3. Type .\install.ps1 for either install or upgrade.

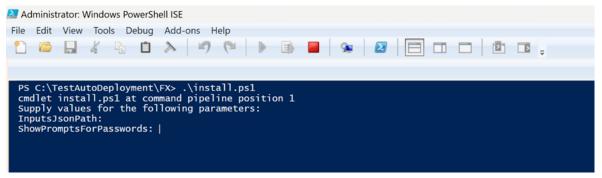


4. If the inputs.json file is in same location as the extracted installation files, simply click enter to execute the installation. Alternatively, if you have file in different location provide this file location, then execute the script.

Run Install.ps1



5. Once the inputs.json parameter is passed, it will ask whether to show/not to show prompts for passwords during the installation process. If you provided the password in the Inputs.json file, enter **N**. To enter the password manually, or if you did not enter the password in the Inputs.json file, enter **Y**. Next, hit **Enter** on your keyboard.



- 6. The installation procedure executes. See the following section for post-installation procedures to verify the application deployed successfully.
- 7. If you elected to enter your password manually, you will be prompted to do so at times during the installation.

10 Post-Installation Procedures

After successfully executing the install, you'll want to complete the post-install procedures outlined in the following sections to ensure the application and associated components are present and accessible in the installed location.

10.1 FOIAXpress Site

Follow the steps below to verify creation of the FOIAXpress site:

- 1. Open IIS.
- 2. Click to expand the Default Web Site list:

nnections	DEV-FX-01 Home	Actions
• 🔜 🖄 😥	Filter:	Manage Server
DEV-FX-01 (AINS_HQ\smehrabanzad)	ASP.NET NET JNET JNET MACHINE Key Pages and Authorizat Compilation Pages Providers Session State SMTP E-mail	 Start Stop View Application Pools View Sites Change .NET Framewo Version Get New Web Platform Components Help
 Billing Billing Sont Config Controls Controls Controls Help HelpFiles Images Query 	IIS Authentic Compression Default Document Directory Browsing Error Pages Handler Mappings ITTP Respon ISAPI and ISAPI and CGI Restri ISAPI Filters Image: Logging MIME Types Modules Output Request Server URL Rewrite Worker	
> Localization > Lockups > Reports > Request > Schedules > Schylesheet	Caching Filtering Certificates Processes Management Configurat Feature Shared Web Configurat Feature Shared Web Veb Veb	
> - 🚆 ZFPDocs	Features View	

3. Verify that the FOIAXpress application is listed.

10.2 Application Pool - FXAppPool Exists

Follow the steps below to verify that the application pool created for the application exists:

- 1. Open IIS.
- 2. Click to expand the Application Pools list:

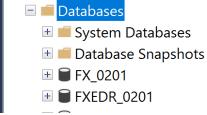
← → DEV-FX-01 → Application Pools					
File View Help					
Start Page This page lets you	re application	age the list of ap s, and provide is	oplication pools on olation among diff w All Group by:		pools are associate
✓ Oefault Web Site Name > -□□ aspnet_client		.NET CLR V v4.0 v4.0 v4.0 v4.0 v4.0	Managed Pipel Integrated Classic Integrated Integrated	Identity ApplicationPoolId ApplicationPoolId ApplicationPoolId NetworkService	0

3. Verify that the Application Pool specified in the inputs.json file is listed.

10.3 Database Check

Follow the steps below to check that the databases specified in inputs.json were successfully created:

- 1. Using management studio, connect to the database server specified in the Inputs. Json.
- 2. Login with the CreaterDBUserId login and password specified in the Inputs.Json.
- 3. Expand the list of databases.
- 4. Verify that the database specified in the Inputs. Json is listed.
- 5. Open up a query window and execute the following query. select * from tblConfig where vckey = 'Version'
- 6. In the row returned from this query, the vcValue should be the same as the database version:
- 🖃 🐻 FXDEVTESTING (SQL Server 14.



10.4 URL Access

To verify that the application successfully loads when accessing the URL, open a supported web browser and navigate to the configured application URL. The FOIAXpress log in screen appears as shown below. Enter the Admin credentials configured in the general settings section of the Inputs.json file (see *General Application Configuration*) to log in.

Sign In		
Username		
Password		0
Forgot your pass	word?	

10.5 Update License

Follow the steps below to update the FOIAXpress license within the application:

- 1. Log in to FOIAXpress.
- 2. Navigate to Administration > Features and Licenses:

lome Requesters 🗸	Requests \checkmark	Document Management \checkmark	Administration	Reports	Request #
Home >> Administration	n				
System Configuration		Features and Licenses			
System Administration		$\xi \equiv$ Application Features		Opput	rade Licenses
Dashboards		C License Information			
Security					
Organization Setup					
Collaboration Room					
Lookups					
Request Management					
Document Management					
Retention Module					
Jobs					
Electronic Document Revie	ew (EDR)				
Features and Licenses					

- 3. Select Upgrade Licenses.
- 4. The *Upgrade Licenses* window appears as shown below. Click Browse to locate and select the license file from your local machine or other network location.

Home >> Administration	
System Configuration	Features and Licenses
System Administration	SE Application Features
Dashboards	Upgrade Licenses
Security	To select the file, type the path of the file or click on 'Browse'":
Organization Setup	File :
Collaboration Room	Browse
Lookups	Save Close
Request Management	
Document Management	
Retention Module	
Jobs	
Electronic Document Review (EDR)	
Features and Licenses	

5. After selecting the file, click **Save** to save your application license.

10.6 Add Scheduler Jobs

After installing FOIAXpress, you must manually add any required scheduler jobs via FOIAXpress Administration:

- 1. Log in to FOIAXpress.
- 2. Navigate to Administration > System Administration

Home Requesters \lor Requests \lor	Document Management \checkmark	Administration	Reports	Request
Home >> Administration				
System Configuration	System Administration			
System Administration	□ Fxport/Import Roles & Permissions		Ū	Request Recycle Bin
Dashboards	Export/Purge Audits		Ø	Scheduler Configuration
Dasnboards	(a) Global Address List Settings		\$	Services Configuration
Security			P	System Jobs
Organization Setup	\rightarrow] Look Up Data Localization			System Settings
Collaboration Room				
Lookups				
Request Management				

3. Click **Scheduler Configuration**. The *Scheduler Configuration* screen appears as shown below:

Scheduler Configuration					×
Schedulers: SchedulerService@QA-FX-WIN2022	▼ Remove S	icheduler			
SchedulerService@QA-FX-WIN2022 Allowed	d Jobs				
Job Name	Is System Job?	Instances	Remove		
Sends all outgoing email messages	Yes	1	×		
EDR - Jobs	No	1	\times		
EDR Search Criteria	No	1	\times		
Send/Save Documents for Consultation	No	1	\times		
Add collaboration Documents to Request folder	No	1	\times		
Save To Disk	No	1	\times		
Document Delivery	No	1	\times		-
	Add New Jobs				
			Save Refresh	Close	

4. Select your respective scheduler and jobs from the drop-down lists. When you've configured your scheduled jobs, click **Save** to save the configuration.

