



## 1 SETUP

You need to setup a few things before you can start using the extension:

- 1) Install the extension (Find Soak connect in app source)
- 2) Setup one or more blob storage / Azure Data Lake Gen 2
- 3) Create Schedules
- 4) Create Destinations

When that is done, then you are ready to export data.

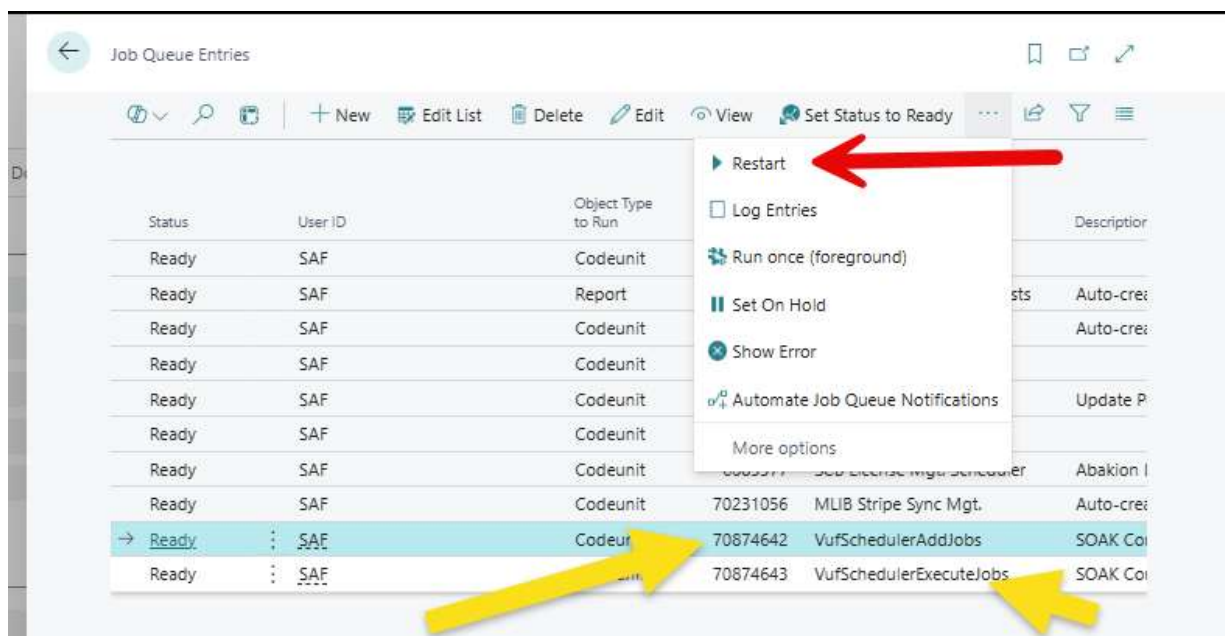
**USERS THAT ARE GOING TO WORK WITH THIS EXTENSION, MUST HAVE THE SOAK CONNECT PERMISSION SET.**

### 1.1 Install extension

Log into App Source from Business Central and find SOAK CONNECT.

Install the app.

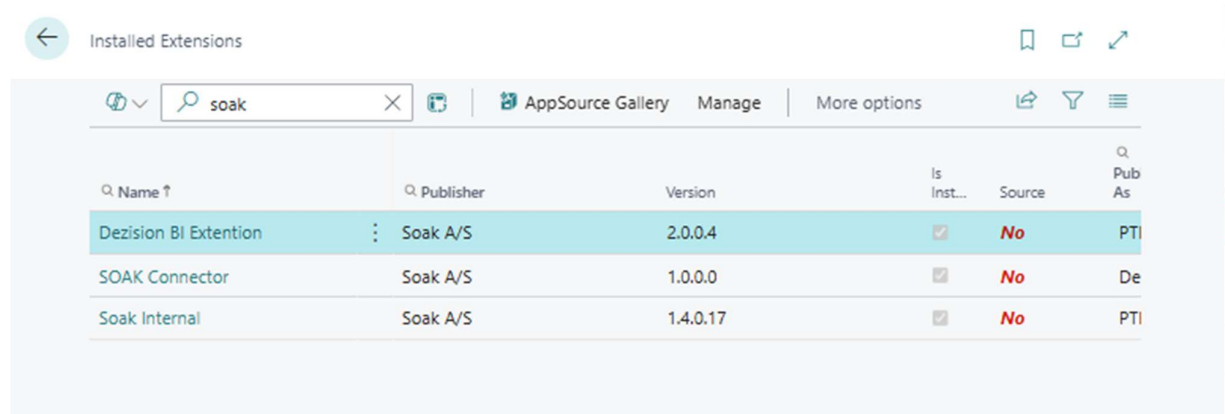
When the app is installed, then make sure you have two Queues in Job Queue entries (standard BC functionality), and then for each of them run them one time:



Status	User ID	Object Type to Run	Description
Ready	SAF	Codeunit	
Ready	SAF	Report	
Ready	SAF	Codeunit	
Ready	SAF	Codeunit	
Ready	SAF	Codeunit	
Ready	SAF	Codeunit	
Ready	SAF	Codeunit	
Ready	SAF	Codeunit	70231056 MUB Stripe Sync Mgt. Auto-cre
Ready	SAF	Codeunit	70874642 VufSchedulerAddJobs SOAK Co
Ready	SAF	Codeunit	70874643 VufSchedulerExecuteJobs SOAK Co

