How To Interface PSD Logistics With Gallagher

Last Updated 20/12/2022

Solution

1) Log into the PSD Logistics Manager.

2) Select "Settings" -> "Access Management Software". This will display the Access Management Software Settings window.

Access Management Software Settings	×
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Access Management Software Software Name No Software Selected	•
	Save Close Help

3) Select Gallagher/Cardax from the Software Name drop down list.

Interfacing with Gallager/Cardax requires the configuration of three main interfaces with two different options.

Option 1: DCOM. You will need to configure these interfaces.

- a) Read Only user for SQL Server
- b) OPC Bridge
- c) FT Import Export Service

Option 2: REST Web Services. This option requires the Gallagher RESTEvents and RESTCardholders licences to be unlocked in Gallagher Command Centre.

- a) Read Only user for SQL Server
- b) REST Events
- c) REST Cardholders

Option 1

Enter the hostname or IP address of the server running the Gallagher services.

Access Management Softwa	are Settings	×
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C Access Management S	oftware	
Software Name	Gallagher\Cardax 🗸	
Main SQL Server	APIs REST Card Access Events Misc	
Gallagher Server Host Name IP Address 	PSD-OFFICE1	
	Save Dose Help	

Create a read only account for SQL Server using Gallagher's ReadOnly.exe tool. Click the "Test" button to ensure a connection can be established.

Access Management Softwa	re Settings	×
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Access Management S	oftware	
Software Name	Gallagher\Cardax 👻	
Main SQL Server	APIs REST Card Access Events Misc	
SQL Server for Gall	agher Database	
Server Name	PSD-OFFICE1\GALLAGHER Default <u>I</u> est	
Login Name	psd123	
Password	жжжж	
Windows Authentication		
Query People At	✓ 12:30 AM	
Query PDFs	\checkmark	
		5
	<u>Save</u> <u>Close</u> <u>Help</u>	

Set the APIs to OPC Bridge and DCOM Import Export.

Access Management So	ftware Settings	×
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Access Managemer	nt Software	
Software Name	Gallagher\Cardax 🗸	
Main SQL Ser	ver APIs DCOM Card Access Events Misc	
Live Events Via		
 OPC Bridge 		
O REST Events V	/eb Service	
Import Data Via		
 DCOM Import E 	xport	
O REST Cardhold	ers Web Service	
	Save Close	Help

Enter a Gallagher super user account in the DCOM settings tab. Leave all other values as their default values.

Access Management Softwa	are Settings				×
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Access Management S	oftware				
Software Name	Gallagher\l	Cardax	•		
Main SQL Server	APIs	DCOM	Card Access Events	Misc	
DCOM XML Import	Settings –]	
Login Name		neila		Recommended	
Password		****			
Num Attempts		10 🌲			
Import Timeout		30 🌲	Minutes		
Max Sync Delay		60 🗘	Minutes		
Session Reset	✓	60 🗘	Minutes		
Session Reset On Fail	✓		Use Priority Queue		
Cardholders Schema (o	n server)	C:\Program F	iles (x86)\Gallagher\Commar	n Default	
Errors Folder		C:\Program F	iles (x86)\PSDLogistics\Serv	/ Default	
			Save	Close Help	

Select how frequently Card Access Events should be queried. Once an Hour is the recommended setting.

Access Management Softw	are Settings	×
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C Access Management S	Software	
Software Name	Gallagher\Cardax 👻	
Main SQL Server	APIs REST Card Access Events Misc	_
Query Card Access Never Once an Hour Once a Day at	s Events	
	Save Close Help	

Set the Photo ID size. This must be set to the image PDF size as specified in Gallagher. To find these settings, run the Gallagher Configuration Client (CCFT.exe), login then select "Configure" -> "Personal Data Fields"

Locate the Photo ID image PDF and double click on it. Select the "Type" tab sheet and the image size is displayed there.

Image - Properties		×
General Type Group Membership Notes	Data type: Default value: Default privilege:	Image Required Field: Unique Values: Unique Values: Edit Sort Order:
	Image Type: Compression: Image Width: Image Height:	JPEG File Interchange Format Profile Image: 100 (2 min to 255 max) 160 (Pixels) 240 (Pixels) Switch Orientation OK Cancel Apply

Enter the Photo ID Dimensions. Leave all other options set to their default, except Gallagher Time Zone, which should be set to Windows Time Zone.

Access Management Sof	tware Settings	×
Access Managemen Software Name Main SQL Serv	t Software Gallagher\Cardax ver APIs REST Card Access Events Misc	
Photo ID Dimensions Gallagher Time 2 Set Time Zone O Windows Time 2	240 ♀ H 160 ♀ W Zone	
Max Individual Querie Current Location Quer Query Current Locatio Web Service Retries Site Code Errors E-mail Group	s 1000 \$ y Days 3 \$ ns 0 \$ Minutes 10 \$ MEEH None	
	Save Close Help	

Select "Save" and "Close".

The PSD Logistics server will automatically use the new access management software settings. You do not need to restart any services.

Option 2

Enter the hostname or IP address of the server running the Gallagher services.