10.7 EDR Database Password

For new installations which include the EDR module, the EDR Database Password must be manually updated within the application to enable EDR access. Follow the steps below to update the EDR password following application deployment.

1. Access the application as an Administrator and select **Administration > Electronic Document Review (EDR) > EDR Databases:**

Home >> Administration			
System Configuration	Electronic Document Review (EDR)		
System Administration	EDR Configuration	🖄 EDR Requests	
Dashboards	EDR Databases	EDR Usage Report	
Security			
Organization Setup			
Collaboration Room			
Lookups			
Request Management			
Document Management			
Retention Module			
Jobs			
Electronic Document Review (EDR)			
Workflows			
Features and Licenses			

2. Select the EDR database from the list then click **Change Password**:

EDR Databases	s - FOIAXpress				×
Edit Change P	Password Refresh Close				
Name	Request #	Multiple Requests	Single Request		
EDRDB		Yes	No		
	▶ Page size: 100 ▼		1 it	ems in 1 pa	ges

3. Enter the EDR database password in the **New Password** and **Confirm New Password** fields, then click **Save**:

Change Password - FOIAXpress							×
Database server name :	192.1	68.3.68					
Database name :	EDRD)B					
Login name :	EDRU	lser					
Password Information							
New Passv	vord*:]				
Confirm New Passv	vord*:						
Note: * Fields are mandatory							
				Save	Back	Clos	se

10.8 Logs

There are multiple logs that get generated during the installation that provide more detail:

- Databasedeploy.txt: Contains FOIAXpress database detailed deployment information.
- *Edrdatabasedeploy.txt*: contains EDR database detailed deployment information.
- FOIAXpress_Install_LOG_<date>.txt: Contains the top-level deployment log.
- Scheduler Logs: Scheduler log files will be in the FOIAXpress application log folder.

10.9 Pendo Integration

For SaaS customers, Pendo integration must be enabled when upgrading from any version below 11.5.1. This integration only needs to be enabled once.

Note: Pendo integration is only for SaaS customers and should not be enabled for on-prem installations.

To enable Pendo integration for SaaS customers:

- 1. Update the 'PendoIntegration' value to 'Y' by running the following query in the database: update tblConfig set vcValue='Y' where vcKey='PendoIntegration' and vcSection='General'
- 2. Use the IISRESET command to restart IIS.

10.10 API Installation

We've created the FOIAXpress API to allow for integration with external data monitoring applications. This is a standalone API that is included in the FOIAXpress installation package. This API must be installed separately from the FOIAXpress application, and users of the API must be authenticated application users with permissions to access the data being queried.

Notes:

- The API is required for v11.7.0 and above.
- The API must be upgraded along with the application. If you already have the API installed, you're still required to upgrade the API to the latest version.

10.10.1 API Installation Prerequisites

The following prerequisites must be fulfilled to use the API:

• The API is included with FOIAXpress version 11.7.0, and you must be on this latest application version to use the API.

- You must install .Net Core Hosting Bundle v.7.0.11: <u>https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-aspnetcore-</u> <u>7.0.11-windows-hosting-bundle-installer</u>
- You must ALSO install .Net Core Hosting Bundle v.8.0.6: <u>https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-aspnetcore-8.0.6-windows-hosting-bundle-installer</u>

Note: You must install both .NET v7.0.11 AND v8.0.6 for the API to function.

10.10.2 Unzip the Installation Package

The API installation package is included in the FOIAXpress 11.7.0 application files. After downloading the package, follow the steps below to unzip the file:

- 1. Locate the downloaded .zip file, then right click it and select **Properties**.
- 2. On the General tab, select **Unblock**, then click **Apply**.
- 3. Next, unzip the contents of the folder. The contents of the package appear as shown in the following example:

Name	Туре	Compressed size
EOIAXpressAPI	File folder	
installscripts	File folder	
inputs	JSON File	1 KB
🧟 install	Windows PowerShell Script	6 KB
🦻 uninstall	Windows PowerShell Script	5 KB

10.10.3 About the Installation Package

There are two primary files you'll interact with during installation:

Name	Туре	Compressed size
FOIAXpressAPI	File folder	
installscripts	File folder	
inputs	JSON File	1 KB
install 2	Windows PowerShell Script	6 KB
🧟 uninstall	Windows PowerShell Script	5 KB

- 1. *Inputs.json*: Drives the installation of the API components. The file is in a standard json format and needs to remain a valid json file for successful installation.
- 2. *Install.ps1*: The executable file you will run to deploy the installation package with the parameters configured in the Inputs.json file.

10.10.4 Inputs.Json Settings for Installation

The Inputs.json file located in the root directory of the extracted deployment package zip file drives the installation of the different components of the FOIAXpress API. The file is in a standard json format and needs to remain a valid json file post updates prior to the installation.

The settings are grouped into sections, each addressing different parts of your installation. This section describes each part of the Inputs.Json file.

Use the "InstallType" section to determine if this is a new installation, or an upgrade for an existing system:

```
{
    "inputs": {
        "InstallType": {
            "New": "Y",
            "Upgrade": "N"
        },
```

Setting	Description
New	Determine whether this is a new installation. For new installations this should be a "Y" value.
Upgrade	Determine whether this is an upgrade for an existing application. For new installations this should be a "N" value.

The "API" section has settings related to the Collaboration Portal application and scheduler installations. A value must be set for all fields in this section to successfully install the application:

Notes:

- For the SSLCert and AppPool fields, use the same values provided for FOIAXpress installation
- Any files paths specified must have two backslashes where a path in windows explorer requires a single backslash.

```
"API": {
    "Name": "F0IAXpressAPI",
    "InstallLocation": "C:\\Program Files",
    "BackupLocation": "C:\\backup",
    "SSLCert": {
        "SSLPort": "443",
        "CertPath": "<<Certificate Path>>",
        "CertPassword": "<<Certificate Password>>"
},
    "AppPool": "<<AppPoolName>>"
```

Setting	Description
Name	Name for the API program file.
InstallLocation	Specify a path for the API installation.Note this must be a file path for the .json file the execute.
BackupLocation	Specify a path for the API backup location.Note this must be a file path for the .json file the execute.
SSLCert	The following lines contain the SSL Certificate information. No data is required on this line. This is the grouping for SSL Certification settings to be used for the installation.
SSLPort	The network port designated for your application's secure communications using SSL.
CertPath	Specify a path where the .pfx certificate file is located. Note this must a file path for the .json file to execute.

