

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.

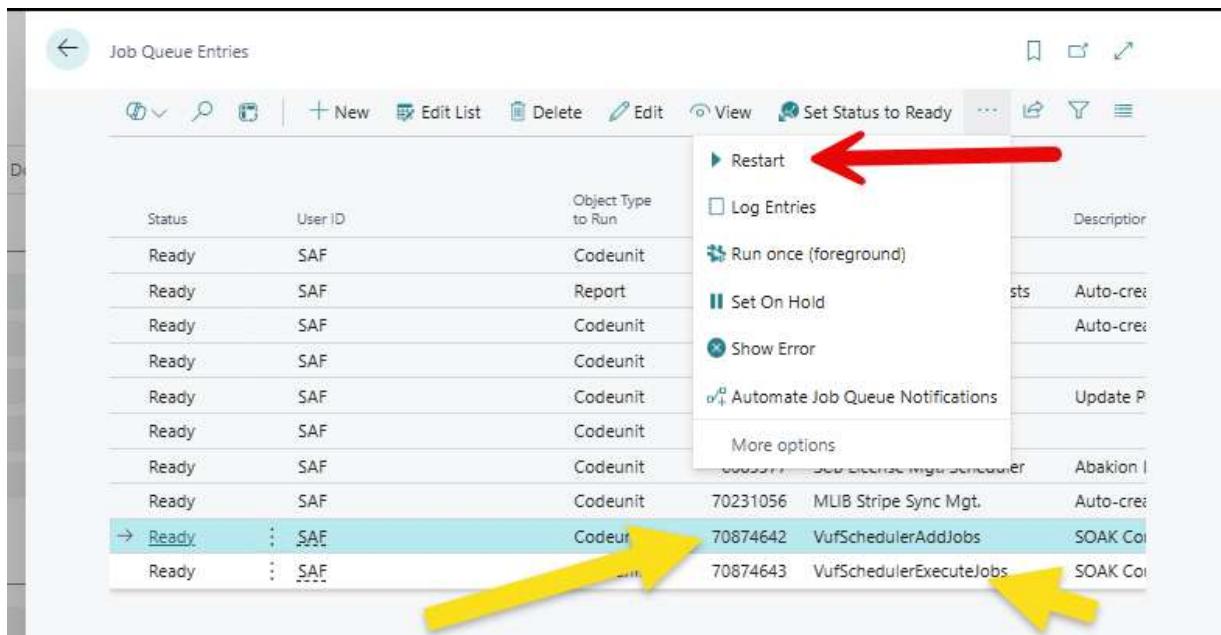
USERS THAT ARE GOING TO WORK WITH THIS EXTENTION, MUST HAVE THE SOAK CONNECT PERMISSION SET.

1.1 Install extension

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

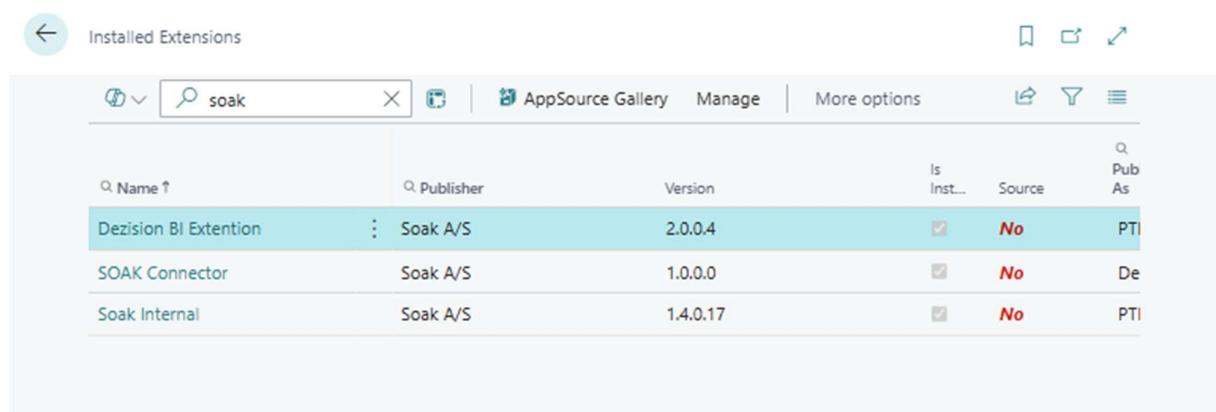
Install the app.

