Enter any document confidentiality statement here.



AutoStore OneDrive for Business Configuration Guide

> 12<sup>th</sup> November 2020 Version 2.0 FP4 John Campbell-Higgens



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# Overview

This document provide a quick guide to the configuration method for the OneDrive for Business connector in AutoStore 7 or AutoStore 8



### Configure the AutoStore OneDrive Web Authorization Service.

This service allows a user to give the AutoStore OneDrive application permissions to access their OneDrive for business account. The service provides the users access to a webpage, which goes through authorization process. Users will need access to this webpage on the AutoStore server on their local network only. The AutoStore server will need Internet access to allow the Web Authorization services to connect to OneDrive and obtain the authorization key.

Run the NSI.AutoStore.OneDriveWebAuthConfigurationTool.exe which can be found as shown below in the AutoStore installation directory

	Otare	View	Application Tours	AutoStore					1	×
+ + I	> The	sPC > Loc	al Disk (C:) + Progr	ram Files > Nuance	a AutoStore a			~ 0	Search AutoStore	p
A Quick access		Name Indust	anadalah karan, aga	-	Date modified	Туря Батарина Столод	Sce m) na			~
Desktop	*	NSLA	utoStore OneDriveW utoStore OneDriveW	rebAuthConfigureTool rebAuthorization.dll	21/05/2019 23:27 21/05/2019 23:27	Application Application extens	67.KE 10.KB			
Documents	÷.	NS.A	utoStore.OneDriveW utoStore.RicohSmart	NebAuthService tCapture	21/05/2019 23:30 21/05/2019 19:04	Application Compiled HTML	24 KB			
Pictures	1	Chine a	10 N 10 1		10 10 10 10 10 10 10 10 10 10 10 10 10 1		clum			

#### Figure 1 - AutoStore 7 Installation Directory

📙   🛃 📕 🖛			Application Tools	AutoStore				
File Home	Share	View	Manage					
$\leftarrow$ $\rightarrow$ $\checkmark$ $\uparrow$	This	PC > Loc	al Disk (C:) → Prog	ram Files → Nuance → A	utoStore			
		Name		^	Date modif	ied	Туре	Size
📌 Quick access		🗟 NSi.A	utoStore.KonicaCap	ture.WebDav.dll	21/05/2019	22:02	Application extens	27 KB
📃 Desktop	A	🔮 NSi.A	utoStore.KonicaCap	ture	21/05/2019	19:01	XML Document	6 KB
👆 Downloads	A	👔 NSi.A	utoStore.KonicaCap	tureScript	21/05/2019	19:01	Compiled HTML	447 KB
Documents	*	🔳 NSi.A	utoStore.OneDriveW	/ebAuthConfigureTool	21/05/2019	23:27	Application	67 KB
Pictures	*	🗟 NSi.Ai	utoStore.OneDriveW	/ebAuthorization.dll	21/05/2019	23:27	Application extens	18 KB



Run the Configuration tool and you are presented with the following screen:



🔘 Web	Authorizatio	on Server	Configuratio	on —		×
General	Log On					
Web Au	thorization S	erver —				
Port:	3245		]			
🗌 Us	e SSL					
Choos	e Certificate:				~	*
Certific	ate Password	d:				
🗆 Wi	ndows Single	e Sign On				
Web Au Startup	thorization S Type:	ervice —				
Auton	natic				~	*
S	tart	Stop				
		[	Save	Cancel	Help	)

On this screen you can configure the port to be used for connection to the service, you must add an SSL certificate to use HTTPS connection which is required and set the status of the Windows service the tool uses. You should check the setting, save and start the service. The Log On tab allows you to change/amend the account used to run the service, this ideally should be the same account as the AutoStore service.



### Adding the App to OneDrive / Azure

To allow user to scan to their OneDrive accounts in OneDrive for Business the user must authorize the AutoStore App to have access to their OneDrive. This is done via the user allowing access and a token being securely stored on the AutoStore server. This means that the user can change their passwords and the AutoStore server does not need them if they continue approve access.

OneDrive		$\times$
OneDrive settings Pro	xy settings	
Client ID:		_
Client ID:		
Client secret:		
Redirect URI:		
	Add authorization	app
Account		
Active OneDrive ID:		
	Manage Accourt	its
Destination		
OneDrive directory:		
Rename file	~ODR::FileName~_~ODR::Counter~~ODF	R::Fi
Override existing	file	
Create link:	NO V Separator: New line	$\sim$
Scope:	Specific Emails 🗸 Type: View	$\sim$
		~
Share with:		~
Timeout:	100	
	OK Cancel He	lp

From the OneDrive route component configuration click on the "Add authorization app" this will open a web browser and link to the Microsoft Developer authorisation portal.

