

Psiog SharePoint Connector Documentation



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1. Document Info

Software Release:	V3.0
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2. Revision History

S No	Date of Modification	Change Made
1	13 Jan 2022	Document V1
2	12 May 2022	Added validations to file, folder and sub directory
		names to overcome issues faced due to special
		characters in file or folder names.
3	17 th Oct 2022	Added License Allocation
		Added Point 10, 11 under Features
		Added Point 9 under Walkthrough
4	8 th Nov 2022	Updated version compatibility from 7.12 to 7.18
5	16 th Feb 2023	Added enhancements to connector – Dynamic folder
		creation and developer API
6	29 th Dec 2023	Added enhancements to connector – Graph API
		migration (Azure AD App registration and document
		repository configuration) and Freedom UI Compatibility
7	13 th March 2024	UI Changes - Freedom UI

3. Purpose

The document is intended to provide functional and technical information about the plug-in to help Users, SharePoint Admin and Creatio Developers understand the functionalities and configure settings.

4. Plug-in Information

The SharePoint Connector plug-in is designed to facilitate upload, download and deletion of files directly from Creatio UI. The plug-in can be used by organizations which use/ intend to use SharePoint Office 365 as a Document Repository for Creatio.

5. Build Information

S No	Particular	Details	
1	Version	3.2312.27	
2	Creatio Version Compatibility	8.0.0 and up (Classic and Freedom UI)	
3	Creatio Product	Across all products	
4	Database	Postgres, MS SQL	
5	Operating System	Windows 10	



6 Platform		.NET Framework 4.7
7	Dependent Package	ProductCore
8	Environments supported	Cloud & On-premise

6. Features

The SharePoint Connector will enable users to:

- 1. Configure OOTB and Custom sections to integrate with SharePoint.
- 2. Configure directories and sub-directories for each Section
- 3. Create directories to which files uploaded from 'Attachment Detail' (Classic UI) / 'Attachment List' (Freedom UI) in each section must be sent, via Microsoft Graph API
- 4. Upload files to specific folders in SharePoint Document Repository through Creatio via Microsoft Graph API
- 5. Download files from folders from the Document Repository via Microsoft Graph API
- 6. Delete an existing file from a folder in SharePoint via Microsoft Graph API
- 7. View where the attachment is stored currently (SharePoint or Creatio database).
- Retry file upload to SharePoint if previous attempt fails due to unforeseen circumstances. Enable settings "PsgAllowStorageInDB" to store files in Creatio Database to manually retry upload to SharePoint later.

Note: If the setting, "PsgAllowStorageInDB" is not enabled, files will not be stored in Creatio database in case of unforeseen errors (Eg: network errors) which may occur while the file is being uploaded to SharePoint.

- 9. Open files in SharePoint via securely generated links. The files will be visible to all authenticated users of an organization.
- 10. The access rights to files is restricted to OrganizationView mode
- 7. Control Points
 - 1. If a file with same name as an existing file is uploaded to same folder in SharePoint, there will be no over-riding or merging of the files. SharePoint API will reject the upload and an appropriate error message will be displayed to the user. The user is expected to rename the file and upload back through Creatio UI, if such an error is encountered.

۵	NEXT STEPS (0) 🐮 🔤 📕 🖡 🙆	4 0 ^
Enrich dat	A file with same name can possibly exist. Please rename the file you are trying to upload. If error still persists, contact System Administrator	don't have any tasks yet is ⋿ above to add a task
	Files: - Sample image.jpg OK	O TIMELINE HISTORY ATTACHMENTS AND NOTES >
		Version Current Storage
	Sample image.jpg	1 SharePoint
	info.svg	1 SharePoint
		Drag file here
	L	



- 2. Changes made directly in SharePoint like adding/deleting/updating of folders or files will not be reflected in Creatio. All uploads/ deletions are synced with SharePoint only through Creatio UI.
- 3. Owing to email activities which can include attachments, attachments added to activity is restricted to Creatio Database.
- 4. A file name cannot contain special characters other than
 - a. Underscore: _
 - b. Hyphen: -
 - c. Parenthesis: ()
 - d. Exclamatory Mark: !
 - e. Space
- 5. The connector supports file upload to SharePoint from existing Freedom UI sections and new sections created with the default base form page.
- 6. Files added under the custom attachments component of a custom form page in Freedom UI will be restricted to Creatio Database.