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:

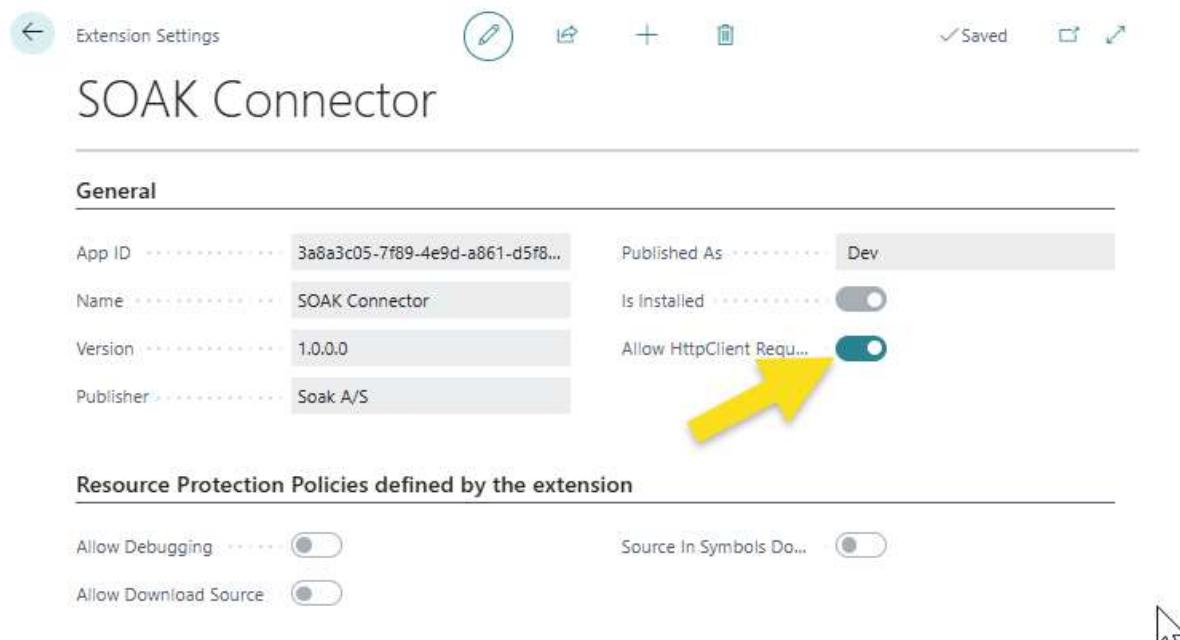


Also remember to allow the Extension to make External HTTPS Request.

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



Click on Soak connect:



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, 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

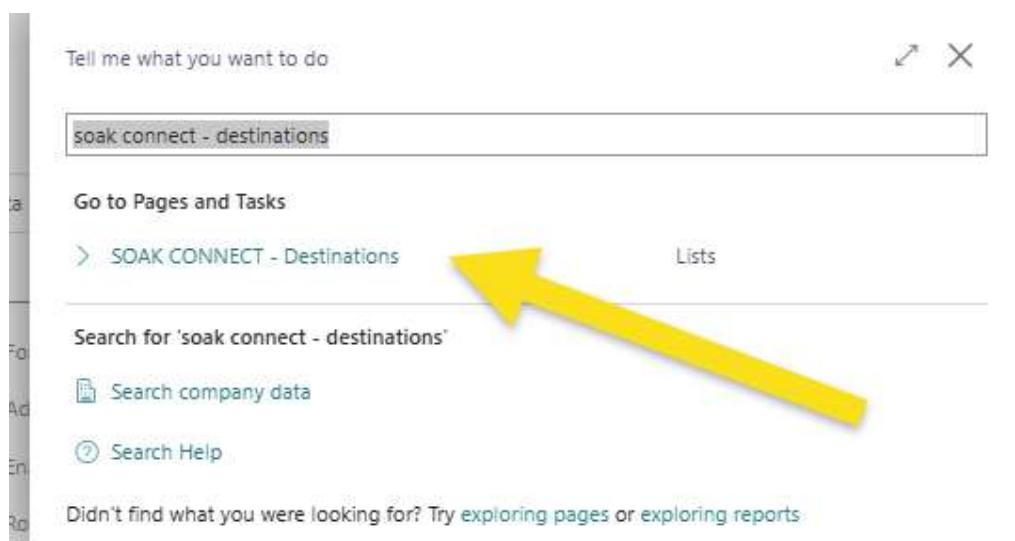
- 1) Storage Account Name
- 2) Container
- 3) Shared Access Signature with as few permissions as possible.