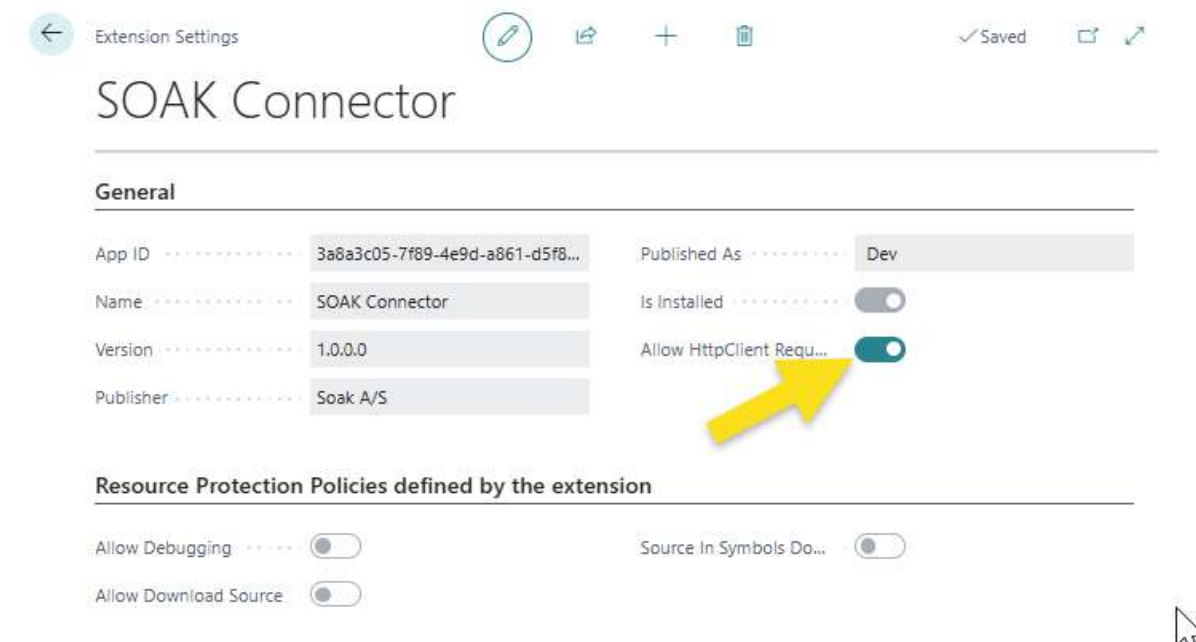
Also remember to allow the Extension to make External HTTPS Request.

Search for Extension Management, and in the list find SOAK CONNECT:



Name ↑	Publisher	Version	Is Inst...	Source	Pub As
Dezision BI Extension	Soak A/S	2.0.0.4	<input checked="" type="checkbox"/>	No	PTI
SOAK Connector	Soak A/S	1.0.0.0	<input checked="" type="checkbox"/>	No	De
Soak Internal	Soak A/S	1.4.0.17	<input checked="" type="checkbox"/>	No	PTI

Click on Soak connect:



Extension Settings

## SOAK Connector

✓ Saved

### General

App ID	3a8a3c05-7f89-4e9d-a861-d5f8...	Published As	Dev
Name	SOAK Connector	Is Installed	<input type="checkbox"/>
Version	1.0.0.0	Allow HttpClient Requ...	<input checked="" type="checkbox"/>
Publisher	Soak A/S		

### Resource Protection Policies defined by the extension

Allow Debugging	<input type="checkbox"/>	Source In Symbols Do...	<input type="checkbox"/>
Allow Download Source	<input type="checkbox"/>		

Set Allow HTTPClient to true.

## 1.2 Setup a blob storage / Azure Data Lake Gen 2

You need to setup a storage account in Microsoft Azure. That is not described here, but feel free to contact us at [info@soak.dk](mailto:info@soak.dk), then we can assist you with this (Normal consultancy rate will apply).

**IMPORTANT!! CREATE A NEW STORAGE ACCOUNT THAT ARE ONLY USED FOR THIS.** This is for security reasons.

In the created storage account, setup a container, and you now need the following information