Setting	Description
CertPassword	Enter the password associated with the certificate linked in the "CertPath" field.
DNSName	Enter the Domain Name System (DNS) name for the domain associated with the application.
AppPool	Enter the name of the application pool associated with your FOIAXpress API.

The "DB" section contains the settings for installing or upgrading your API database. In case of a new installation, an agent account will be created.

Note: Database details should be the same as used for the FOIAXpress installation.

```
"DB": {
    "DBServer": "<<SQL Server Name>>",
    "DBName": "<<SQL DB Name>>",
    "DBUserId": "<<DB UserId>>",
    "DBUserPassword": "<<DB Password>>"
```

```
SettingDescriptionDBServerName assigned to the server responsible for storing, retrieving,<br/>and managing API data.DBNameName given to the specific database used for FOIAXpress API.DBUserIDDatabase User ID to be used for this installation. The DBUserId<br/>should have admin rights with the ability to create a new<br/>database or database object on the specified Database server.
```

Setting	Description
DBUserPassword	Password associated with the account used in the "DBUserID" field.

10.10.5 Install the API

Before you are ready to run the Install.ps1 file, review the steps below to verify you've completed all the steps to this point:

- Make sure you have connectivity to the servers where the software is being installed.
- Download, verify, and extract the API Installation package.
- Configure the Inputs.json file for your installation.

Once the above prerequisites are complete, follow the steps below to deploy the API installation package.

- 1. Open Windows Powershell ISE.
- 2. Use PowerShell to navigate to the location where you extracted the installation package:



3. Type .\install.ps1 for either install or upgrade.



4. If the inputs.json file is in same location as the extracted installation files, simply click enter to execute the installation. Alternatively, if you have file in different location provide this file location, then execute the script.



5. The installation procedure executes. To verify the installation, launch the API

10.10.6 Managing API Access

10.10.6.1 About Authentication

Each API user must be authenticated before they are able to use the API. To provision API access, we've created an Access Token Tool which you'll use to create tokens for each API user. These tokens are time limited and must be provisioned again after expiration. This expiration period is configurable, and we recommend a 30-day expiration period for these tokens.

10.10.6.2Authentication using Access Token Tool

Each API user must be authenticated before they are able to use the API. To provision API access, we've created an Access Token Tool which you'll use to create tokens for each API user. These tokens are time limited and must be provisioned again after expiration. This expiration period is configurable, and we recommend a 30-day expiration period for these tokens.

Follow the steps below to create access tokens for your API users:

1. When logged into the application as an Administrator, click your **User Menu** then select **Access Token**:

	\sim	Help 🗸	Sign Out
	Q My Profile		
	Preferences		
Request #	My Jobs		Q
Dashboards 🗗	Access Token	ł	•
My Work	c <u>S</u> ummary		

2. After selecting **Access Token**, the tool appears as shown in the following example:

=	Access Token	1		×
	Access Token Tool			
	Access Token ID :	5db54a6a-40df-4db8-8827-98e1bde655bd		
	Access Token Name :			
	User :	jgatewood		
	Expiration :			
		Create Cano	el	

- 3. You'll use the fields on this screen to configure tokens for your API users. These are described below:
 - a. The AccessToken ID is a random GUID which is assigned to each token. This is prepopulated.
 - b. Enter a name in the Access Token Name field, which should help reference back to the token's assignee.
 - c. In the *User* field, enter the application username for the user who will be assigned this token. This must be a valid application username, and the user must have application permissions to view the request data they will be querying using the API.
 - d. Enter an Expiration time for the token. The token will expire after the listed date, and a new token must be provided for that user to access the tool. Expiration options include **30 days**, **60 days**, **90 days**, or you can use the **Custom days** option to configure a custom expiration period. Use the **Calendar** to select the custom expiration date
- 4. Click the Create button to create the token with the provided details.
- 5. After clicking **Create**, the screen refreshes to display the generated token. You can manually copy the token, or click **Copy** to copy it to your clipboard.

[E Access Token		×
	Access Token Tool		
	A new access token has been created successfully. Copy the token now!		
	ld: 78b64d0b-c233-401f-a097-541cebd107c6		
	Name: Sample token		
	eyJhbGciOlJodHRwOl8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGRzaWctbW9yZSNobWFjLXNoYTUxMilsInR5cCl6lkpXVCJ9.eyJodHRwOl8vc2NoZW1hcy54bWx zb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5LZNsYWltcy9uYW1ljoiamdhdCV3b29kliwiaHR0cDovL3NjaGVtYXMueG1sc29hcC5vcmcvd3MvMjAwNS8wNS 9pZGVudGloe59jbGFpbXMvbmFtZWlkZW50aWZpZXIIOII3OG12NGQwY11jMjMzLTQwMWYtYTASNy01NDFjZWJkMTA3YzYILCJIeHAiOjE3MDU1NTQwMDB9 .vprB1V3ZDI1JV8gq9_xR5cCkQoYS3xr2cr_2PXWor1x14zK36KXY8AvrMitkjakwu_V4ur_g-KcpVj8Z0boSBA	Сору	
	!. Warning - Make Sure you copy the above token now. We DO NOT store it and you will not be able to see it again.		
	Validate Access T	oken C	lose

Note: You must copy the token from this screen, as the token is not stored anywhere in the application and cannot be retrieved once this screen is closed.

6. Save the copied token to a secure location, where you can retrieve it to authenticate this user.

7. You can also click **Validate Access Token** to check whether the token is currently validated. If validated, a pop up appears as shown below:



10.10.6.3API Logs

You can view logs of actions taken in the API. These are available in the following location: <FOIAXpress_Install_Location>\Logs\FOIAXpress\API

If the default location is chosen, the logs should be located at:

C:\Program Files\FOIAXpress\Logs\FOIAXpress\API

10.11 AI Assistant Integration

To integrate with the FOIAXpress AI Assistant, you must complete the following:

- Install CoreNLP, either via Docker or Java (both processes are outlined in the following sections)
- Configure the application with the FOIAXpress API and AI API details

10.11.1 CoreNLP for Docker

Follow the steps in the section below to deploy CoreNLP using Docker.