1.3 Setup Destinations

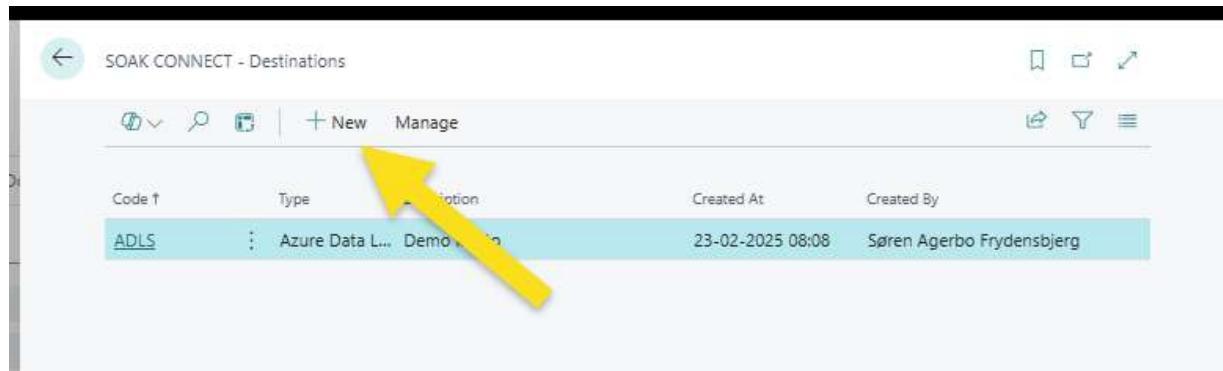
When the storage account is created, then you are ready to setup Destinations in business central.

You can setup as many destinations as possible.

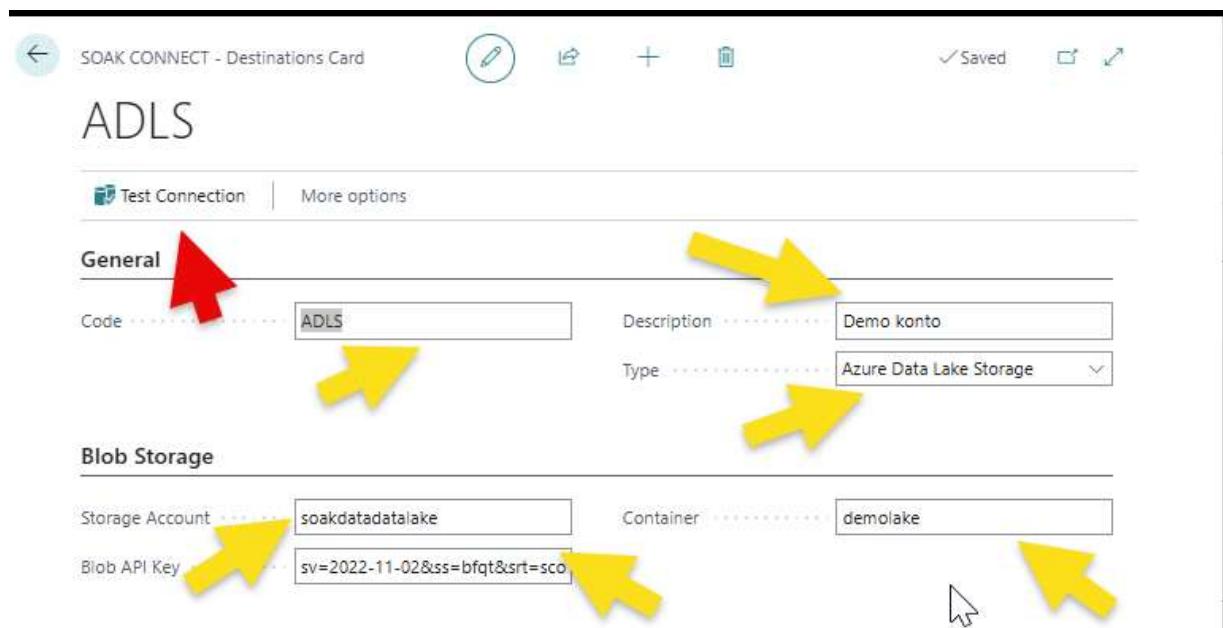
Search for SOAK SONNECT – DESTINATIONS:



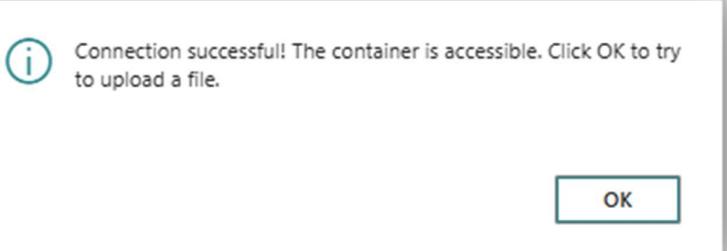
The following window will open, and then you click new:



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



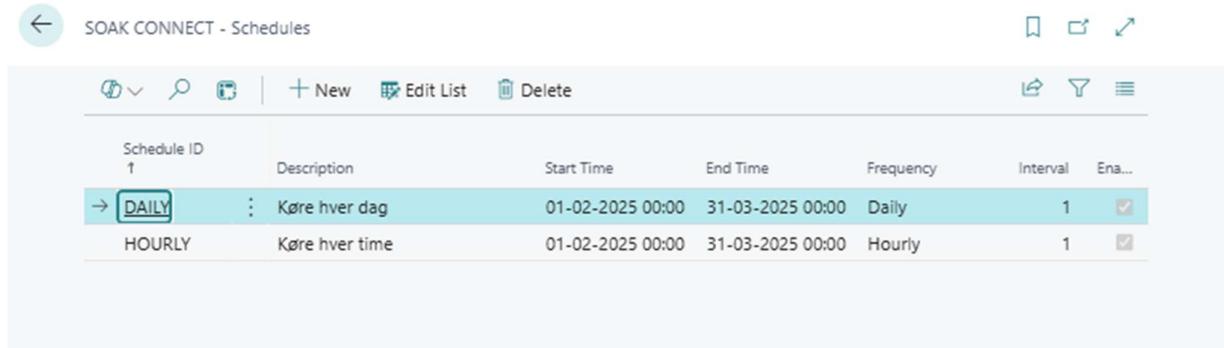
Fill in information at the yellow arrows, and then click Test Connection. If everything is ok, then the test will be performed ok, and then you can look into the container where you can find a testfile.



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:



Schedule ID	Description	Start Time	End Time	Frequency	Interval	Enabled
→ 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"/>

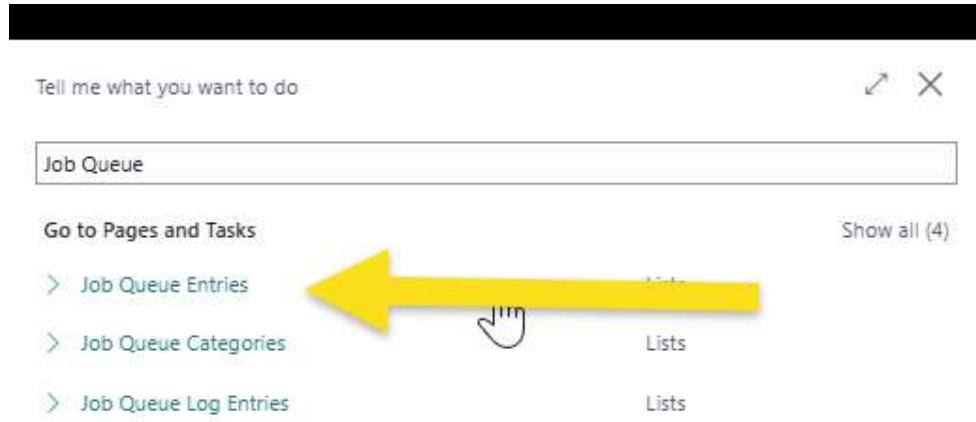
Click New or edit list, to add new records.