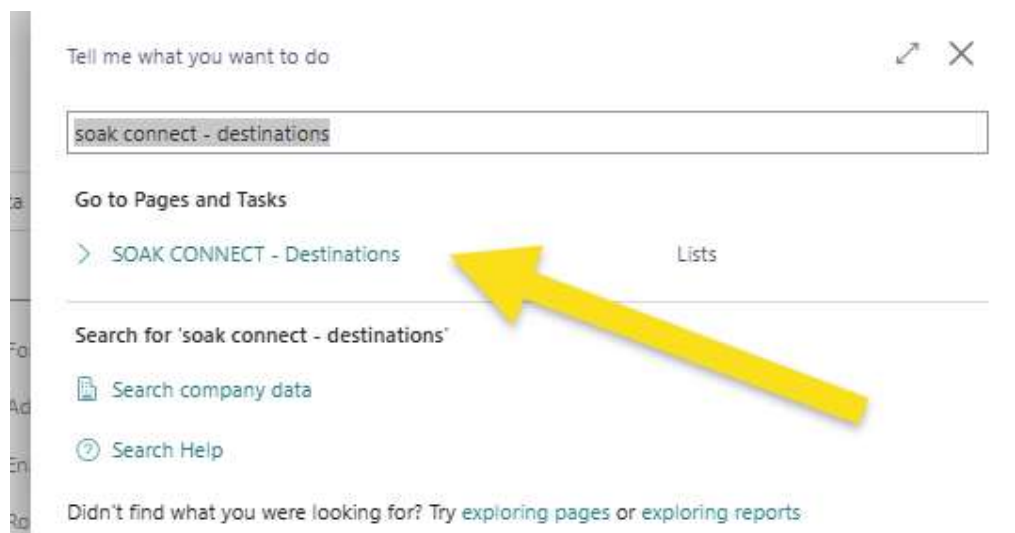
- 1) Storage Account Name
- 2) Container
- 3) Shared Access Signature with as few permissions as possible.

## 1.3 Setup Destinations

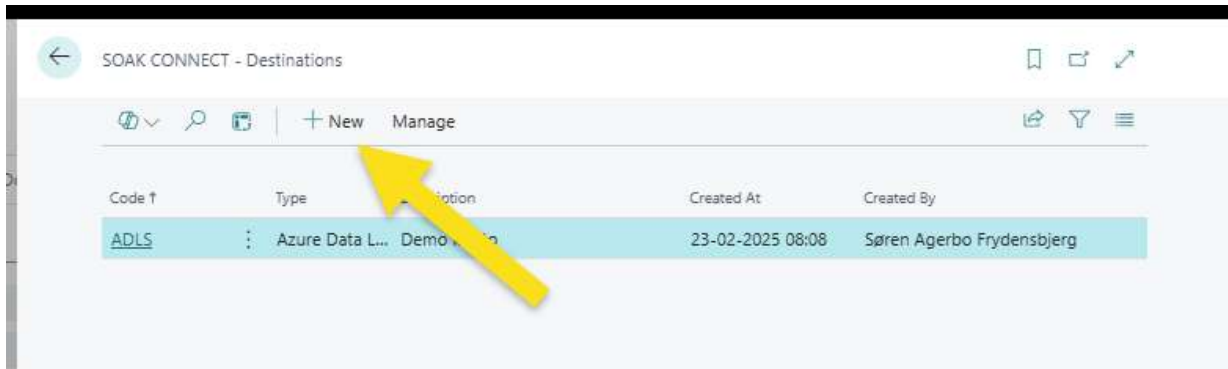
When the storage account is created, then you are ready to setup Destinations in business central.

You can setup as many destinations as possible.

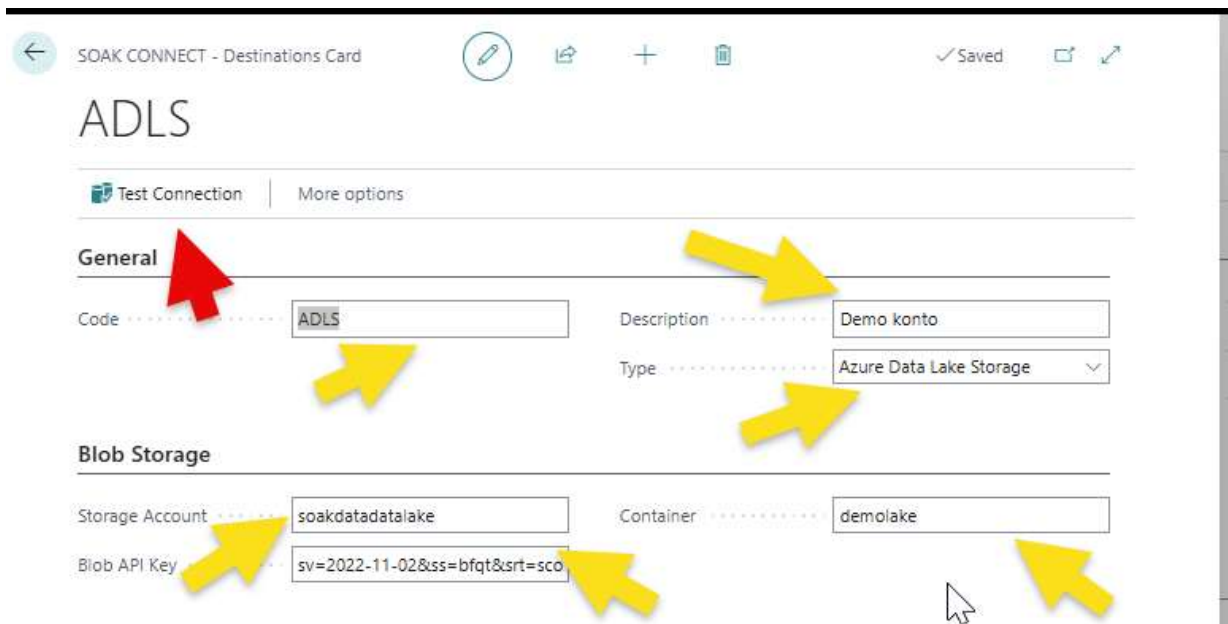
Search for SOAK SONNECT – DESTINATIONS:



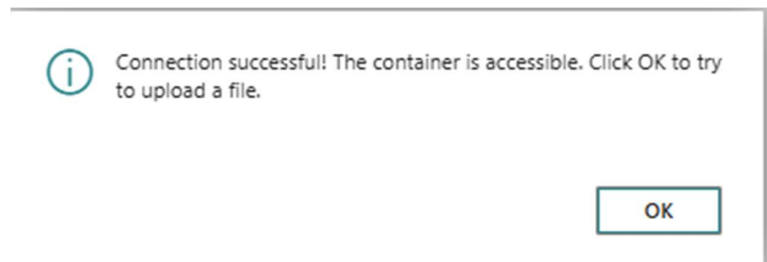
The following window will open, and then you click new:



This will open a new dialog where you can enter data:



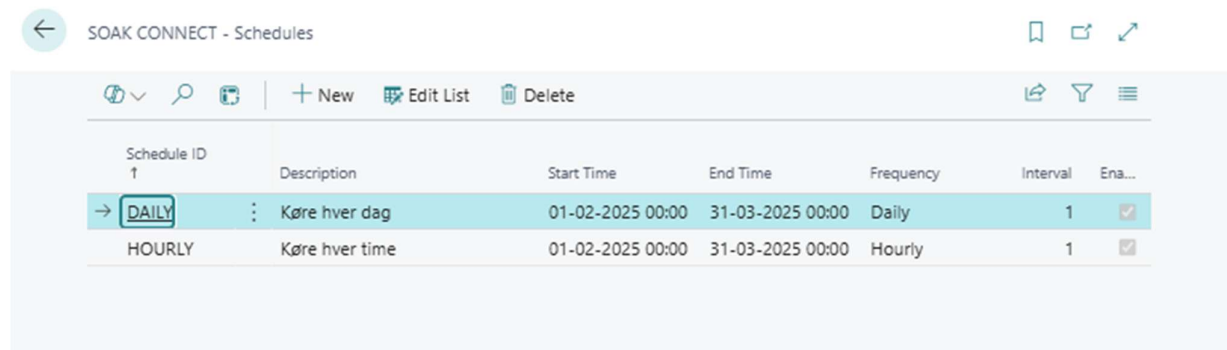
Fill in information at the yellow arrows, and then click Test Connection. If everything is ok, then the test will be performed ok, and then you can look into the container where you can find a testfile.



PLEASE NOTE!!!! In this version the shared access signature is visible in the userinterface, but it is encrypted in the database. Make sure you have set the right permissions in your Business Central.

## 1.4 Setup Schedules

You also need to setup scheduling, so search for SOAK CONNECT – Schedules, and the following window opens:



The screenshot shows the "SOAK CONNECT - Schedules" window. It has a header bar with a back arrow, the title "SOAK CONNECT - Schedules", and icons for bookmark, copy, and share. Below the header is a toolbar with icons for view, search, and a menu, followed by buttons for "+ New", "Edit List", and "Delete". On the right side of the toolbar are icons for share, filter, and list view. The main area contains a table with the following data:

Schedule ID	Description	Start Time	End Time	Frequency	Interval	Ena...
1						
→ DAILY	Køre hver dag	01-02-2025 00:00	31-03-2025 00:00	Daily	1	<input checked="" type="checkbox"/>
HOURLY	Køre hver time	01-02-2025 00:00	31-03-2025 00:00	Hourly	1	<input checked="" type="checkbox"/>

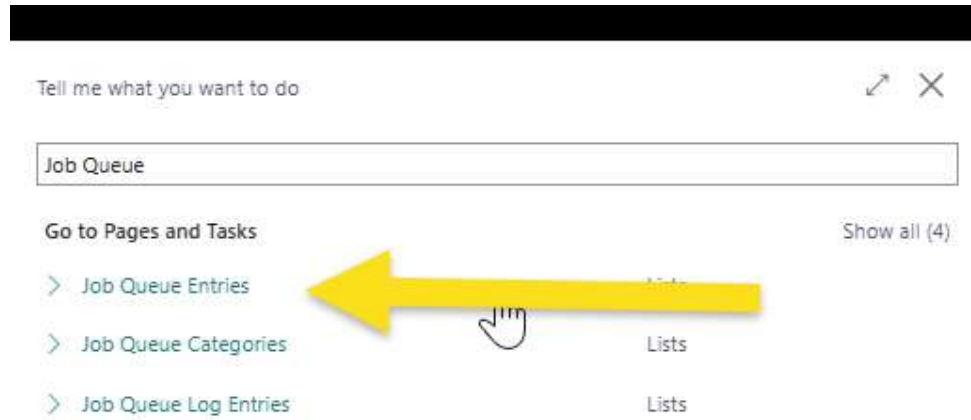
Click New or edit list, to add new records.

Allowed intervals are Hourly, Daily, Weekly, Monthly. And interval is a number you decide.