10.11.1.1 Install Docker Desktop for Windows

You must have Docker Desktop installed. If you don't have Docker Desktop installed, follow the steps below:

- 1. **Download Docker Desktop**: Visit the official Docker website and download the Docker Desktop version for Windows. <u>Docker Desktop</u>
- 2. **Run the Installer**: Execute the installer and follow the instructions. You may need to enable virtualization in your BIOS if it's not already activated.
- 3. **Restart Your Computer**: Restarting ensures all necessary features are activated and functioning.
- 4. **Start Docker Desktop**: Open Docker Desktop from the **Start** menu. It might take a while to initiate for the first time as it sets everything up.



10.11.1.2 Configure Docker Desktop

Check Settings: Click on the **Docker** icon in the system tray and open **Settings** or **Preferences**. Make sure to adjust the memory and CPUs allocated according to the software's needs you plan to run CoreNLP.

10.11.1.3 Get the Docker Image for Stanford CoreNLP

- 1. **Open Command Prompt or PowerShell**: You can do this by searching for "cmd" or "PowerShell" in the **Start** menu and selecting the application.
- 2. **Download the CoreNLP Docker Image**: Run the following command to download the official image:

Bash:

docker pull nlpbox/corenlp

This command pulls the Docker image containing Stanford CoreNLP from Docker Hub.

10.11.1.4 Run CoreNLP Inside a Docker Container

Start the Container with Custom Settings: To use CoreNLP with extended timeout settings and a custom port, execute the following command:

Bash: docker run -p 59000:59000 -e TIMEOUT_MILLISECONDS=600000 -d nlpbox/corenlp

This command starts the Docker container exposing port 59000 for local use and sets the server's timeout to 600,000 milliseconds (10 minutes). The -d option ensures the container runs in "detached" mode, freeing up the command line for other uses.

10.11.1.5 Verify Execution

To check if the CoreNLP server is running correctly, you can try accessing http://localhost:59000 in your browser. If configured correctly, you should be able to see the Stanford CoreNLP web interface.

With these steps, Docker and Stanford CoreNLP are now set up on your Windows system with specific customizations to better suit your analysis needs and extended timeout settings.

10.11.2 Install CoreNLP Using Java

10.11.2.1 Install Java

Stanford CoreNLP requires Java 8 or later. If you do not already have this application installed on the application server, follow the steps below:

- 1. Download Java:
 - a. Visit the Oracle website to download the Java JDK: Oracle JDK Downloads.
 - b. Choose the appropriate Windows installer for your system architecture (32-bit or 64-bit).
- 2. Install Java:
 - a. Run the downloaded installer and follow the installation instructions.
- 3. Verify Java Installation:
 - a. Open Command Prompt and type:

Bash:

java -version

b. This should display the installed version of Java. Ensure it is Java 8 or higher.

10.11.2.2 Download and Set Up Stanford CoreNLP

Download Stanford CoreNLP:

- 1. Go to the Stanford CoreNLP official website: https://stanfordnlp.github.io/CoreNLP/index.html
- 2. Download the latest version of Stanford CoreNLP zip file.
- 3. Once downloaded, extract the zip file to a directory of your choice, for example, C:\StanfordNLP.

10.11.2.3 Run Stanford CoreNLP Server

- 1. Launch the Stanford CoreNLP Server:
- 2. Open Command Prompt.
- 3. Navigate to the directory where you extracted Stanford CoreNLP: Bash (example):

cd C:\StanfordNLP

4. Use the following command to start the server: Bash: java -mx4g -cp "*"
edu.stanford.nlp.pipeline.StanfordCoreNLPServer -port 59000 timeout 15000

Note: Port 59000 is an example, you are not required to use this port. If you change this value, use the updated value in the following section when entering the URL.

5. This command starts the CoreNLP server on port 59000 with a timeout of 15000 milliseconds and allocates 4 GB of memory to the process.

10.11.2.4 Verify the Server

1. Open a web browser and go to http://localhost:59000

Note: The "59000" value above is based on the port configured in the previous section. Use your configured port value in this URL.

2. You should see the Stanford CoreNLP server interface, indicating that the server is running and ready to process text. Leave this browser tab open, you'll need to retrieve this URL and add it to FOIAXpress configuration later in this process

10.11.3 Application Configuration

10.11.3.1 General Configuration

- 1. Log in to the application as an administrator and access Administration > System Configuration > General Configuration.
- 2. Under Application Next-Gen URL, copy and paste the API This should follow the format https://<IP>/FOIAXpressAPI where <IP> is the installed IP for the API.
- 3. In the AI API URL field, copy and paste the AI URL (from step 2 in section 10.11.2.4).
- 4. Click **Save** to save the configuration.

10.11.3.2 AI Roles and Permissions

There are three types of AI user permissions within the application:

- 1. AI Config Application Role Permission: Users with the AI Config application role permission can view and edit three AI configuration pages. Click the links below to learn more about these configuration pages:
 - a. <u>AI Redaction Templates</u>
 - b. <u>Redaction Knowledge Base</u>
 - c. <u>Al Trainers</u>

- 2. AI User Role: Application users who are allowed to use the AI Assistant feature within document management. This is a license-based role, and all AI users must have an active license.
- 3. AI Trainer Role: A subset of the AI Users, AI Trainers are selected to feed redaction data into the Redaction Knowledge Base, which contains a repository of all redactions performed by AI Trainer to identify patterns and frequently encountered data.

10.11.3.3 Using the AI Assistant

There are two main components to the AI Assistant feature. AI Redaction Templates, and applying these templates to documents in Document Management. Follow the links below to learn more about using the AI Assistant with CoreNLP:

Using the AI Assistant

Al Redaction Templates

10.12 User Manual URL

An important note when upgrading to FX or AX 11.7.2: you must manually update the User Manual URL in the *General Settings*. The incorrect link was provided as a default value in the setup files, so these must be corrected manually. Follow the steps below after upgrading to v11.7.2 to correct the manual link:

- 1. Log in to the application as an Administrator
- 2. Access Administration > System Configuration > General Configuration and locate the User Manual URL field:

	General Configuration		×
	Default Date Format* :		*
L	Example :	06/27/2024	
L	Work Hours*:	1650	
L	Number of Days to Retain Job Listing on Home > My Jobs Link * :	14	
L	Application URL* :	http://	
L	Application Next-Gen API URL :	x	
L	ALAPI URL*:	x	
L	User Manual URL* :	https://docs.opexustech.com/docs/atipxpress/11.7.0/atipxpress/user	
L	Error Log Backup Policy		
L	Exceeds Size* :	1 (in MB)	
L	Exceeds Days* :	30	
L	Dashboard Configuration		1
L	Update for Logged-in Users Every* :	15 V Minutes V	
L	In Officer Dashboard Display Workload by :	Action Office 🔹	
	Note: Refresh dashboard to update configuration change.		
		Soun Defeath Cla	 •

3. In the User Manual URL field, paste the following over the existing link:

- 4. If no values are present in the *Application Next-Gen API URL* field, enter dummy data here to bypass the requirement ("x" for example).
- 5. Click Save.
- 6. Log out of the application, then log back in.
- 7. Click **Help > Online Manual** and verify that the correct version of the User Manual opens at the correct link (with v**11.7.0** in the URL).