The user creating the AutoStore workflow will be asked to login to the OneDrive for Business as shown below:



()	nth 🔎 + 📾 🖒 🎦 Sign in to your Microsoft ac ×	× 0 \$\$ 0 \$
This site uses cookies for analytic	s, personalized content and ads. By continuing to browse this site, you agree to this use.	Learn more
ტ		
	Application Registration Portal	
	Microsoft Sign in Email, phone, or Skype No account? Create one! Sign-in options	
		Tauro of one - Rivaro Republic

Once the user has logged in, you will be presented with the Application Registration Portal. Currently the connector takes you to the older registration portal. This can be used if required, but it being deprecated by Microsoft soon.

P -th angle property		antine ( One instantion ) as ( 🛆 smaller )	 4.8	 
	Microsoft	Approximation Particle Same Dans Technik		
		Application registrations proof is on larger weldate to separe and manage consequel applications. We reconversell the year manage over satisfy applications and register over applications by oring the Approximations prove Generally Acadities experiments in the dates parts. Second and in the larger experiments of 10 <sup>1</sup> taken that new type explorations whenever in the more parts. (2 <sup>1</sup>		
		My applications		
	9			

#### # P = E = 👙 🗣 💽 🗿 💥 = 😤 Q, 👔

Click on the *"Launch the new App registrations experience in the Azure portal"* link on the above web page

~ U 14 miles 1



Click on the Add Authorization App and click on the Azure Portal option provide by Microsoft on the page. This should take you via login screens to the Azure Portal as shown below:

Microsoft Azure       Image: Starth neurosc; service; and dec: (0+/)       Image: Project acids         Home > App registrations         Microsoft Azure         Home > App registrations         Home > App registrations         Microsoft         All services:         All applications         Owned applications         P Start (pring a name or Applications         P Start (pring a name or Applications         P Start (pring a name or Applications         Microsoft Azure         Microsoft Azure         Microsoft Azure         P Start (pring a name or Applications         P Advicatinetwork:	а x @\$@@
Home * App registrations   + Create a resource   + Home *   Exabloard   All services:   • Keversis   * Keversis   * All services:   • Keversis   * All applications (Legacy)? Go back and ball us why   * All applications   * Looking to learn how it's changed from App registrations (Legacy)? Learn more   * Still want to use App registrations (Legacy)? Go back and ball us why   * All applications   © App Services:   © Virtual mechanes   © Astare Cosmos DB:   Virtual networks:   > Azure Active Directory   Wirtual networks:   > Azure Active Directory   Monitor*   * Astare Active Directory   * Monitor*   * Storager   * Monor	igens@ 😪
Create a resource Forme Forme Cost be arresource Forme Cost be arresource App registrations Cost be arresource All services Forme to the new and improved App registrations (new Generally Available). See what's new ** Cost be arresource Monetores Cost be arresource of the arresource o	
<ul> <li>Home</li> <li>Home</li> <li>Cashboard</li> <li>Cashboard</li> <li>All services</li> <li>Kevensis</li> <li>All resources</li> <li>All septications</li> <li>Council groups</li> <li>All septications</li> <li>Septimation and septimation and setting and the second settin</li></ul>	# ×
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Still want to use App registrations (Legacy)? Go back and tell us why   All applications   All applications   All applications   All applications   In Struct Typing a nome or Applications   Struct Cosmos DB   Virtual mechanes   AutoStore to OneDrive App   AutoStore to OneDrive App   AutoStore to OneDrive App	
All applications   Owned applications   App Sarvices   D Start typing a none or Applications   SQL databases   Attre Cotmot DB   M AddOStoreB   M AddOStoreB <td></td>	
<ul> <li>App Services:         <ul> <li>App Services:</li></ul></li></ul>	
SQL databases       APPLICATION (CUBIT) ID       CREATED ON       CREATED ON         Ature Cosmos DB       M       AudoStorell       1969c545-01c0-4cb9-a9cf-20c77c       9/5/2019       © Current         Virtual mechanes       M       AudoStorell       1969c545-01c0-4cb9-a9cf-20c77c       9/18/2019       © Current         Storager accounts       M       AudoStore to OneDrive App       e9be02a6-667f-4f05-6987-a7f507       9/18/2019       © Current         Virtual networks       Monitor       Monitor       Social       Social       Social       Social       Social         Monitor       Social	×
Ature Cosmos DB     Ature Cosmos DB     AdvoStoreI     AutoStore to OneDrive App     e9be02a6-6571-4t05-6987-a7f507 9/18/2019     Current     f	120002
Virtual machines     AutoStorell     1969c545-01c0-4cb9-a9Cf-20c77c 9/5/2019     Current <ul> <li>Lead balancers</li> <li>Storaget accounts</li> <li>Virtual networks</li> <li>Azure Active Directory</li> <li>Monitor</li> <li>Advisor</li> <li>Storaget accounts</li> </ul>	SECRETS
Load belancers     AutoStore to OneDrive App     e9b002a6-657f-4t05-8987-a7f507 9/18/2019     Current     Storage accounts     Autor Active Directory     Monitor     Advisor     Security Center	
Storage accounts  Virtual networks  Active Directory  Monitor  Advisor  Security Center	
Virtual networks   Azure Active: Directory  Monitor  Advisor  Security Center	
Ature Active Directory     Monitor     Advisor     Security Center	
Monitor Advisor Security Center	
Advisor Security Center	
🛢 Security Center	
O Cost Management + Billing	
2 Help + support	