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 is exported every 4th hour.

2 Extract data

Before starting, then find the two Job Queues



Tell me what you want to do

Job Queue

Go to Pages and Tasks

> Job Queue Entries

> Job Queue Categories

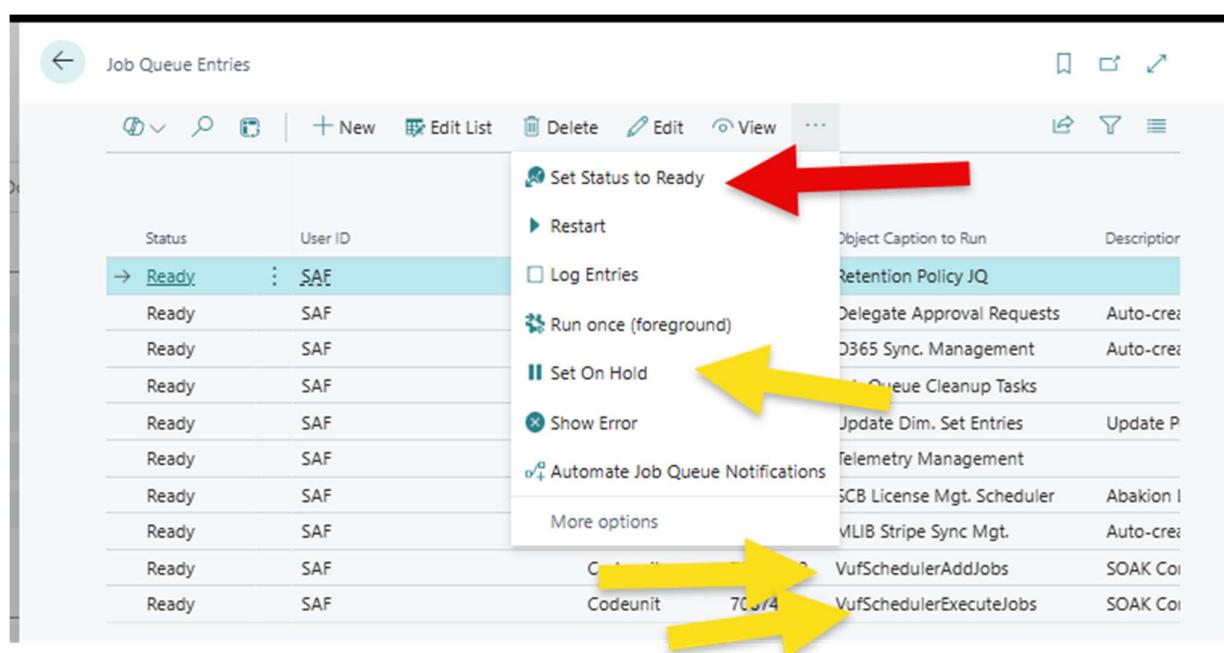
> Job Queue Log Entries

Lists

Lists

Show all (4)

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



Job Queue Entries

Status	User ID
Ready	SAF

Set Status to Ready

Restart

Log Entries

Run once (foreground)

Set On Hold

Show Error

Automate Job Queue Notifications

More options

Codeunit 700/4

Object Caption to Run Description

Retention Policy JQ

Delegate Approval Requests Auto-crea

D365 Sync. Management Auto-crea

Queue Cleanup Tasks

Update Dim. Set Entries Update P

Telemetry Management

SCB License Mgt. Scheduler Abakion I

MLIB Stripe Sync Mgt. Auto-crea

VufSchedulerAddJobs SOAK Co

VufSchedulerExecuteJobs SOAK Co

Set them on hold.