For environments using Azure, you must also complete the following procedures after running the installation file.

Note: These steps only apply to Azure based environments.

11.1 Creating App Service on Azure Portal

Follow the steps below to crate the app service on the Azure portal:

1. Log in to the Azure portal and navigate to App Services in the left sidebar.

+ Create a resource	
🛧 Home	
🗔 Dashboard	
E All services	
— 🛨 FAVORITES ————	
All resources	
📦 Resource groups	
🔇 App Services	
Function Apps	

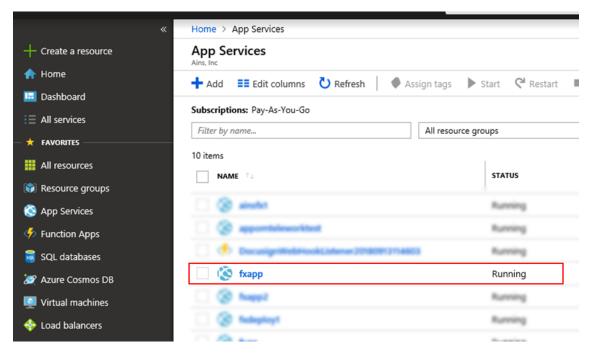
2. Select Add to create a new App Service. Click the Web App option and click the Create.



3. Enter the name the application ("FXapp") in the App Name field and click Create.

«	Home > App Services > Marketplace > Web Ap
- Create a resource	Web App
🛖 Home	Create
🔙 Dashboard	* App name
∃ All services	fxapp 🗸
🕂 🛨 FAVORITES	.azurewebsites.net * Subscription
All resources	Pay-As-You-Go 🗸
😭 Resource groups	* Resource Group
S App Services	Create new Use existing
Function Apps	fxapp 🗸
SQL databases	* OS Windows Linux
🦉 Azure Cosmos DB	* Publish
Virtual machines	Code Docker Image
Load balancers	
Storage accounts	* App Service plan/Location > FXAppServicePlan(East US)
Storage accounts Virtual networks	
	Application Insights
Azure Active Directory	fxapp
Monitor	
Advisor	
Security Center	
Oost Management + Billing	
Help + support	
	Create Automation options
https://portal.azure.com/#home	4

Note: The newly created App Service is not immediately accessible but will appear after a short time (<5 minutes).



11.2 Zip Deploy FOIAXpress to the Azure App Service

Follow the steps below to zip deploy FX to the Azure app service:

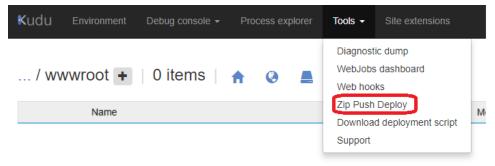
1. Click the newly created App Service ("**FXapp**") and navigate to the *Development Tools* section in the middle pane. Select **Advanced Tools** and click **Go** in the right pane.

Development Tools						
B	🗞 Clone App					
2	Console					
K	Advanced Tools					
-						

2. The site opens the *Diagnostic Console* in a new tab. Navigate to the new tab, click the **Debug console** drop-down list and select **CMD**.

Kudu Environment	Debug console 🗸	Process explorer	Tools 🗸	Site extensions
Environment	CMD PowerShell			
Build	79.20110.3714.0 (2ad	:8f3685d)		
Azure App Service	79.0.8598.64 (rd_web	sites_stable.181217-	1712)	
Site up time	00.00:05:09			
Site folder	D:\home			
Temp folder	D:\local\Temp\			

- 3. Using either file browser at the top or the command line console at the bottom, add new folders for Application Logs by creating the path **D:\home\site\Logs\FOIAXpress**.
- 4. Navigate to D:\home\site\wwwroot and delete hostingstart.html.
- 5. Click the Tools drop down, and select Zip Push Deploy.



6. Locate the **AzureApp.zip** file provided in the FOIAXpress setup folder. Drag and drop the zip file onto the Kudu console and wait for 100% completion.

Note: Use Google Chrome or Microsoft Edge to ensure Drag and Drop functionality is available in the Kudu console.

	FXAX10.7		
Name	Date modified	Туре	Size
PAL	12/1/2020 9:54 AM	File folder	
Sprint 1	12/8/2020 2:44 PM	File folder	
/wwwroot + 0 items			
Name	Modified	Size	
Drop here to dep			
► ► Deployment Id :			
/wwwroot + 0 items		10%	
Name	Modified	Size	
~~			

11.3 Configure the FOIAXpress App Service

Follow the steps below to configure the FX app service:

1. Navigate to the *Azure Portal* tab in your browser and select **Application Settings** within the *Settings* section in the middle pane.

Ains, inc	App service	
➡ Add III Edit columns ···· More		1 We're working on revamping Application Settings. Click here to try out the new preview experience. →
Filter by name	Overview	R Save X Discard
NAME 💠	Activity log	General settings
(S) ander	Access control (IAM)	-
(2) apportalescritted	🛷 Tags	.NET Framework version 🛈 V4.7
🚸 DocurigeWebHookListener2018091-	X Diagnose and solve problems	PHP version 🖲 Off 🗸 🗸
🛞 бхарр	Deployment	App Service supports installing newer versions of Python. Click here to learn more.
@ frapp2	📣 Quickstart	Python version 🕲 Off
Stateplay1	Deployment slots (Preview)	Python version V Off V
S +++	Deployment slots	Java version 🖲 Off 🗸 🗸
🚸 shuttlebuildy	🐔 Deployment Center	Java minor version 🜒 🗸 🗸
🚸 shuttlebuddgjoorresponse	Settings	Java web container 🜒 🗸 🗸
(2) topos	Application settings	Platform 1 32-bit 64-bit

- 2. Within General Settings, make the following changes and click Save.
- 3. Change the PHP version to Off.
- 4. Change the *Platform* setting to **64-bit**.
- 5. Change the Always On setting to **On**.