Click on the **new registration** button.



# **Register an application**

### \* Name

The user-facing display name for this application (this can be changed later).

AutoStore 8.1 FP4
Supported account types
Who can use this application or access this API?
<ul> <li>Accounts in this organizational directory only (Kofax, Inc. only - Single tenant)</li> </ul>
<ul> <li>Accounts in any organizational directory (Any Azure AD directory - Multitenant)</li> </ul>
O Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
O Personal Microsoft accounts only
Help me choose
Redirect URI (optional)
We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.
Web /Localhost:3245/NSI.Autostore.OneDriveWebauthorization/default.asj<
By proceeding, you agree to the Microsoft Platform Policies 🗗
Register

Enter a name for the App that your users will recognize and select the application level of **Multitenant** not including personal accounts

Enter the Redirect URI in the web as HTTPS://[FQDN]:[PORT]/NSi.Autostore.OneDriveWebauthorization/default.aspx

and click Register





This will show the app and allow you to configure the required options as below:



AutoStore 8 Azure - API	permissions A
	API permissions
<ul> <li>Overview</li> <li>Quickstart</li> </ul>	Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs.
lanage	+ Add a permission
Branding	
Authentication	▼ Microsoft Graph (1
Certificates & secrets	User.Read Delegated Sign in and read user
API permissions	These are the permissions that this application requests statically. You may also request user consent-
Expose an API	able permissions dynamically through code. See best practices for requesting permissions
Owners	
Roles and administrators (Previ	Grant consent
Manifest	These permissions have been granted for Kofax, Inc. but aren't in the configured permissions list. If your application requires these permissions, you should consider adding them to the configured permissions list.
pport + Troubleshooting	Grant admin consent for Kofax, Inc.
Troubleshooting	
New support request	
	Ν
	12

Click on the API permissions option and click Add a permission



# Request API permissions

### Select an API

Microsoft APIs APIs my organization uses My APIs

#### Commonly used Microsoft APIs

<b>Microsoft Graph</b> Take advantage of the tremendous amount of Security, and Windows 10. Access Azure AD, OneNote, SharePoint, Planner, and more three	of data in Office 365, Enterprise Mobility + Excel, Intune, Outlook/Exchange, OneDrive, ough a single endpoint.	
Azure Batch Schedule large-scale parallel and HPC applications in the cloud	<b>Azure Data Catalog</b> Programmatic access to Data Catalog resources to register, annotate and search data assets	Azure Data Lake Access to storage and compute for big data analytic scenarios
Azure DevOps Integrate with Azure DevOps and Azure DevOps server	Azure Key Vault Manage your key vaults as well as the keys, secrets, and certificates within your Key Vaults	Azure Rights Management Services Allow validated users to read and write protected content
Azure Service Management Programmatic access to much of the functionality available through the Azure portal	Secure, massively scalable object and data lake storage for unstructured and semi-structured data	Data Export Service for Microsoft Dynamics 365 Export data from Microsoft Dynamics CRM organization to an external destination
• Dynamics 365 Business Central Programmatic access to data and functionality in Dynamics 365 Business Central	<b>Dynamics CRM</b> Access the capabilities of CRM business software and ERP systems	<b>Dynamics ERP</b> Programmatic access to Dynamics ERP data
Flow Service Embed flow templates and manage flows	Programmatic access to Intune data	Office 365 Management APIs Retrieve information about user, admin,

Click on Microsoft Graph

 $\times$ 

## **Request API permissions**

#### All APIs

Microsoft Graph https://graph.microsoft.com/ Docs 🖸

What type of permissions does your application require?