8. Configuration

8.1 SharePoint - Graph API access

- 1. The SharePoint plugin uses the https://login.microsoftonline.com hostname to authenticate and subsequently use Graph APIs with bearer tokens to perform Folder Creation, File Upload, Download and Delete operations.
- 2. Follow the steps in 8.2 to generate Client Id, Client Secret, Tenant Id / Realm Id and Site Id. These values must then be configured in Creatio system settings.



8.2 Azure AD App registration and document repository configuration

1 Co to Microsoft Azuro > Ann Degistrations



2. Select + New Registration, give a display name for the application and click Register



3. Once the app is registered, note down the **Client Id and Tenant Id** from the page that appears. Then click on **Add a certificate or secret**

₽ Search	« 📋 Delete 🌐 Endpoints 🐱 Preview features	
Overview	1	
ڬ Quickstart	Essentials	
Integration assistant	Display name Sharepoint Trial	Client credentials Add a certificate or secret
Manage	Application (client) ID	Redirect URIs Add a Redirect URI
Branding & properties	Object ID	Application ID URI
Authentication	<u>elle le 16 la esta tana ette casastar</u>	Add an Application ID URI
Certificates & secrets	Directory (tenant) ID	Managed application in local directory Sharepoint Trial
Token configuration	Supported account types	

4. Under Certificates & secrets, click on + New client secret. Enter a description for the client secret and click Add.

Search	« 🔗 Got feedback?				
Overview Quickstart Integration assistant	 Credentials enable confidential scheme). For a higher level of a 	applications to identify themselv ssurance, we recommend using a	ves to the authentication service a certificate (instead of a client se	when receiving tokens at a web addressable location cret) as a credential.	(using an HTTP
anage	Application registration ce	rtificates, secrets and federated cre	dentials can be found in the tabs be	low.	
Branding & properties					
Authentication	Certificates (0) Client se	crets (0) Federated credent	tials (0)		
Certificates & secrets	A secret string that the applic	ation uses to prove its identity w	hen requesting a token. Also can	be referred to as application password.	
Token configuration			1		
API permissions	+ New client secret				
Expose an API	Description	Expires	Value ①	Secret ID	
App roles	No allocat apprets have been a	nated for this application			

scription	SPTrialSecret	
pires	Recommended: 180 days (6 months)	~



5. Note down the **Value** of the client secret.

(Certificates (0)	Client secrets (1)	Federated credential	5 (0)		
ļ	A secret string that	the application uses to	prove its identity when	n requesting a token. A	lso can be referred to as application password.	
	+ New client see	cret				
	Description		Expires	Value 🛈	Copy to clipboard et ID	
	SPTrialSecret		3/19/2024	COROQ SLOOLS	ອອງ ຊາ. ທາກາອຊາວຊາ 🗈 bc646de7-e0ef-43c0-9c51-658487970 🗈 📋	

6. Go to API Permissions. Click on + Add a permission.

Sharepoint Trial	API permissions 🛷				
₽ Search	« 🕐 Refresh 🛛 🗖 Got feed	lback?			
👯 Overview	A				
 Quickstart Integration assistant 	The "Admin consent requi may not reflect the value i	red" column show n your organizatio	s the default value for an organization. Ho n, or in organizations where this app will b	vever, user consent can be customized per permission, user, or app. This colun used. Learn more	n ×
Manage					
📰 Branding & properties	Configured permissions				
Authentication	Applications are authorized to include all the permissions the	call APIs when th application need	ey are granted permissions by users/ad s. Learn more about permissions and co	nins as part of the consent process. The list of configured permissions sl nsent	nould
📍 Certificates & secrets					
III Token configuration	+ Add a permission V G	irant admin cons	ent for MSFT		
- API permissions	API / Permissions name	Туре	Description	Admin consent req Status	
Expose an API	→ Microsoft Graph (1)				
App roles	User.Read	Delegated	Sign in and read user profile	No	