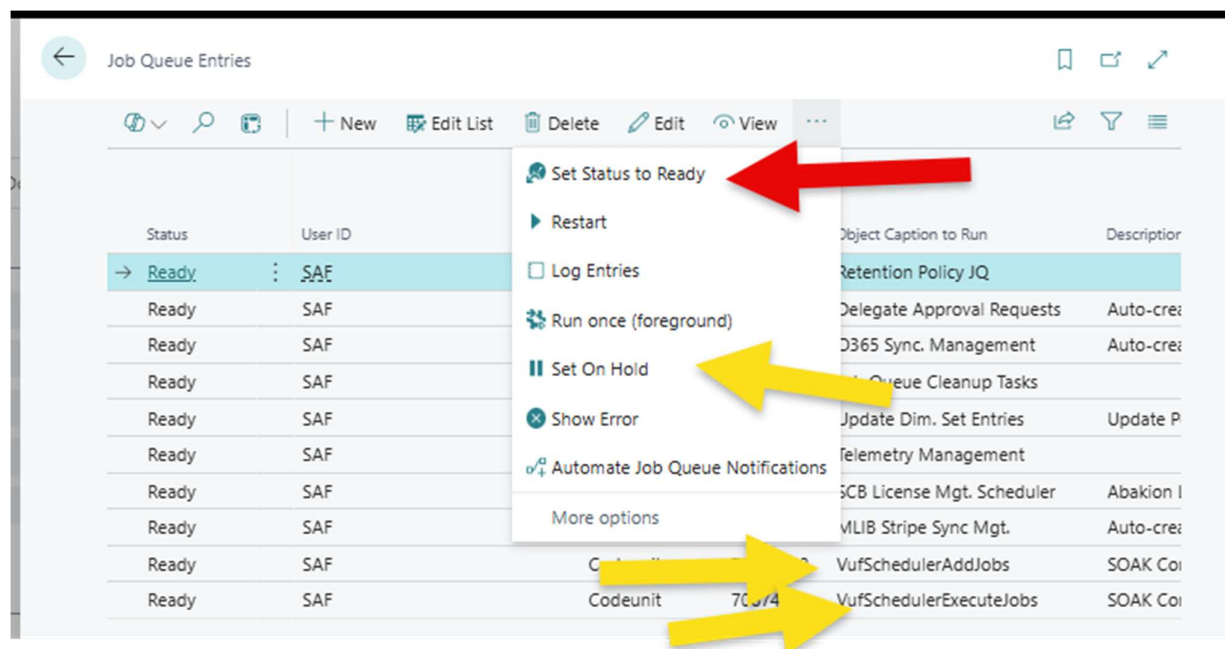
If you e.g. choose Hourly and interval 4, then the table es exported every 4th hour.

## 2 Extract data

Before starting, then find the two Job Queues



Find the two job queues that runs code in codeunits that starts with VUF:



Set them on hold.

When Finished working with the tables to export, then Set status to red (the Red arrow).

## 2.1 The basics

Search for SOAK CONNECT – Tables to export

Tell me what you want to do




Soak connect - Tables

Go to Pages and Tasks

> SOAK CONNECT - Tables to Export

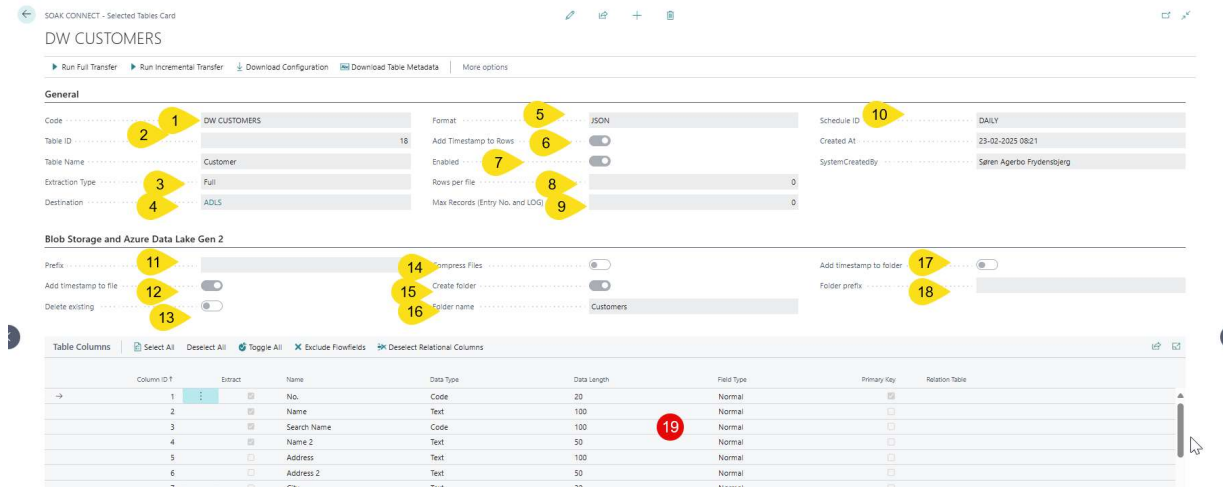
Lists

Click and you get the list of tables setup for export.