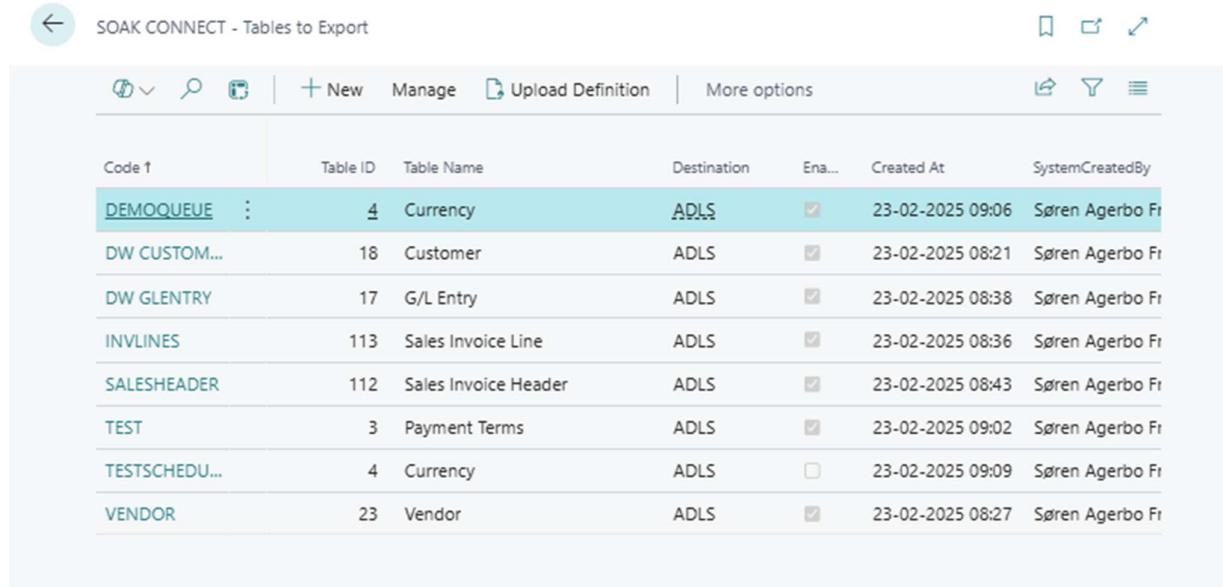
When Finished working with the tables to export, then Set status to red (the Red arrow).

2.1 The basics

Search for SOAK CONNECT – Tables to export



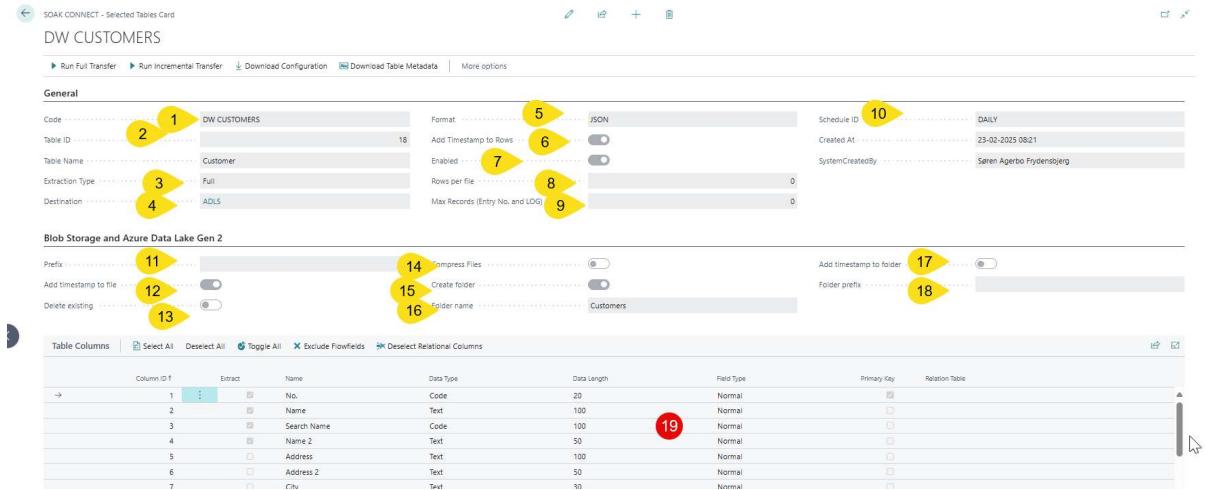
Click and you get the list of tables setup for export.