7. Select Microsoft APIs -> Microsoft Graph

Request API permissions

elect an API		
ficrosoft APIs APIs my organization	uses My APIs	
ommonly used Microsoft APIs		
Microsoft Graph Take advantage of the trem Access Microsoft Entra ID, E through a single endpoint.	endous amount of data in Office 365, Enterpris ixcel, Intune, Outlook/Exchange, OneDrive, One	se Mobility + Security, and Windows 10. eNote, SharePoint, Planner, and more
Azure Rights Management Services	Azure Service Management	Dynamics CRM
Allow validated users to read and write protected content	Programmatic access to much of the functionality available through the Azure portal	Access the capabilities of CRM business software and ERP systems

8. Under Application permissions, select Sites.ReadWrite.All

Dele Your	gated permissions application needs to access the API as the signed-in user.	Application permissions Your application runs as a background service or daemon without signed-in user.	
Select	permissions	expand al	
🔎 site	25.	×	
Pe	ermission	Admin consent required	
∨ si	tes (1)		
	Sites.FullControl.All ① Have full control of all site collections	Yes	
	Sites.Manage.All ① Create, edit, and delete items and lists in all site collectio	Yes	
	Sites.Read.All ① Read items in all site collections	Yes	
~	Sites.ReadWrite.All ③ Read and write items in all site collections	Yes	



9. Select Grant admin consent for <User> and approve it.

The "Admin consent requir organizations where this approximation is approximately	ed" column shows th op will be used. <u>Lear</u>	e default value for an organization. However, user conse <u>n more</u>	ent can be customized per permission,	user, or app. This column may i	not reflect t
Configured permissions					
Applications are authorized to c all the permissions the application	all APIs when they a on needs. Learn mo	are granted permissions by users/admins as part of t re about permissions and consent	the consent process. The list of con	figured permissions should ir	nclude
API / Permissions name	Туре	Description	Admin consent requ	Status	
✓ Microsoft Graph (2)					
Sites.ReadWrite.All	Application	Read and write items in all site collections	Yes	▲ Not granted for MSFT	
User.Read	Delegated	Sign in and read user profile	No		

 Go to your SharePoint domain (https://<tenant-name>.sharepoint.com) and create a new Team Site, providing your own Team Site name. (Skip this step if you have an existing SharePoint site)

		×
Create a team site		
Your team site will be connected to a Microsoft 365 group, which gives your site a shared OneNote notebook, group email address, and team calendar.	Site name *	
Connect your team site to a Microsoft Team to enable persistent chat by selecting Next steps 도 in the suite navigation and then Add real-time chat. Learn more	SPIrial The site name is available.	
	Group email address *	
	SPTrial	0
**	The group alias is available.	
> 🏟	Site address *	
	SPTrial	0
	The site address is available. https://comp.sharepoint.com/sites/SPTrial	
	Next Cancel	

11. Go to https://<tenant-name>.sharepoint.com/sites/<TeamSite>/_api/site/id and note down the **Site Id**

This XML file does not appear to have any style information associated with it. The document tree is shown below.

<d:Id xmlns:d="http://schemas.microsoft.com/ado/2007/08/dataservices" xmlns:m="http://schemas.microsoft.com/ado/2007/08/dataservices/metadata" xmlns:georss="http://www.georss.org/georss" xmlns:gml="http://www.opengis.net/gml" m:type="Edm.Guid">e2fd=101 0.0 0000 E1102 138db3</dild>

8.3 Test SharePoint configuration through Postman (SharePoint Admin)

Once SharePoint credentials are created, the steps below can be followed to verify configuration.