← SOAK CONNECT - Tables to Export 

Code 1	Table ID	Table Name	Destination	Ena...	Created At	SystemCreatedBy
DEMOQUEUE	4	Currency	ADLS	<input checked="" type="checkbox"/>	23-02-2025 09:06	Søren Agerbo Fr
DW CUSTOM...	18	Customer	ADLS	<input checked="" type="checkbox"/>	23-02-2025 08:21	Søren Agerbo Fr
DW GLENTY	17	G/L Entry	ADLS	<input checked="" type="checkbox"/>	23-02-2025 08:38	Søren Agerbo Fr
INVLINES	113	Sales Invoice Line	ADLS	<input checked="" type="checkbox"/>	23-02-2025 08:36	Søren Agerbo Fr
SALESHEADER	112	Sales Invoice Header	ADLS	<input checked="" type="checkbox"/>	23-02-2025 08:43	Søren Agerbo Fr
TEST	3	Payment Terms	ADLS	<input checked="" type="checkbox"/>	23-02-2025 09:02	Søren Agerbo Fr
TESTSCHEDU...	4	Currency	ADLS	<input type="checkbox"/>	23-02-2025 09:09	Søren Agerbo Fr
VENDOR	23	Vendor	ADLS	<input checked="" type="checkbox"/>	23-02-2025 08:27	Søren Agerbo Fr

Now you can choose new or edit, no matter what, then you get to the window shown below:



**General**

Code: DW CUSTOMERS (1) | Format: JSON (5) | Schedule ID: DAILY (10)  
 Table ID: 18 (2) | Add Timestamp to Rows: (6) | Created At: 23-02-2025 08:21  
 Table Name: Customer | Enabled: (7) | SystemCreatedBy: Søren Agerbo Frydensbjerg  
 Extraction Type: Full (3) | Rows per file: 0 (8) | Max Records (Entry No. and LOG): 0 (9)  
 Destination: ADLS (4) |

**Blob Storage and Azure Data Lake Gen 2**

Prefix: (11) | Compress Files: (14) | Add timestamp to folder: (17)  
 Add timestamp to file: (12) | Create folder: (15) | Folder prefix: (18)  
 Delete existing: (13) | Folder name: Customers (16) |

**Table Columns**

Column ID #	Extract	Name	Data Type	Data Length	Field Type	Primary Key	Relation Table
1	<input checked="" type="checkbox"/>	No.	Code	20	Normal	<input type="checkbox"/>	
2	<input checked="" type="checkbox"/>	Name	Text	100	Normal	<input type="checkbox"/>	
3	<input checked="" type="checkbox"/>	Search Name	Code	100	Normal	<input type="checkbox"/>	
4	<input checked="" type="checkbox"/>	Name 2	Text	50	Normal	<input type="checkbox"/>	
5	<input type="checkbox"/>	Address	Text	100	Normal	<input type="checkbox"/>	
6	<input type="checkbox"/>	Address 2	Text	50	Normal	<input type="checkbox"/>	
7	<input type="checkbox"/>	City	Text	50	Normal	<input type="checkbox"/>	

You can just setup the transfer, and when done, then you can click on test. You can also export your package or the table definition.

### IMPORTANT!!!!!!

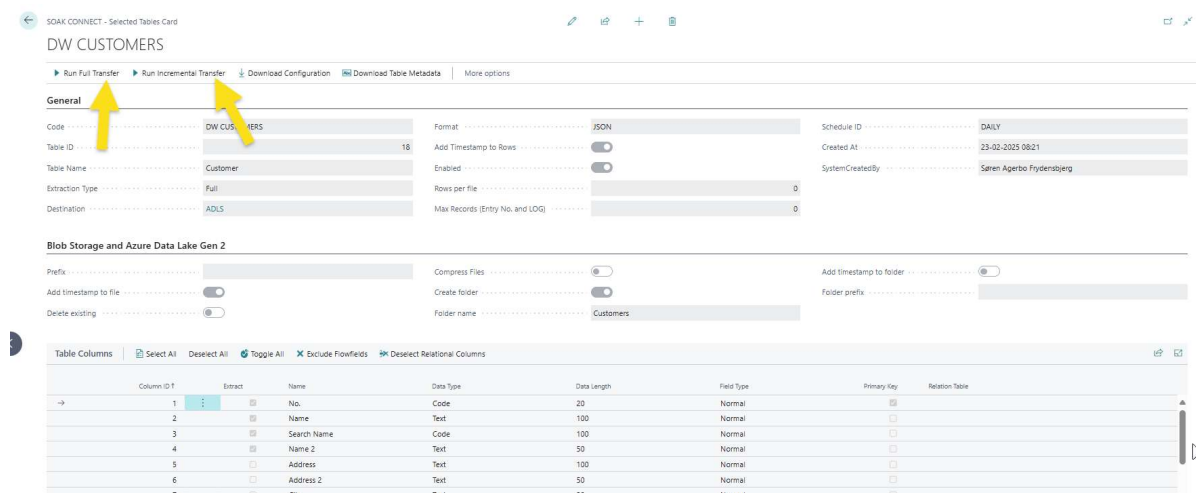
- 1) Be careful with full load. Export time can be VERY slow.
- 2) Be careful to include flow fields. Export time can be VERY Slow.
- 3) If you choose LOG in (Extraction type), then you MUST setup Change logging in BC first (not described here).