Access Management Softwa	re Settings	×
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CAccess Management S	oftware	
Software Name	Gallagher\Cardax 🗸	
Main SQL Server	APIs REST Card Access Events Misc	_
Gallagher Server Host Name IP Address	PSD-OFFICE1	
	Save Close Help	

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Access Management Software Settings		
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C Access Management Sc	ftware	
Software Name	Gallagher\Cardax 👻	
Main SQL Server	APIs REST Card Access Events Misc	_
SQL Server for Gall	ngher Database	
Server Name	PSD-OFFICE1\GALLAGHER Default Iest	
Login Name	psd123	
Password	MXXXXX	
Windows Authentication		
Query People At	✓ 12:30 AM ▼	
Query PDFs		
		=
	<u>Save</u> <u>Close</u> <u>H</u> elp	

Run the Gallagher Configuration Client (CCFT.exe), login then select "Configure" -> "Services and Workstations"

Services and Workstations \times _ Name Description Туре Created Last ... Last Modified By FT Bootstrap Protocol Service on PSD-OFFICE1 Service 5/07/... 5/07/... System Operator FT Bootstrap Protocol Service on PSD-OFFICE2 29/09... 29/09... System Operator Service FT Controller Service Service 14/03... 5/07/... System Operator 1/04/... 1/04/... System Operator 5/07/... 5/07/... System Operator FT Import - Export Service on PSD-NEILAPC2 Service FT Import - Export Service on PSD-OFFICE1 Service FT Import - Export Service on PSD-OFFICE2 29/09... 29/09... System Operator Service FT Workstation on PSD-OFFICE1 Workstation 5/07/... 5/07/... System Operator FT Workstation on PSD-OFFICE2 29/09... 29/09... System Operator Workstation Mobile Device 1 Mobile Device 22/10... 12/02... Anderson, Neil PSD-NEILAPC4 REST Client - Cardholder REST Client 19/05... 19/05... Anderson, Neil PSD-NEILAPC4 REST Client - Events REST Client 19/05... 19/05... Anderson, Neil REST Client REST Client REST Client REST Client PSD-OFFICE1 R... REST Client 1/12/... 10/05... Anderson, Neil 26/06... 10/05... Anderson, Neil PSD-OFFICE1 REST Client - Cardholder PSD-OFFICE1 REST Client - Events 10/05... 10/05... Anderson, Neil 10/05... 10/05... Anderson, Neil ← PSD-OFFICE2 REST Client - Cardholder -> PSD-OFFICE2 REST Client - Events New... **Workstation** Delete Command Centre Cloud Refresh List (-) REST Client Сору

Right click in the "Services and Workstations" box and select "New" -> "REST Client"

Create two REST Clients, one for Cardholders, and the other for Events.

PSD-OFFICE1 REST C	ient - Cardholde	r - Properties X
General Event Response	{··}	Item Type: REST Client
Alarm Instructions	Name:	PSD-OFFICE1 REST Client - Cardholder
Connections	Description:	
Icons Notes	Division:	Root Division ~
	Created: Last Modified:	1/12/2020 1:00:54 PM 10/05/2021 8:30:34 AM
	Modified by:	🔝 Anderson, Neil 🗸 🗸
		OK Cancel Apply

PSD-OFFICE1 REST C	lient - Cardholder - Properties	×
General Event Response Alarm Instructions API Key	API Key: D84D-F252-000A-6083-AB8A-AC0E-D301-8A12 REST Client Operator:	
Connections Icons Notes	Name Image: Im	ng that

Click OK, then select the "API Key" tab sheet.

Go back into PSD Logistics, and enter the two REST API keys.

Access Management Softwa	are Settings	×
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C Access Management S	oftware	
Software Name	Gallagher\Cardax 🔹	
Main SQL Server	APIs REST Card Access Events Misc	
Cive Events Via		
OPC Bridge		
REST Events Web	Service API Key 3C32-BCA2-0800-9F73-B92F-1D6F-A002-9E3D	
Import Data Via		
O DCOM Import Export	t	
 REST Cardholders \ 	Web Service API Key D84D-F252-000A-6083-AB8A-AC0E-D301-8A12	
	Save Close He	lp

Enter the REST API Port number. 8904 is the default.

Access Management Softv	vare Settings	×
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C Access Management	Software	
Software Name	Gallagher\Cardax -	
Main SQL Serve	r APIs REST Card Access Events Misc	- 1
REST Web Servic	es Settings	
Port	B304 Uerault	
Export HITP Data		
	Save Close Help	

Select how frequently Card Access Events should be queried. Once an Hour is the recommended setting.

Access Management Software Settings	×
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Access Management Software	
Software Name Gallagher\Cardax	
Main SQL Server APIs REST Card Access Events Misc	
Query Card Access Events	
O Never	
Once an Hour	
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<u>Save</u>	

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Locate the Photo ID image PDF and double click on it. Select the "Type" tab sheet and the image size is displayed there.

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General Type Group Membership Notes	Data type: Default value: Default privilege:	Image Required Field: Unique Values: Edit
	Image Type: Compression: Image Width: Image Height:	JPEG File Interchange Format Profile Image: 100 + (2 min to 255 max) 160 + (Pixels) 240 + (Pixels) Switch Orientation
		OK Cancel Apply

Enter the Photo ID Dimensions. Leave all other options set to their default, except Gallagher Time Zone, which should be set to Windows Time Zone.

Access Management Software Settings	×
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Access Management Software Software Name Gallagher\Cardax Main SQL Server APIs REST Card Access Events Misc Photo ID Dimensions 240 ♀ H 160 ♀ W Gallagher Time Zone Gallagher Time Zone Gallagher Time Zone Gallagher Time Zone	
Set Time Zone Windows Time Zone	
Max Individual Queries 1000 \$ Current Location Query Days 3 \$ Query Current Locations 0 \$ Web Service Retries 10 \$ Site Code MEEH	
Errors E-mail Group None	

Select "Save" and "Close".