- 1. Download Postman.
- 2. Request 1
 - a. Request URL:

https://login.microsoftonline.com/<TenantId>/oauth2/v2.0/token

- b. Request Body (x-www-form-urlencoded):
 - i. grant_type:client_credentials
 - ii. client_id:<Client Id>
 - iii. scope: https://graph.microsoft.com/.default
 - iv. client_secret: <Client Secret>



- 3. If SharePoint is configured successfully, the above request would return an Access Token.
- 4. **Request 2:** Confirm that you are able to create folders in SharePoint Document Repository.
 - a. Request URL:

https://graph.microsoft.com/v1.0/sites/<SiteId>/drive/root/children

- b. Type: POST
- c. Auth:

Type: Bearer Token Token: <Copy-paste the access_token from Request 1 response>

d. Body Type: RAW JSON

```
e. Body:
    {
        "name": "New Folder",
        "folder": { },
        "@microsoft.graph.conflictBehavior": "fail"
    }
```

5. If your credentials are correct, the above request would return a 201 (Created) response with details of the created folder.

8.4 System Settings

All system settings related to the plugin can be found in the folder "SharePoint settings" folder in System settings section.

S No	Name	Code	Description	
1	SharePoint Domain	PsgSPDomain	 Complete Domain of SharePoint Document Repository Example: <u>https://abc.sharepoint.com</u> 	
2	SharePoint Relative URL	PsgSPRelativeURL	 Relative URL of the Document Repository Example: /sites/SharePointConnectorforCreatio 	
3	SharePoint Root Folder	PsgSPRootFolder	 Root folder inside which Creatio is Authorised to create folders and upload files. Example: /Shared Documents 	
4	SharePoint Client Id	PsgSPClientId	Client Id	
5	SharePoint Client Secret	PsgSPClientSecret	Client Secret	
6	SharePoint Resource Id	PsgSPResourceId	Tenant or Realm Id	
7	SharePoint Site Id	PsgSPSiteId	Site Id	
8	SharePoint Proxy Server	PsgSPProxyServer	Proxy server URL if required for security purposes.	
9	Allow Storage In DB	PsgAllowStorageInDB	Enable this setting if Creatio should store files in Creatio Database in case SharePoint upload fails.	



8.5 Lookup

The following lookup needs to be configured to:

Enable SharePoint for a section.
 Determine the folder/ subfolder to which a file must be uploaded in SharePoint.

Name of lookup: SharePoint Scaffolding Structure Code: PsgSPScaffoldingStructure

Structure:

S No	Column Title	Column Code	Туре	Description
1	Name	Name	String	Name
2	Section	PsgSection	Lookup	Lookup to pick sections to configure SharePoint
3	Sub directory 1	PsgSubDir1	String	First sub folder after root folder
4	Sub directory 2	PsgSubDir2	String	Second sub folder after root folder
5	Sub directory 3	PsgSubDir3	String	Third sub folder after root folder
6	PsgUniqueName	Unique Name - Last Sub Directory	String	List of dynamic sub- folders after 3 rd sub- directory.

Lookups					What can I do for you?	> Creatio
NEW CLOSE	ACTIONS -					VIEW -
SharePoint Scaffo	olding Struct	ure				
🖓 Filters/folders 🕶						
Name	Section	Sub directory 1	Sub directory 2	Sub directory 3	Unique Name - Li	ast Sub Directory
Contacts directory	Contacts	Contacts			Name	
Accounts directory	Accounts	Accounts			Country.Name	