The fields you can enter

- 1) **Name** of the Package
- 2) **Table Id** for the table you want to extract.
- 3) **Type**. Can be Full, Posting Date, entry No. Or log.
  - a. If posting Date, then it will show two fields where you can choose the datefield and the number of days that you want to extract back in time (MUST BE POSITIVE).
  - b. IF LOG, then please setup Change Log in Business central first.
- 4) **Destination** is where you want to store things.
- 5) **Format** can be JSON or CSV.

- 6) **Add Timestamp to row**, will add an extra column to your dataset, so that you can see when the row is exported.
- 7) **Enabled**. Must be on if you want to schedule.
- 8) **Rows per file**. If 1.000 and there are 8.000 rows, then 8 files will be created.
- 9) **Max records**. This is used when Extraction type is Entry No. Or Log. This is to avoid overload, so it tells how many rows that maximum can be exported.
- 10) **Schedule ID**. The schedule.
- 11) **Prefix. Is prefix for the files**. That helps you having extract data from multiple companies, so e.g. a prefix of DK\_ will put DK\_ in front of the table.
- 12) **Add Timestamp to file**. If enabled, then the file will have added date and time to the end.
- 13) **Delete existing**. Delete the file if it exists.
- 14) **Compress files**. File will be put into a zip file.
- 15) **Create folder**. If enabled, then file will be stored in the folder named in 16.
- 16) **Folder name**. Name of the folder you want to store data in.
- 17) **Add Timestamp to folder**. Will add filestamp to folder.
- 18) **Folder Prefix**. Prefix of folder if necessary. We recommend to use the file prefix instead.
- 19) Choose the columns that you want in the output. Some rules:
  - a. The more columns → The slower export.
  - b. Include FlowFields → Slower Export.

You can test the export by clicking one of the two buttons shown below:



SOAK CONNECT - Selected Tables Card

DW CUSTOMERS

Run Full Transfer Run Incremental Transfer Download Configuration Download Table Metadata More options

**General**

Code: DW CUSTOMERS Format: JSON Schedule ID: DAILY

Table ID: 18 Add Timestamp to Rows: ☐ Created At: 23-02-2025 08:21

Table Name: Customer Enabled: ☐ SystemCreatedBy: Søren Agerbo Frydensberg

Extraction Type: Full Rows per file: 0

Destination: ADLS Max Records (Entry No. and LOG): 0

**Blob Storage and Azure Data Lake Gen 2**

Prefix: Compress Files: ☐ Add timestamp to folder: ☐

Add timestamp to file: ☐ Create folder: ☐ Folder prefix:

Delete existing: ☐ Folder name: Customers

**Table Columns** Select All Deselect All Toggle All Exclude Flowfields Deselect Relational Columns

Column ID	Extract	Name	Data Type	Data Length	Field Type	Primary Key	Relation Table
1	<input type="checkbox"/>	No.	Code	20	Normal	<input type="checkbox"/>	
2	<input type="checkbox"/>	Name	Text	100	Normal	<input type="checkbox"/>	
3	<input type="checkbox"/>	Search Name	Code	100	Normal	<input type="checkbox"/>	
4	<input type="checkbox"/>	Name 2	Text	50	Normal	<input type="checkbox"/>	
5	<input type="checkbox"/>	Address	Text	100	Normal	<input type="checkbox"/>	
6	<input type="checkbox"/>	Address 2	Text	50	Normal	<input type="checkbox"/>	
7	<input type="checkbox"/>	City	Text	50	Normal	<input type="checkbox"/>	

If you want to use the definition in other companies, then choose Download configuration (can be uploaded from the Export list).

If you want to export the table definition, then click on the Download table meta data.

SOAK CONNECT - Selected Tables Card

DW CUSTOMERS

Run Full Transfer

Run Incremental Transfer

Download Configuration

Download Table Metadata

More options

General

CodeDW CUSTOMERS

FormatJSON

Schedule IDDAILY

Table ID10

Add Timestamp to Rows

Created At23-02-2025 08:21

Table NameCustomer

Enabled

SystemCreatedBySøren Agerbo Frydensbjerg

Extraction TypeFull

Rows per file0

DestinationADLS

Max Records (Entry No. and LOG)0

Blob Storage and Azure Data Lake Gen 2

Prefix

Compress Files

Add timestamp to folder

Add timestamp to file

Create folder

Folder prefix

Delete existing

Folder nameCustomers

Table Columns

Select All

Deselect All

Toggle All

Exclude Flowfields

Deselect Relational Columns

	Column ID #	Extract	Name	Data Type	Data Length	Field Type	Primary Key	Relation Table
→	1	<input checked="" type="checkbox"/>	No.	Code	20	Normal	<input checked="" type="checkbox"/>	
	2	<input checked="" type="checkbox"/>	Name	Text	100	Normal	<input type="checkbox"/>	
	3	<input checked="" type="checkbox"/>	Search Name	Code	100	Normal	<input type="checkbox"/>	
	4	<input checked="" type="checkbox"/>	Name 2	Text	50	Normal	<input type="checkbox"/>	
	5	<input type="checkbox"/>	Address	Text	100	Normal	<input type="checkbox"/>	
	6	<input type="checkbox"/>	Address 2	Text	50	Normal	<input type="checkbox"/>	
	7	<input type="checkbox"/>	City	Text	50	Normal	<input type="checkbox"/>	

If they are ready, then the job queue is ok (if in doubt, then click restart).