		We're working on revamp	ing Application Settings. Click here to try out the new preview	experie
S Overview	► S	ave 🗙 Discard		
Activity log	Gene	eral settings		
Access control (IAM)				
🛷 Tags	.NET	Framework version 🕄	v4.7	~
X Diagnose and solve problems	РНР	version ()	Off	×
Deployment	0	App Service supports in	stalling newer versions of Python. Click here to learn more.	Ľ
😃 Quickstart	Pvth	ion version ()	Off	~
Deployment slots (Preview)				
Deployment slots	Java	version 🕄	Off	~
5 Deployment Center	Java	minor version 0		
Settings	Java	web container ()		
Application settings	Plat	form 🚯	32-bit 64-bit	
Configuration (Preview)				
Authentication / Authorizati	Web	sockets 🛈	Off On	
Application Insights	Alwa	ays On 🟮	Off On	
🐍 Identity	Man	aged Pipeline Version	Integrated Classic	
Backups				
Custom domains	нтт	P Version	1.1 2.0	
SSL settings		You can improve the p	erformance of your stateless applications by turning off the	Ľ
Networking	0	Affinity Cookie, stateful increased compatibility	applications should keep the Affinity Cookie turned on for . Click to learn more.	
Scale up (App Service plan)				
Scale out (App Service plan)	ARR	Affinity	Off On	
💫 WebJobs	0	Auto swap destinations	cannot be configured from production slot	
U Push	~			

6. Scroll down to *Application Settings*, click **+ Add a new setting** to add each of the following settings and click **Save**:

App Setting Name	Value
WEBSITE_TIME_ZONE	Eastern Standard Time
APPINSIGHTS_PROFILERFEATURE_VERSION	Disabled
APPINSIGHTS_SNAPSHOTFEATURE_VERSION	Disabled

App Setting Name	Value
DiagnosticServices_EXTENSION_VERSION	Disabled
InstrumentationEngine_EXTENSION_VERSION	Disabled
SnapshotDebugger_EXTENSION_VERSION	Disabled
XDT_MicrosoftApplicationInsights_BaseExtensions	Disabled

Application	settings
Application	Jettings

Hide Values Show Values			
PP SETTING NAME	VALUE	SLOT SETTING	DELET
APPINSIGHTS_INSTRUMENTATIONKEY	Hidden value. Click to edit.		×
APPINSIGHTS_PROFILERFEATURE_VERSION	Hidden value. Click to edit.	×	×
APPINSIGHTS_SNAPSHOTFEATURE_VERSION	Hidden value. Click to edit.	×	×
ApplicationInsightsAgent_EXTENSION_VERSIO	N Hidden value. Click to edit.	×	×
DiagnosticServices_EXTENSION_VERSION	Hidden value. Click to edit.		×
nstrumentationEngine_EXTENSION_VERSION	Hidden value. Click to edit.	×	×
SnapshotDebugger_EXTENSION_VERSION	Hidden value. Click to edit.	×	×
WEBSITE_TIME_ZONE	Hidden value. Click to edit.		×
(DT_MicrosoftApplicationInsights_BaseExtensi	. Hidden value. Click to edit.	×	×
(DT_MicrosoftApplicationInsights_Mode	Hidden value. Click to edit.	2	×

7. Within the Connection Strings section, click + Add to add a new connection string. Enter the following values, substituting YourSQLServerName, YourFXDatabaseName, YourFXDatabaseLoginID and YourFXDatabasePassword that was provided during FOIAXpress database creation:

Name	ConnectionString
Value	Server= YourSQLServerName;Database= YourFXDatabaseName;Uid= YourFXDatabaseLoginID;Pwd= YourFXDatabasePassword;
Туре	SQLServer

Connection strings

Connection Strings are encry	pted at rest and transmitted over an e	crypted channel. You can choose to display th	em in plain text in your browser by ι
Hide Values Show Values	VALUE	Түре	
ConnectionString	Hidden value. Click to edit.	SQLS	erver
+ Add new connection string			

- 8. Click Save.
- 9. Navigate to the *Default Documents* section, remove all default entries, add login.aspx and click **Save** at the top of the pane.

D	efault documents	
	DOCUMENT NAME	
	login.aspx	

- + Add new document
- 10. Navigate back to the *Overview* section in the middle pane and click **Browse** to view the FOIAXpress application.

	Home > App Services > fxapp		
+ Create a resource	App Services « 🖈 🗙	Service	
🕈 Home	+ Add Edit columns More		🖸 Browse 🔳 Stop 🎽 Swap 💍 Restart 🏛 Delete
🛄 Dashboard			
∃ All services	Filter by name	S Overview	Click here to access our Quickstart guide for deploying code to y
* FAVORITES	NAME *+	Activity log	Resource group (change) fxapp
All resources	(a) analysi	Access control (IAM)	Status
📦 Resource groups	· apportations that	🛷 Tags	Running
le App Services	Documperitudestanks internet 2018009	X Diagnose and solve problems	East US
Function Apps	(S fxapp	Deployment	Subscription (change) Pay-As-You-Go
👼 SQL databases	@ happi	📣 Quickstart	Subscription ID c2b755c7-#834-4089-a63a-ab8c2d2fd965
🧟 Azure Cosmos DB	(@ fodeploy1	Deployment slots (Preview)	Tags (change)
Virtual machines	@ hep	Deployment slots	Click here to add tags
🔶 Load balancers	🚸 automaty	🕼 Deployment Center	
Storage accounts	🚸 skuttelestigjonnepense	Settings	Diagnose and solve
Virtual networks	(S) topos	# Application settings	Application Ins
Azure Active Directory		III Configuration (Braviand	Our self-service diagnostic and detect and dia troubleshooting experience helps in your apps, a

- 11. Once the application has finished loading, add FOIAXpress to your Trusted Sites.
- 12. Click the **cog** at the top right of the screen and select **Internet Options** from the drop-down list.
- 13. In the Internet Options window that appears, navigate to the Security tab.
- 14. Select the Trusted sites zone and click Sites. The Trusted Sites pop-up window appears.
- 15. Click Add and enter the FOIAX press site to the list of Trusted sites.

	? × Privacy Content Connections Programs Advanced wor change security settings.		OIA Xpress	Print File Zoom (100%) Safety	
Trusted This zone trust not your files.	contains websites that you Sites	şn In		Add site to Apps View downloads Manage add-ons F12 Developer Tools Go to pinned sites	Ctrl
Security level fo Allowed levels	Trusted sites	×		Compatibility View settings	
Med F Co C	You can add and remove websites from this z this zone will use the zone's security settings Add this website to the zone:	zone. All websites in		About Internet Explorer	
Enable Pr	https://dosfxapplazurewebsites.net/Login.aspx?l	lo Add	0		
	https://feespress.rcus.gov	Remove	yord?		
	Hige (Portext, role of oper Hige (Peeds of series Fest, con Hige (Peeds text, of series Fest, con				

11.4 Services Server Setup

The next step in the FOIAXpress Azure setup installs and configures the FOIAXpress Scheduler Service in an Azure VM environment. Complete the following steps for each Service server in the FOIAXpress Azure environment.