8.5.1 Validations

The SharePoint Scaffolding Structure Lookup has the following validations



1. Each section can have only 1 configuration associated with it.

Lookups NEW CLOSE A SharePoint Scaffold	ctions - ling Structu	ire			What can I do for you?	18.5.1500 /IEW -
중□ Filters/folders ◄						
Name	Section	Sub directory 1	Sub directory 2	Sub directory 3	Unique Name - Last Sub Directory	
Contacts	Contacts C	کر Account				
Contacts directory	Contacts	This section has a	ready been configured Ple.	ase add	Name 🗸 🗐	の量
Accounts directory	Accounts	new section or up	date existing record		Country.Name	
		ОК				

Unique Name – Last Sub Directory column in the Lookup must be valid – The column name is expected to be a column in the table or must be a column in a table linked to the section selected section through a Foreign Key. Multiple column names can be added and must be separated by a '/'

SharePoint Scaffo	olding Structure					VIEW *
Name Se	ection	Sub directory 1	Sub directory 2	Sub directory 3	Unique Name - Last Sub Directory	
Opportunity O)pportunities Q	, Psiog	Opportunity Column by path Opportunity. OK	Somecolumn not found in schema	Owner Name/CreatedOn/Somecolumn	 ✓ 罰 Ѻ ☎
Lookups NEW CLOSE SharePoint Scaffo Differs/folders - Name Se	ACTIONS ~ folding Structure	Sub directory 1	Sub-directory 2	Sub directory 3	Unique Name - Last Sub Directory	VIEW *

- 3. It is also mandatory to fill the Unique Name Last Sub Directory column in the Lookup
- 4. The Sub Directory or folder names must not contain special characters. Allowed special characters are
 - a. Underscore: _
 - b. Hypen: -
 - c. Paranthesis: ()
 - d. Space

If special characters other than the ones mentioned above are configured, the following error will pop up

Lookups					What can I do for you?	Creatio
NEW CLOSE	ACTIONS -					VIEW *
SharePoint Sca	ffo <mark>ld</mark> ing Stru	cture				
Filters/folders -	Section	Sub directory 1	Sub directory 2	Sub directory 3	Unique Name - La	st Sub Directory
Contact	Contacts	Q Not/Allowed	Contact Folder		Name	
		Subdirectories ca is recommended	nnot contain special charac to use "_" instead	ters. It		

If the Unique Name contains special characters (as in name of account or contact having special characters such as * | ? ", / ^ @ \. { } : < >), the code will replace these special characters with underscore.

8.6 License Allocation

The user should check that licenses are added and available in the 'All licenses' block in the License manager.

9. Walk-through

9.1 Classic UI

- Authorization to SharePoint will take place through the Azure AD (AAD) application, using Microsoft's Graph API (https://login.microsoftonline.com/<<your AAD tenant id>>)
- 2. The resulting Bearer Token, upon successful authentication is stored in Redis Cache to reuse it and avoid frequent authorization.
- 3. A section that is configured to integrate with SharePoint will have a button instead of the OOTB button. This former button simply means that files uploaded to that section will be sent to SharePoint.
- 4. All files will have its current storage (Creatio Database or SharePoint) represented on the UI as follows:

lame 🔨	V	ersion	Currer	nt Storage
Sample image.jpg	File is stored in SharePoint $ ightarrow$	1	(\mathbf{J})	SharePoint
JploadToCloud.png	File is stored in Creatio Database $ ightarrow$	1		Creatio Database



5. A file currently stored in Creatio database can also be uploaded into SharePoint by selecting the file and clicking the button *"Upload to Sharepoint"*. This button will be visible only if the section is configured to SharePoint.



- 6. A file deleted in Creatio will also be deleted in SharePoint (if file exists in SharePoint)
- 7. A file uploaded to SharePoint can be downloaded by clicking on the Name of the file.
- 8. Once a file is uploaded to SharePoint, ShareLink API will generate a secure ShareLink to the file. This will allow all authenticated users within your organization to access the file via the ShareLink.
- 9. It is assumed that any access rights to these links will be handled by user who uploads the document.