Now you can search for SOAK CONNECT - Job Queue list

Tell me what you want to do

↗

✕

SOAK CONNECT - Job Queue list

Go to Pages and Tasks

>

SOAK CONNECT - Job Queue List

Lists

Search for 'SOAK CONNECT - Job Queue list'

📄

Search company data

🔍

Search Help

Didn't find what you were looking for? Try [exploring pages](#) or [exploring reports](#)

This will show which tables that are waiting to be executed:

← SOAK CONNECT - Job Queue List

🔖

📄

↗

🔍

📄

🔍

+ New

🔧 Edit List

🗑 Delete

+ Add Jobs

🏃 Execute Jobs

⋮

🔗

🔍

☰

Job ID ↑	Job Name	Selected Table Definition	Process Type	Created Time
(There is nothing to show in this view)				



## 4 LOGGING

Search for SOAK Connect – Transfer Log List, and the following shows the logging:

Entry No. 1	Logging Time	Selected Table Code	Table Name	Start Time	End Time	Status	No. of Rows	Extraction Type	High Water Mark	Comment
1	23-02-2025 08:22	DW.CUSTOMERS		23-02-2025 08:22	23-02-2025 08:22	Completed	5	Full		Processed 5 records in 1 files
2	23-02-2025 08:32	VENDOR		23-02-2025 08:32	23-02-2025 08:32	Completed	6	Full		Processed 6 records in 1 files
3	23-02-2025 08:32	VENDOR		23-02-2025 08:32	23-02-2025 08:32	Completed	6	Full		Processed 6 records in 1 files
4	23-02-2025 08:33	VENDOR		23-02-2025 08:33	23-02-2025 08:33	Completed	6	Full		Processed 6 records in 4 files
5	23-02-2025 08:33	VENDOR		23-02-2025 08:33	23-02-2025 08:33	Completed	6	Full		Processed 6 records in 1 files
6	23-02-2025 08:37	INVUNES		23-02-2025 08:37	23-02-2025 08:37	Completed	0	Date Field		Processed 0 records in 1 files
7	23-02-2025 08:39	DW.GLENTRY		23-02-2025 08:39	23-02-2025 08:39	Completed	0	Entry No.		Processed 0 records in 1 files
8	23-02-2025 08:40	DW.GLENTRY		23-02-2025 08:40	23-02-2025 08:40	Completed	8	Entry No.	8	Processed 8 records in 1 files
9	23-02-2025 08:40	DW.GLENTRY		23-02-2025 08:40	23-02-2025 08:40	Completed	0	Entry No.		Processed 0 records in 1 files
10	23-02-2025 08:50	SALESHEADER		23-02-2025 08:50	23-02-2025 08:50	Completed	0	Full		Processed 0 records in 1 files
11	23-02-2025 09:04	TEST		23-02-2025 09:04	23-02-2025 09:04	Completed	11	Full		Processed 11 records in 1 files
12	23-02-2025 09:12	DEMOQUEUE		23-02-2025 09:12	23-02-2025 09:12	Completed	48	Full		Processed 48 records in 1 files
13	23-02-2025 09:33	VENDOR		23-02-2025 09:33	23-02-2025 09:34	Completed	6	Full		Processed 6 records in 1 files
14	23-02-2025 09:34	VENDOR		23-02-2025 09:34	23-02-2025 09:34	Completed	6	Full		Processed 6 records in 1 files
15	23-02-2025 09:34	VENDOR		23-02-2025 09:34	23-02-2025 09:34	Completed	6	Full		Processed 6 records in 1 files
16	23-02-2025 09:40	DW.GLENTRY		23-02-2025 09:40	23-02-2025 09:40	Completed	8	Entry No.	8	Processed 8 records in 1 files
17	23-02-2025 09:40	DW.GLENTRY		23-02-2025 09:40	23-02-2025 09:40	Completed	8	Entry No.	8	Processed 8 records in 1 files
18	23-02-2025 09:40	DW.GLENTRY		23-02-2025 09:40	23-02-2025 09:40	Completed	8	Entry No.	8	Processed 8 records in 1 files
19	23-02-2025 09:50	SALESHEADER		23-02-2025 09:50	23-02-2025 09:50	Completed	0	Full		Processed 0 records in 1 files
20	23-02-2025 09:50	SALESHEADER		23-02-2025 09:50	23-02-2025 09:50	Completed	0	Full		Processed 0 records in 1 files
21	23-02-2025 09:50	SALESHEADER		23-02-2025 09:50	23-02-2025 09:50	Completed	0	Full		Processed 0 records in 1 files
22	23-02-2025 10:04	TEST		23-02-2025 10:04	23-02-2025 10:04	Completed	11	Full		Processed 11 records in 1 files
23	23-02-2025 10:12	DEMOQUEUE		23-02-2025 10:12	23-02-2025 10:12	Completed	48	Full		Processed 48 records in 1 files
24	23-02-2025 10:12	DEMOQUEUE		23-02-2025 10:12	23-02-2025 10:12	Completed	48	Full		Processed 48 records in 1 files

That is the logging that we have for now.