The screenshot shows a list view titled "SOAK CONNECT - Tables to Export". The table has the following columns: Code, Table ID, Table Name, Destination, Enabled, Created At, and SystemCreatedBy. The data in the table is as follows:

Code	Table ID	Table Name	Destination	Enabled	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 GLENTRY	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:



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!!!!!!

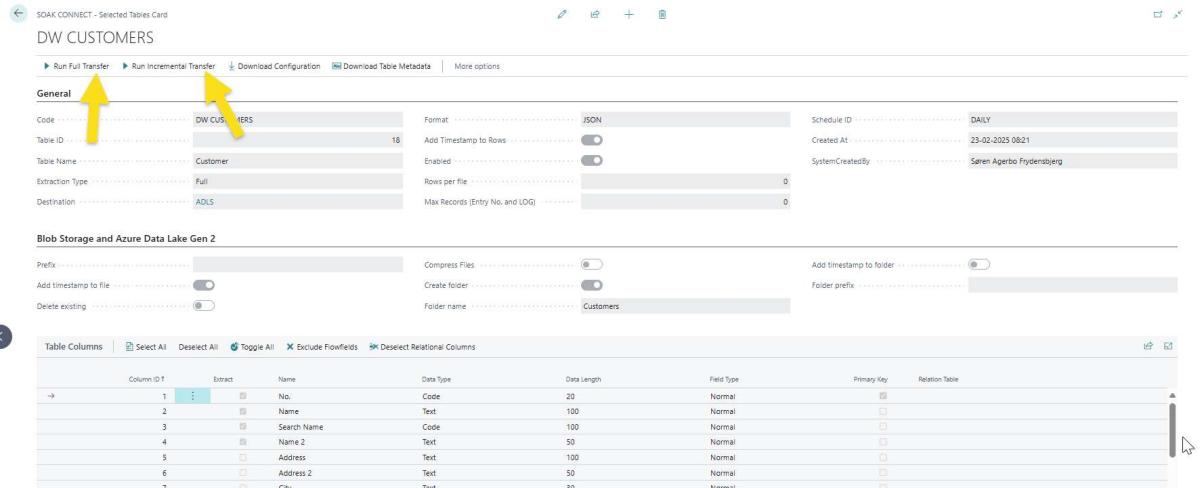
- 1) Be careful with full load. Export time can be **VERY** slow.
- 2) Be careful to include flow fields. Export time can be **VERY** Slow.
- 3) If you choose LOG in (Extraction type), then you **MUST** setup Change logging in BC first (not described here).

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.

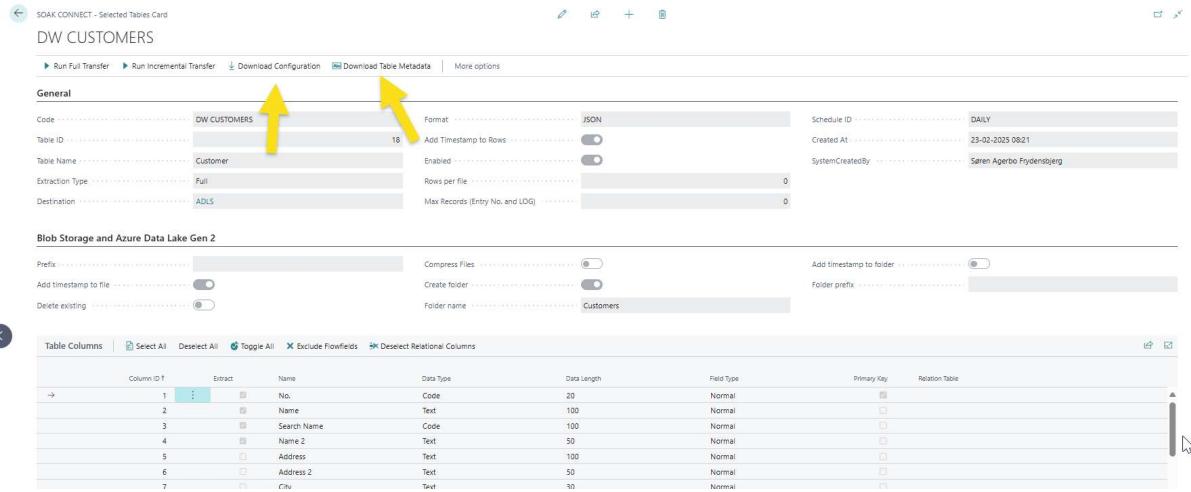
You can test the export by clicking one of the two buttons shown below:



The screenshot shows the SOAK CONNECT interface for the 'DW CUSTOMERS' table. At the top, there are two prominent yellow arrows pointing to the 'Run Full Transfer' and 'Run Incremental Transfer' buttons. Below these buttons is a table with columns: Prefix, Compress files, Add timestamp to file, Create folder, and Folder prefix. The 'Table Columns' section at the bottom shows a list of columns with checkboxes for 'Extract' and 'Exclude Flowfields'.

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

Code	DW CUSTOMERS	Format	JSON	Schedule ID	DAILY
Table ID	18	Add Timestamp to Rows	<input checked="" type="checkbox"/>	Created At	23-02-2023 08:21
Table Name	Customer	Enabled	<input checked="" type="checkbox"/>	SystemCreatedBy	Søren Agerbo Frydensjørg
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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create folder	<input checked="" type="checkbox"/>	Folder prefix
Delete existing	<input checked="" type="checkbox"/>	Folder name

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 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 checked="" type="checkbox"/>	Address	Text	100	Normal	<input type="checkbox"/>	
6	<input checked="" type="checkbox"/>	Address 2	Text	50	Normal	<input type="checkbox"/>	
7	<input checked="" type="checkbox"/>	City	Text	50	Normal	<input type="checkbox"/>	

3 Execution

Now when everything is setup, then it is time to investigate the execution. There are two places:

- 1) Build in job queues
- 2) Job queues in SOAK CONNECT.

Open the job queue list, and make sure they are ready:

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 ↶ X

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:

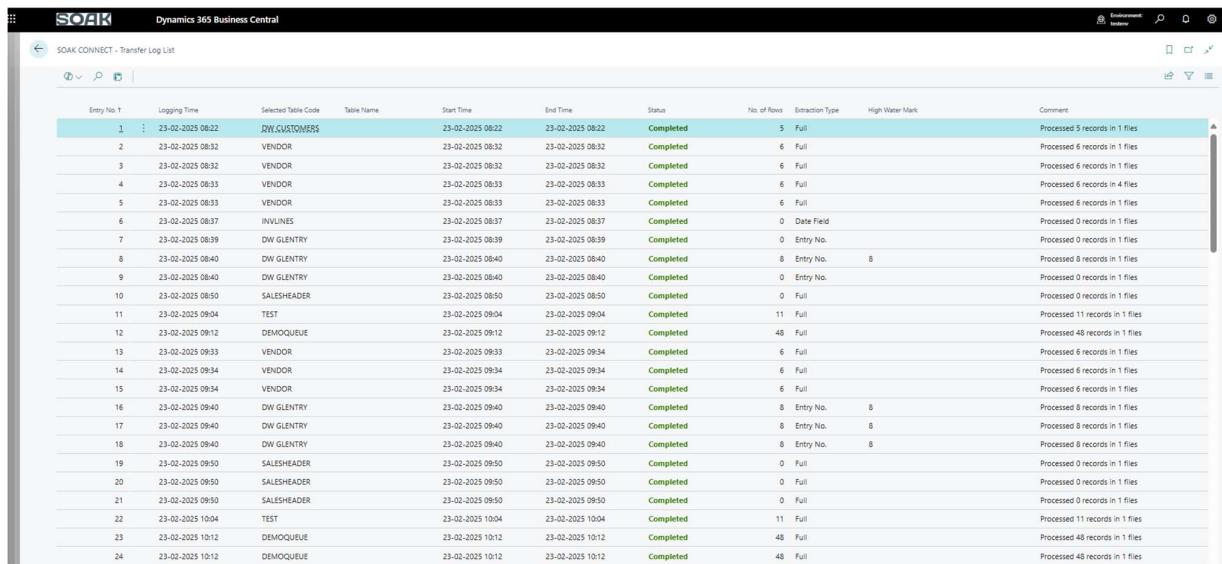
 SOAK CONNECT - Job Queue List ↶ ↻ ↪

   |  [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.	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	INVINES		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.