Supervisor CLOSE ACTIONS - &		What can I do for you? > Creation 7.18.41592 VIEW
Full job title https://www.google.com	< 1PLOYMENT TIMELINE ENGAGEMENT	HISTORY ATTACHMENTS AND NOTES FEED >
Mobile phone	Attachments : 🔚 🏭 🕋	Link 💙
Business phone Email	logo.png 1 SharePoint	https://psiog0.sharepoint.com/:i:/s/Sha rePointConnectorforCreatio/EbCpHf9d u2tFr6OOEce2fFsBuXryXkzD- srWSU_Z4z8C6A
Account	download.jfif 1 SharePoint	https://psiog0.sharepoint.com/i:/s/Sha rePointConnectorforCreatio/Ee8wSRub Y6hlh4FPEFId5UgBnApwwidVVYaLvg18 uGypjw
Uur company Type Our company	Creatio 1 SharePoint demo.jpg	https://psiog0.sharepoint.com/ii/s/Sha rePointConnectorforCreatio/EfsEoF9rz uSEsuifgEF8xYEBguMv7i6Dx7hiC7KhXz F3YA
Owner Supervisor	D	rag file here

9.2 FreedomUI

- Authorization to SharePoint will take place through the Azure AD (AAD) application, using Microsoft's Graph API (https://login.microsoftonline.com/<<your AAD tenant id>>)
- 2. The resulting Bearer Token, upon successful authentication is stored in Redis Cache to reuse it and avoid frequent authorization.
- Form pages of all existing and custom Freedom UI sections (based on the default base page) will have an Upload to SharePoint button to the left of the Upload
 OOTB button. This former button simply means that files uploaded using it will be sent to SharePoint, whereas the latter will be sent to Creatio DB.
- 4. If you click on the Upload to SharePoint button in a section where SharePoint is not configured, you will get the following error message:



¢

← Accom (sam) ♦ Add tag	ple)	Close 🛕 🍰
Accom Accom-W 4:29 AM Sh Supervisor Primary contact Andrew Baker (sample Type	harePoint Folder Structure is not configured for is section. Please configure the SharePoint affolding Structure lookup before attempting to sload to SharePoint.	Attachments <table-cell> 🕹 <table-cell> 🗙 Name + : No data</table-cell></table-cell>
Category	1 Actual 0211 2 Shipping 0211	

5. A file currently stored in Creatio database can also be uploaded into SharePoint by clicking the *"Retry Upload to Sharepoint"* button from the menu near the file name.

Acc	com (sample)			Save Cancel 🛆	8
Add tag				• Feed W Attachm	ients
	Accom (sample) Accom-Westhouse 4:29 AM - United States	ACCOUNT INFO	TIMELINE	Attachments 🕖 🕁 😂	×
		Also known as Accom-West	Business entity Co.	Name + :	
Owner Supervisor		Annual revenue 11 – 15 milli	No. of employees 21-50	: 1 SharePoint Integration Fo	
Primary contact Andrew Baker (sample)		🔼 Addresses 🕂	2 : Q	View	
Type Customer		Address type	e • + i	Copy link Retry upload to SharePoint	
Category		1 Actual	0211	ی Download	
Industry Business services		2 Shipping	0211	💼 Delete	

If SharePoint is not configured for that section, you get the following error message:

Add tag					Feed	Attachment
Accom			IKIT	Attachments 🔗 👌	2	×
4:29 AM •	 SharePoint Folder Structure is not configured for this section. Please configure the SharePoint 		or	Name		+ :
wner Scaffolding Structure lookup before attempting to		to	: 1 SharePoint Integration Fo			
Supervisor	upload to SharePoint.					
Primary contact	OK					
	UK					
Customer			_			
Category		1 Actual	0211			
В		2 Shipping	0211			

6. A file deleted in Creatio will also be deleted in SharePoint (if file exists in SharePoint)



**

7. A file uploaded to SharePoint can be downloaded by clicking on the download button from the menu next to the name of the file.