Delegated permissions
Your application needs to access the API as the signed-in user.

Application permissions

Your application runs as a background service or daemon without a signed-in user.

 $\mathbb{P}$ 

Add permissions Discard

Click on **Delegated Permissions** 

All APIs			
Device	ManagementServiceConfig		
Directo	ory		
▶ EAS			
▶ EduAd	ministration		
▶ EduAs	signments		
▶ EduRo	ster		
▶ EWS		ſ	
▶ Family	,		
▼ Files (1	1)		
	Files.Read Read user files 👩		-
	Files.Read.All Read all files that user can access 🕦		-
	Files.Read.Selected Read files that the user selects (preview) 🚯		-
V	Files.ReadWrite Have full access to user files 👔		
	Files.ReadWrite.All Have full access to all files user can access 🚯		-
	Files.ReadWrite.AppFolder Have full access to the application's folder (preview)		-
	Files.ReadWrite.Selected Read and write files that the user selects (preview) ①		-
Financ	ials		
• -			

click on the File.ReadWrite to select this permission and also click on Online\_Access

>

Request API permissions		
( All APIs Microsoft Graph https://graph.microsoft.com/ Docs ☑ What type of permissions does your application require?		
Delegated permissions Your application needs to access the API as the signed-in user.	Application permissions Your application runs as a background service or daemon without a signed-in user.	
Select permissions	expand	
Type to search PERMISSION	ADMIN CONSENT REQUIRED	
email     View users' email address	-	
Maintain access to data you have given it access to <b>0</b>	-	
□ openid Sign users in ●		
□ profile View users' basic profile ●	-	
▶ AccessReview		
AdministrativeUnit     AgreementAcceptance		
Agreement		
▶ Analytics		
AppCatalog     AppRoleAssignment		
Add permissions Discard		

Click Add permissions and review the permissions

-





Click on the Certificates & Secrets



🗟 💡 AutoStore 8 Azure - Certi	ficates & secrets
, Search (Ctrl+/)	Credentials enable applications to identify themselves to the authentication service when receiving tokens at a
👯 Overview	web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.
📣 Quickstart	Certificates
Manage	Certificates can be used as secrets to prove the application's identity when requesting a token. Also can be
5 Branding	referred to as public keys.
Authentication	✓ Upload certificate
📍 Certificates & secrets	No certificates have been added for this application.
API permissions	
Expose an API	THUMBPRINT START DATE EXPIRES
Owners	
Roles and administrators (Previ	Client secrets
11 Manifest	A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.
Support + Troubleshooting	+ New client secret
🗙 Troubleshooting	DESCRIPTION EXPIRES VALUE
New support request	
Click on the <b>New Client Secre</b>	t
Add a client secret	
Description	
AutoStore8	
Expires In 1 year In 2 years Never	
Add Cancel	

Add a Description and click on the expiry required, usually Never.



# Client secrets

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret			
DESCRIPTION	EXPIRES	VALUE	
AutoStore8	12/31/2299	VHnH/jO25z+mS=Q4LWaY0/G*GWlAhtU6 🖺	Ì

This will give you the Password which needs to be copied and stored as this will be entered into the AutoStore OneDrive component.

The application is now configured and can be used in the configuration of the AutoStore OneDrive componen



Copy the details to the AutoStore Co	omponent as shown below:
--------------------------------------	--------------------------

On	eDrive		×	
	One Drive actions D			
	Web authorization ca	bxy settings		
	Client ID:	2=7-921d-==82-4777-9946-7841=5=688f5	1	
	circlic ib.		1	
	Client secret:90rb9BVzL.pX-I-vuuIPIOc5Kx.g1ct			
	Redirect URI: HTTPS://Localhost:3245/NSI.Autostore.OneI			
		Add authorization app	!	
	Account			
	Active OneDrive ID:	john.campbellhiggens@kofax.com		
		Manage Accounts		
	Destination			
	OneDrive directory:	Demo Documents\~ASX::%Vertical%~\		
	🗸 Rename file	~ASX::%DocType%~-~ODR::Counter~~ODR:		
	Override existing	g file		
	Create link:	NO V Separator: New line V		
	Scope:	Specific Emails 🗸 Type: View 🗸		
		~		
	Share with:	~		
	Timeout:	100		
		OK Creat Link		
		UK Cancel Help		

Client ID is the Application ID

Application Id

e9b802a6-867f-4f05-8987-a7f5071d64df

Client Secret is the password that was created for you and displayed once.