11.4.1 Install Required Dependencies

Follow the steps below to install required dependencies:

- 1. In the local copy of the setup files, locate the FOIAXpress\Server\Setup\VCRedist folder.
- 2. Install both versions of the Microsoft Visual C++ Redistributables: "vcredist2015_x64.exe" and "vcredist2010_x64.exe".

11.4.2 Configure the FOIAXpress Scheduler Service

Once the installation is finished, the FOIAXpress Scheduler Service is further configured to permit access to the Azure File Shares created in the first step of the FOIAXpress Azure setup process. Follow the steps below to configure the FX scheduler service.

- 1. Create a new user account on the FOIAXpress Services server using the username and password information obtained after creating the Azure File Shares.
- 2. In the example provided, username is "FXfilestorage" and password is "44yH0quDSoAmapeAKVGoNhqh3vEhD169U8n8SSyYS2jNNSmj5Z7n2znBQ2tTZSElw4 GbE9RB/CwGesjesjyGlg==".

- 3. Grant Read and Write permissions to the newly created user for the FOIAXpress Scheduler Service installation folder ("C:\Program Files\AINS FOIAXpress\").
- 4. Grant Read and Write permissions to the newly-created user to the Windows system folder ("C:\Windows\Temp") to permit access to the Temp folder and .NET Framework resources.

FOIAXpre	ess Sched	uler Service	e Properties (Lo	cal Compute	er)	×
General	General Log On Recovery		Dependencies			
Log on	as:					
	al System Allow servi		t with desktop			
This	account:	fxfil	estorage		Browse	
Pas	sword:		•••••	•••••		
Con	firm passw	ord:	•••••	•••••		
			OK	Cancel	Apply	

5. Navigate to Services from the start menu and locate the FOIAXpress Scheduler Service. Right click on the service and select **Properties**. Click on the **Log O**n tab and configure the Service to log on using the newly created user account.

11.5 Steps to Configure Single Sign-On in Azure AD

The process to configure SSO in AD is described in the following steps:

1. Login to the Azure portal and create an application for FOIAXpress (under **Enterprise Application**), and Select **Set up Single Sign On:**

C	Home 3			
+ Create a resource	fxsso Overview	-		
👚 Home	Enterprise Application			
Dwhithcard		4		
All services	Cverview	Properties		
 Inscriptures 	Ceployment Plan	Name Copy to diploard		
All resources	Manage	5600 (C)		
💌 Resource groups	Topeties	Application (D ()		
App Services	Owners	Otied 0 0		
SQL databases	A Roles and administrators	(d)	ы́,	
S Azure Cosmos Dill	Uses and groups	Getting Started		
Vitual machines	Single sign-on	Getting started		
Load balancers	© Invisioning			
Storage accounts	Application proxy	 Assign users and groups 	2. Set up single sign on	3. Provision User Accounts
Vitual networks	Self-service	Provide specific users and groups access to the applications	Enable users to sign into their application using their Azure AD credentials	Automatically create and delete user accounts in the application
Azure Active Directory	Culton security attributes	Assign users and groups	Oet started	Cet started
C Monitor	(preview)			
Advisor	Security			
Microsoft Defender for	Conditional Access	A. Conditional Assess	S. Self service	
Cloud	👶 Permissions	 Conditional Access Secure access to this application with a 	Drable users to request access to the	
2 Help + support	Token encryption	customizable access policy.	application using their Azure AD credentials	
Cost Management + Billing	Activity	Create a policy	Get started	
	Sign-in logs			
	🖬 Usage & insights	What's New		
	Audit logs	TELES STORE		
	Previsioning logs	Sign in charts have moved! The new insights view phase sign in infa along with attr	er useful application data. View insights	
	Access reviews	Delete Application has moved to Properties The can new defer your assistant from the Properties		

2. Next, select **SAML**:

C	Home > ficso	
+ Create a resource	∋ fxsso Single sign-o	n —
n Home	Enterprise Application	
Ceshboard	4	
III All services	Overview	Single sign-on (SIC) adds security and convenience when users sign on to applications in Azure Active Directory by enabling a user in your organization to sign in to every application they use with only one account. Once the user logs into an application, that
 Auronimes 	Deployment Plan	credential is used for all the other applications they need access to Learn more.
All resources	Manage	
(Resource groups	Properties	Select a single sign-on method Hepme decide
App Services	Owners	
🛢 SQL databases	Acles and administrators	
S Azure Cosmos DB	Users and groups	Disabled Single signion is not enabled. The user SAML Rich and secure authentication to Parsword: based Parsw
Virtual machines	Single sign-on	won't be able to launch the app from applications using the SAM, (decurity web browser extension or mobile app. My Apps. Assertion Markup Language) protocol.
Load balancers	Provisioning	
Storage accounts	Application proxy	
Virtual networks	G Self-service	
Azure Active Directory	Custom security attributes	
Monitor	(preview)	Link to an application in My Apps
🗣 Advisor	Security	and/or Office 365 application launcher.
O Microsoft Defender for	Conditional Access	
Cloud	Permissions	
Help + support	Token encryption	
Cost Management + Billing	Activity	
	Sign-in logs	
	🖬 Usage & insights	
	Audit logs	
	Provisioning logs	

3. Under Basic SAML Configuration, click Edit:

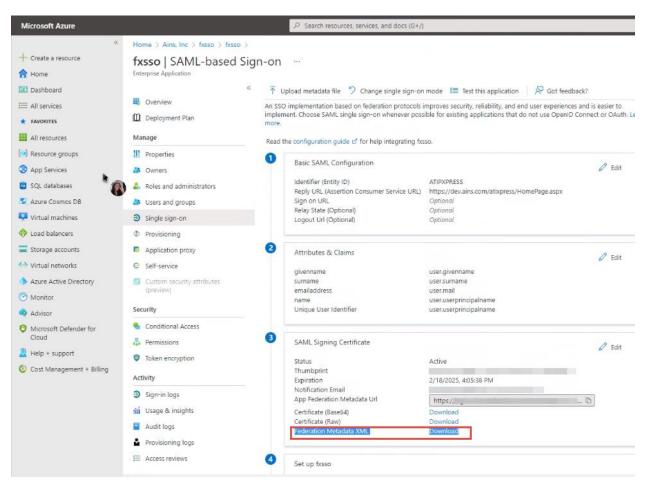
×

Microsoft Azure	-(h)	\mathcal{P} -Search resources, services, and docs (G+/)
 Create a resource Home Dashboard All services KAVORITES All resources Resource groups App Services SQL databases 	 Home > Ains, Inc > fisso > fisso > fxsso SAML-based Sig Enterprise Application Overview Deployment Plan Manage Properties Owners Roles and administrators 	
 Azure Cosmos DB Virtual machines Load balancers Storage accounts Virtual networks Azure Active Directory Monitor Advisor 	alancers Course and groups alancers Provisioning accounts Application proxy networks Self-service Custom security attributes (preview) r Course	Relay State (Optional) Optional Logout Url (Optional) Optional Attributes & Claims

