

HFS - API CONNECTOR FOR BC API CONNECTOR SETUP

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VERSION 1.0

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REVISION LOG										
VERSION	DATE	AUTHOR	CHANGE REFERENCE							
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The Harvest - API Connector is an add-on to Business Central allowing for easy configuration and setup of API's connecting you to your data. The key features that will be explained in this document are:

- 1. Adding a new Table to the API list
- 2. Selecting the fields to be included in API by Table
- 3. Setting up a filter to limit the data available to the API
- 4. Connecting an Excel sheet to the API

SETUP

- 1. Install the HFS API-Connector Application
- 2. Add the permission set HFSAPIGATEWAY to Users

INSTRUCTIONS – ADDING A PAGE TO GATEWAY TABLES

ADDING A PAGE

- Select Gateway Tables
 - Search for Gateway Tables

```
Go to Pages and Tasks
```

Gateway Tables

Lists

Select +New on the Gateway Tables page

\leftarrow	Gateway	Tables	5		_							ď	2
	Ø	Q	C	+ New	🐯 Edit List	🗓 Delete	🖉 Edit	⊙ View	↑ Open		ß	7	=
	0		ŗ	PKey↑	TableNo	TableName			TableFitler		APIL	.ink	
						(There is nothi	ng to show	in this view)					

- Choose the TableNo
 - \circ $\;$ Enter the ID of the Table being added $\;$

Actions \lor	Automate 🗸	~			
General					
TableNo · · · ·	[0 ~	Include /
TableName	[APILink

\circ Or select from the drop-down list

	0 🗸	Include All Fields
	ID ↑	Name
\rightarrow	<u>3</u>	Payment Terms
	4	Currency
	5	Finance Charge Terms
-	6	Customer Price Group
	7	Standard Text
	•	. Show details Select from full list

• Or select from the full list (search can be used in this option)

Select	P ∨ Search			
	[J		
		ID '	1	Name
\rightarrow			<u>3</u>	Payment Terms
			4	Currency
			5	Finance Charge Terms
			6	Customer Price Group
			7	Standard Text
			8	Language
			٩	Country/Region
		<u> </u>		Show details Select from full list

CHOOSE THE FIELDS FOR API

0

- Choose the fields to be included in the API
 - o Select "include All Fields if all available fields are desired



- o Save the API Link in a Notepad for input in the Excel Connection
- If only some fields are to be included:
 - Enter the FieldNo for each field

Gate	GatewayField ⅔ [™] New Line ⅔× Delete Line						
	FieldNo	FieldName	Field Filter	Filter Only			
\rightarrow	0						

 Or select the ellipse button to choose from a list of fields (search is available in this option)

HFSFieldList P v + New Search	Edit List			2
	No. ↑		FieldName	
\rightarrow	1	1	No.	
	2		No. 2	
	3		Description	
	4		Search Description	
	5		Description 2	
	6		Assembly BOM	
	• •	۹ Co Sho	ow details Select from full list	,, C

- Or after selecting "include All Fields," unselect this option and delete the fields to not be included
- Repeat until all desired fields are added

ADD A FILTER

• A filter can be added to limit the results

	0	Choose	the	field	to	be	filter	e
--	---	--------	-----	-------	----	----	--------	---

atewayField 🦻 New Line 📴 Delete Line					
	FieldNo	FieldName	Field Filter	Filter Only	
→	1 …	No.			
		3	Description		
		4	Search Description		
		5	Description 2		
		6	Assembly BOM		

• Add the filter

Field Filter
101105

• Choose if the field should be included in the data or if it will only be used for filtering purposes. If checked, it will only filter and not be part of the data



CONNECT EXCEL

- Connect Excel
 - Open a new worksheet in Excel
 - Go to the Data Tab and select "Get Data"

File	Home	Insert	Draw	Page Layo	out Fo	ormulas	Data		
Get Data ~	From Text/CSV	From Web	From Table/ Range	From Picture ~	Recent Sources	Exist Connec	ing		
Get & Transform Data									

Select "From OData Feed"



• Copy the APILink from the BC GatewayTableCard



\circ $\,$ Paste the value in the OData URL and press OK $\,$

OData feed	
Basic ○ Advanced	
URL	
CB57FE63-D5FA-EB11-A1DE-0022484C174B)/hfsapicalls?\$filter=TableName eq 'ltem'	
	OK Cancel

- Note: It may require you to enter your M365 credentials if Excel is not already connected
- Select Transform Data

Load 🔻	Transform Data	Cancel

• Right click on the tableRecs column and select Remove Other Columns



• Under the Transform tab, select Parse and JSON

Iransform Ad	ld Column View	
Transpose	Data Type: Text 🔹 1 1 2 Replace Values 👻 Unpivot Colum	nns • Merge Columns
Carl Reverse Rows	📅 Detect Data Type 😈 Fill 👻 👪 Move 🕶	ABC 123 Extract •
$\frac{W}{2}$ 2 Count Rows	🛒 Rename 🛛 🖳 Pivot Column 🗍 Convert to List	Split Format Column ▼
ble	Any Column	XML
< × ✓ fx =	Table.SelectColumns(Source,{"tableRecs"})	JSON
₩, ^{A8} c tableRecs	-	
1 [{"No.":"F10001"},{"	No.":"F10002"},{"No.":"F10003"},{"No.":"F10004"}	

o Click on the drop-down by tableRecs and select Expand to New Rows

>	<	✓ fx	= Ta	ble.Trans	formColumns(#"Remove	d Other (Columns",
⊞.	ABC 123	tableRecs				419	
1	List				Expand to New Row	/s	
					Extract Values		
<	×	< ✓	ſx	= Table	.ExpandListColumn(#"Parsed	i JSON",
		ABC 123 table	Recs				4 <u>1</u> 4
	1	Record					
	2	Record					
	3	Record					
	4	Record					
	5	Record					
	6	Record					

 \circ Click on the drop down by tableRecs again and select OK



• Close the Query box



• Select Keep to "Do you want to keep your changes?"

				\times
Power Query Editor				
Do you want to keep your change	es?			
	Кеер	Discard	Cancel]
				1

 \circ $\;$ There may be a wait for the table to load depending on the amount of data