Redirect URI is the URL that you entered and should be similar to HTTPS://[FQDN]:[PORT]/NSi.Autostore.OneDriveWebauthorization/default.aspx.



To test you can use the Manage Accounts button to create and account which has approval, the account used to connect at runtime will be the one in the Active OneDrive ID field. This should be an RRT which is replaced with the user id that is doing the scan at the time.



### Manage Accounts via the Route Component Configuration

In the route component, click on the Manage Accounts button

👝 Manage Accounts		Х
Active OneDrive ID:	Ð	
	Authenticate	
	Revoke	
	Select	
	Refresh	
Authorization Cache Location:		
C:\ProgramData\Nuance\Autostore\OneDriveRouteTokens		
OK Cancel	Help	]

This will allow you to authenticate users from the Configuration of the route component. Clicking on Authenticate will take you to the OneDrive Account Authentication page window, allow the user to login and ask them to give permission for the app as shown below:



👝 OneDrive		×
	Microsoft	
	john.campbellhiggens@kofax.com	
	Permissions requested	
	AutoStore 8.1 FP4 unverified	
	This application is not published by Microsoft.	
	This app would like to:	
	Sign you in and read your profile	
	✓ Maintain access to data you have given it access to	
	✓ Have full access to your files	
	Accepting these permissions means that you allow this app to use your data as specified in their Terms of Service and Privacy Statement. <b>The publisher has not provided links to their Terms</b> <b>for you to review.</b> You can change these permissions at https://myapps.microsoft.com. Show details	
	Does this app look suspicious? Report it here	
	Cancel Accept	
100 100	Terms of use Privacy 8	cookies ···

Their token will then be securely stored and they will be added to the List of Users as shown below:



👝 Manage Accounts	×
Active OneDrive ID:	
john.campbellhiggens@kofax.com Authenticate	
Revoke	
Select	
Refresh	]
Authorization Cache Location:	
C:\ProgramData\Nuance\Autostore\OneDriveRouteTokens	
OK Cancel Help	

The alternative is to allow users to authenticate using the Web Authorisation service which we setup earlier in this process.



### User granting permission via the Web Authorisation service

Users should grant permission for the AutoStore App to access their OneDrive for Business prior to any capture takes place.

Users can do this by using there browser to browse to the webpage that you created in the process above. This would normally be:

https://[FQDN]:[PORT]/NSi.Autostore.OneDriveWebauthorization/default.aspx

In our example here the address is

https://W16-AS:3245/NSi.AutoStore.OneDriveWebauthorisation/default.aspx

AUTOSTORE ONEDRIVE AUTHORIZATION
Use this page to allow AutoStore to access your OneDrive.
Below are the steps you should follow:
1. Click on Start Now button to start the process.
2. Complete OneDrive Authorization process.
3. Copy the Authorization Code and paste into Authorization Code textbox.
4. Click on Submit button.
Start Now

User should then click on the **Start Now** button





### User will be asked to login to their OneDrive account as shown below

This can include redirection to the organisations login as shown below:





Once authenticated the user will be asked to allow authorization of the app as below:

![](_page_26_Picture_0.jpeg)

👝 OneDrive		×
	Microsoft	
	john.campbellhiggens@kofax.com	
	Permissions requested	
	AutoStore 8.1 FP4 unverified	
	This application is not published by Microsoft.	
	This app would like to:	
	Sign you in and read your profile	
	✓ Maintain access to data you have given it access to	
	✓ Have full access to your files	
	Accepting these permissions means that you allow this app to use your data as specified in their Terms of Service and Privacy Statement. <b>The publisher has not provided links to their Terms</b> <b>for you to review.</b> You can change these permissions at https://myapps.microsoft.com. Show details	
	Does this app look suspicious? Report it here	
	Cancel Accept	
	Terms of use Privacy & co	okies 😶

## And click on Accept

They should then see the success message

![](_page_27_Picture_0.jpeg)

![](_page_27_Picture_1.jpeg)

The AutoStore administrator can view who has authorized by viewing the OneDrive Route component and selecting Manage Accounts.