- 4. Next, provide the (A) Identifier (Entity ID) and (B) Reply URL:
 - a. Identifier (Entity ID): Enter the name of your application site, i.e. FOIAXpressTest
 - b. *Reply URL*: Enter the following, using your org's app URL: https://[YOUR APPLICATION URL]/foiaxpress/homepage.aspx

	Home a fixed is		Basic SAML Configuration				
+ Create a resolution	fxsso SAML-based	Sign-on					
ft -com	branpha Application				E tee R dat Sedad?		
Definition All services Monoton	Conview Copyrighter: Han	F uption evention for 12 charge explosion events III that the application 1 A Set up Single Sign-Circuitti SAML		i musia 🗰 test tris againation 🗌 🧍	Identifier (Inity ID) * 0 The default dentifier will be the outline		
al mouth	Matoger	41.11	An TIIO Implementation based on federation protocols improves security, including and end use implement. Oncore SARs, single sign on advances possible for anoling, applications that do not make the configuration guide of the help integrating from			Defailt	
A Amounter process	T Properties	- mplar			A720(4)11	신 표 이	1
App Services	Ja Carren				All detthe		
143. ministeren S. Albert Connol 28	 Action and administrations Courts and groups 	0	tase SAME Configuration		Reply URL (Assertion Consumer Service URL) + ()		
Virtual machines	D Single Agence		standar (brity Ct.	al Instituts Https://doi.artici.com/altigress/milmetha Ontimed Optimed Optimed		Default	
Cast beenes	\$ Produces		Reply URL (Assertion Companier Service URL) Sign on URL		March 10th and concentrations in the series and	E . 0	
Decaje accords	E Application provy		Astay State (Optional) Logist UP (Optional)		add mate Life.	58 · ·	
P Virtual Industrial	© tehevia						
Active Active Directory	Contract particular	Ð	Attributes & Carrie		Sign on URL (Optional) (0		
Mankar			guerrate	sai purata Lia sutata Lia sutata Lia sutata Lia sutata Lia sutata Lia sutata	Enter a supr on UNC		
Advise Mercurit Jahaniar Ser Disal	Security		amahaddinasi mahaddinasi name		Relay State (Optional) ()		
main - inspect	di Persones	100	Unique Une Martifiles		(triter a letter share		
C Coll Management - Milry Active D 3	Totan enclyption Activity	0	SAME Signing Certificate		Lingout LM (Optional) 😄		
	🕲 Sign A legs		Statut Thumpure Septem	Active DEDEVELOPMENT PERSONNAL PROPERTY 2/16/2023 ASSUMPTO	(tree a logical uni		
	📾 Unique & malghts						
	🖬 Aulitings		Notification Isnael Agg Pederation Metadolar UN	sturbentistig analy comprised (on			
	 A subscripting type 	0	Certificate (SavetA)	Impo/Augin.eccoulduratine.com/bet Document			

- 5. Mark both the Identifier and Reply URL as **Default**, then click **Save**.
- 6. Once complete, download the **Federation Metadata XML** and email it to your OPEXUS Project Manager or Implementation Specialist.



11.6 EDR in Azure

11.6.1 EDR File Repository Setup

The file repository required by the EDR module is created on one of the Azure VM instances in the FOIAXpress Azure environment. Follow the steps below to create the repository:

- 1. Create a root-level repository folder in C:\ ("edrrepo"). Add the following subfolders: data, index, reports, and text.
- 2. Share the root folder with the user account created on the FOIAXpress Services server ("FXfilestorage") with Read/Write access and note the UNC path that is designated for the share ("\\MachineName\edrrepo").

← → ∽ ↑ 🚽 → Network → 🔤 → dosedrrepo						
	Name	^ Date modified	Туре	Size		
📌 Quick access 📃 Desktop	data	2/19/2019 6:10				
Downloads	/ index	2/13/2019 2:04 2/19/2019 6:10				
📄 Documents 💽 Pictures	≉ <mark>la</mark> text	2/13/2019 2:04	PM File folder			

11.6.2 EDR File Repository Configuration

The FOIAXpress Database will also store information about the location of the EDR File Repository folders. Once the EDR File Repository folders are created, this information can be updated through the FOIAXpress web application.

- 1. Log in to the FOIAXpress web application using the admin user account.
- 2. Navigate to the *Administration* screen, select the **Electronic Document Review (EDR)** section in the sidebar and open the **EDR Configuration** menu.
- 3. Provide the relevant path information to the *Path* sections:

- a. Data Path Root, Index Path Root, Reports Path and Text Path Root are the UNC location of the corresponding Azure VM shared folders.
- b. *EDR File Download Url* is the URL associated with the EDRFileDownload web service ("http://<EDRServerIP>/EDRFILEDOWNLOAD").

EDR Configuration				
EDR Configuration				
File extensions to exclude from indexing* :	db,mdb,exp,ilk,res,trg,tlh,idb,pdb,pch,opt,lib,cab,mov,psp,bmp,chi,c hm,com,dll,exe,gif,hlp,ivi,ivt,ix,jpeg,jpg,msi,nls,obj,ocx,rmi,tif,tiff,tmp, vbx,wpg			
	(Note: To enter multiple extensions use a comma as a separator with NO SP	ACES between file extensions)		
	\\ <edrrepovm>\dosedrrepo\Data</edrrepovm>			
Data Path Root * :				
	(Format: \\ServerName\FolderName)			
	\\ <edrrepovm>\dosedrrepo\Index</edrrepovm>			
Index Path Root * :				
	(Format: \\ServerName\FolderName)			
	\\ <edrrepovm>\dosedrrepo\Text</edrrepovm>			
Text Path Root * :				
	(Format: \\ServerName\FolderName)			
	\\ <edrrepovm>\dosedrrepo\Reports</edrrepovm>			
Reports Path * :				
	(Format: \\ServerName\FolderName)			
Edr File Download Url * :	http:// <webserviceip>/EDRFILEDOWNLOAD</webserviceip>			