← Accom (sam	ple)			Save Cancel	Δ.
Add tag				Feed 🛛	Attachmen
Accom (san	Accom (sample) Accom-Westhouse 4:29 AM · United States	ACCOUNT INFO TIMELINE		Attachments 🔗 🕁 ಿ	
Accom-Westho 4:29 AM · Unite		Also known as Accom-West	Business entity Co.	Name	+ :
Owner		Annual revenue	No. of employees	1 SharePoint Integration Fo	
Supervisor		11 – 15 milli	21-50		
Primary contact		🔼 Addresses 🕂	2 : Q	C View	
Andrew Baker (sample)				Copy link	
Type Customer		Address type	^ + :	2 Retry upload to SharePoint	
Category		1 Actual	0211	Download	
В		2 Shipping	0211		
Industry				1 Delete	

8. Once a file is uploaded to SharePoint, ShareLink API will generate a secure ShareLink to the file. This will allow all authenticated users within your organization to access the file via the ShareLink. You can view the file directly on SharePoint or copy the ShareLink to your clipboard by clicking on the **View** and **Copy link** buttons respectively.

 ← Accom (sample) ♦ Add tag 		Save Cancel 🛕 🏠
Accom (sample) Accom-Westhouse 4:29 AM · United States	ACCOUNT INFO TIMELINE Also known as Business entity Accom-West Co.	Attachments 🕖 🕹 🎜 🛛 🗙 X
Owner Supervisor	Annual revenue No. of employees 11 – 15 milli 21-50	: 1 SharePoint Integration Fo
Primary contact Andrew Baker (sample) Type	Addresses + 2 : Q	Copy link
Customer Category B	1 Actual 0211 2 Shipping 0211	 <i>∂</i> Retry upload to SharePoint <i>bownload</i>
Industry Business services		🗂 Delete

In case the file does not exist on SharePoint, the following error pops up:

← Accom (sample)		Save Cancel 🗛 🔒
Add tag		Feed 🛛 🕅 Attachments
Accom (sample)	ACCOUNT INFO TIMELINE	Attachments 🕖 🕁 🎜 🛛 🗙
Accom-W 4:29 AM - File cannot be vi in local storage. Supervisor	Name + : : 1 SharePoint Integration Fo	
Primary contact OK Andrew Baker (sample	Address type 🔺 🕂 🗄	
Customer	1 (Actual) 0211	
В	2 Shipping 0211	



9. It is assumed that any access rights to these links will be handled by user who uploads the document.

10.Developer API

As part of 5th Revision the connector has been upgraded with a Create Folder developer interface. A SharePoint folder will typically be created when a file is added to the Attachment detail of a configured section. In the event that the folders need to be created in advance, the developer interface can be utilized.

Following are the details about the Create Folder interface

Namespace: PsgSharePointDeveloperApiService Class Name: PsgSharePointDeveloperApiService Method Name: CreateSharePointFolderStructure Method Input Parameters:

- 1. EntitySchemaName
 - a. Data Type: String
 - b. Definition: Code value of Entity Schema Name / Section Name
- 2. EntityRecordId
 - a. Data Type: string
 - b. Definition: Section Record Id based on which dynamic folders are created.

Ways to utilize a developer interface

- 1. Via client side
 - a. Call the Developer interface via a Button or an event using Service Helper
- 2. Via Script task (Business Process) or Source Code Schema
 - a. A source code schema or script task in a business process can be used to call the Developer API

11.Note To Existing Users

As part of <u>6th Revision</u> the connector has been upgraded to use the Graph APIs instead of the SharePoint Rest API (Add-in model), which has been deprecated. If you are an existing user of the SharePoint connector from before this upgrade (as of 29th Dec 2023), kindly refer section 8.2 of the document (<u>Azure AD App registration and document repository configuration</u>) to set up the Azure AD App. Use the credentials of this Azure AD application to reconfigure the corresponding <u>system settings</u>.