

JOBS

During the initial installation, five scheduled tasks or queue movements are created to execute the processes described below, which are made available for use. The frequency should be configured as needed. For task configuration, please refer to Microsoft's documentation.

Job Queue Entries

+ New

Edit List

Delete

Edit

View

Set Status to Ready

Restart

Run once (foreground)

Set On Hold

Show Error

More options

Status	User ID	Object Type to Run	Object ID to Run	Object Caption to Run	Description	Job Queue Category Code	Priority	User Session Started	Earliest Start Date/Time	Sche...	Recur... Job	No. of Minutes between Runs
Ready	TOLO.S...	Codeunit	72139596	NOW Export Replication (Job)	OE-Export Automated Replication Templates (Job).		0		13/09/2024 0:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1440
Ready	TOLO.S...	Codeunit	72139591	NOW Delete-Clear Entities	OE-Delete or Clear Out the Entries of I/O folders.		0		13/09/2024 0:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1440
Ready	TOLO.S...	Codeunit	72139586	NOW Entity Programmed (Job)	OE-Process Entities Queued(Programmed).		0		13/09/2024 0:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1440
Ready	TOLO.S...	Codeunit	72139588	NOW AutoRenew Webhooks	OE-Auto Renew Webhooks Subscribed		0		13/09/2024 0:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1440
Ready	TOLO.S...	Codeunit	72139595	NOW Template Group (Job)	OE-Run Automated Template Groups (Job).		0		13/09/2024 0:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1440

We must remember that some templates have their own schedules (days of the week) so the configuration of the Jobs means that they will start on the days or times defined within them, but ultimately they will be subject to the schedule of the templates.

Job Queue Entry Card

✓ Saved

Codeunit · 72139596 · NOW Export Replication (Job)

Home

Job Queue

More options

Set Status to Ready

Set On Hold

Restart

Run once (foreground)

Show Error

General

Show more

Object Type to Run

Codeunit

Earliest Start Date/Time

13/09/2024 0:00

...

Object ID to Run

72139596

...

Job Timeout

12 hours

Object Caption to Run

NOW Export Replication (Job)

Status

On Hold

Description

OE-Export Automated Replication

Recurrence

Recurring Job

Run on Mondays

Run on Tuesdays

Run on Wednesdays

Run on Thursdays

Run on Fridays

Run on Saturdays

Run on Sundays

Next Run Date Formula

Starting Time

Ending Time

No. of Minutes between...

Inactivity Timeout Peri...

1440

5

EXPORT REPLICATION (JOB)

This will execute the replication templates that allow it.
For example, in the Export Replication job, all days of the week are selected.
However, for the following template, it will only execute if the **‘Allow Job Queue Process’** field is marked and only for the designated destinations and calendar days.
The **Enabled** field must be marked in the header, the lines, and the **Targets** section.

Template Replicator

MASTERTABLES

Edit PermissionsExport DataSave FileGet All Fields & EnableDelete Obsolete FieldsMore options

CodeMASTERTABLES

Allow Job Queue Process

DescriptionReplicate the master tables data

Run on Target

OperationInsert-Modify

Enable

Table Trigger

Permissions0

SubmissionsBy Table

Folder

Lines

New LineDelete LineUse KeyClear Key

Target Table ID	Target Table Name	Operation	Table Trig...	Key	Fields	Filters	Ena...
→ 15	G/L Account	Insert-Mod...	<input type="checkbox"/>		59	0	<input checked="" type="checkbox"/>
18	Customer	Insert-Mod...	<input type="checkbox"/>		183	0	<input checked="" type="checkbox"/>
23	Vendor	Insert-Mod...	<input type="checkbox"/>		153	0	<input checked="" type="checkbox"/>
27	Item	Insert-Mod...	<input type="checkbox"/>		214	0	<input checked="" type="checkbox"/>

Targets (Job Queue)

New LineDelete Line

Tenant Code ↑	Company Name ↑	Mon...	Tues...	Wed...	Thur...	Friday	Satu...	Sun...	Ena...
SANDBOXDEV	CRONUS ES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
→ SANDBOXDEV2	CRONUS ES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

TEMPLATE GROUP (JOB)

This will periodically execute Template Groups that have the **‘Allow Job Queue Process’** field marked and only for custom templates scheduled on the calendar.
The **Enabled** field must be marked in both the header and the lines.

Group Header

JOB-ITEMS

RunMore options

General

CodeJOB-ITEMS

Webhooks1

DescriptionGroup of actions to run when trigger

Enable

Allow Job Queue Process

Lines

New LineDelete Line

Custom Template Code	Description	Action	Order ↑	Enable	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
→ CT-0001	Export Items for CRONUS ES	Export	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CT-0002	Export Items to SandboxDev	Export	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

AUTO-RENEW WEBHOOKS

This will renew the expiration date for subscribed notification services where we have marked the ‘Automatic-Renew’ column.

Configuration List: All Search Analyze New Delete Edit List Subscribe Unsubscribe Renew More options

Webhook Path	Webhook Name	Order ↑	URL End Point	Client State	Group	Expiration Date	Subscr...	Autom... Renew	Subscription Id	OData Etag
v2.0/items	items	0	https://nomadaware.azure...		JOB-ITEMS	19/01/2024 0:00		<input checked="" type="checkbox"/>	c0af5a7ffc3b4b02...	W/"JzlwOzE3Nzk0MjU4MDAxMzg4MD...

ENTITY PROGRAMMED

The Entity Programmed task will collect all entries from the Outbound folder (Exports) generated from either base or custom templates and execute them at that moment. It can only process **Copy-Paste**, **Export Data**, and **Run-Process** actions, and it will ALWAYS use data from the same template. For example, for a scheduled Copy-Paste, we must ensure that the template has an appropriate serial number configured in the field settings, the defined filter is set to what we want to process, etc., as there will be no user intervention (automatic process).

Custom Template (Users) ✎ 🔗 + 🗑 ✓ Saved 📄 🔗

CT-0003

✕ The action has been saved for the next programmed job execution!

Run More options

General

Code

CT-0003

User

TOLO.SASTRE

Template Type

User

Template Code Source

EXPORTITEMS

Description

Description

Item

Action

Export

Operation

Insert-Modify

Run Type

Programmed

Order

Normal

Use-Make Equivalence

☐

Folder

Enable

☒

Groups

0

Entry in Outbound Folder:

Outbound Folder: All Search Analyze New Delete Save File Delete All Clear Out All Card Grid Archive Manual Export Refresh

The field <Entity> seems empty. Show the content of the Field Entity as a Card (rows).

Template Source	Template Target	Date	Time	Action	Operation	Run Type	Sender User	Sender Company	Target Company	Perspective	Tenant Code Source	Tenant Code Target
EXPORTITEMS	EXPORTITEMS	15/01/2024	1:13:11	Export	Insert-Modi...	Normal	OE MANAGEMENT	CRONUS USA, Inc.	CRONUS ES	Target	SANDBOXDEV3	SANDBOXDEV
EXPORTITEMS	EXPORTITEMS	16/01/2024	16:15:18	Export	Insert-Modi...	Programmed	TOLO.SASTRE	CRONUS USA, Inc.	CRONUS ES	Target	SANDBOXDEV3	SANDBOXDEV
EXPORTITEMS	EXPORTITEMS	15/01/2024	1:13:09	Export	Insert-Modi...	Normal	OE MANAGEMENT	CRONUS USA, Inc.	CRONUS ES	Target	SANDBOXDEV3	SANDBOXDEV

It’s important to note that when a template with a scheduled execution type runs, data is not actually selected. If we try to view the data, we will be warned that the generated entity appears empty, which is intentional. Only when the Job is executed will the scheduled data be generated and processed. This option allows us to delay data transmission to a more suitable future time for Business Central resources (e.g., handling large amounts of data) or to wait until users have finished their work to export daily data.

DELETE-CLEAR ENTITIES

With ongoing application use, incoming and outgoing lines will accumulate in the folders, along with their internal content (data).

To prevent unnecessary database growth, we can activate this Job, which will completely delete existing entries and exits along with their operation logs, provided they have been processed and are error-free.

If the ‘Clear Entity Only’ field is marked in the application’s Setup page, the Job will delete only the content of entries rather than the entries themselves.