

## WHAT'S NEW IN VERSION OPEN ENTITY-UCONN 1.0.0.0

The latest version of Open Entity includes a new module called uConn, which enables connectivity with external systems and the import of data, as well as the eventual creation of automatic templates based on that data through the Import Planner module.

These new capabilities, together with several enhancements to the standard functionality, such as the execution of customer-created codeunits before and after the execution of both base and custom templates, and a new section in the dashboard dedicated to the configuration of new apps, are explained in this document.

### UCONN

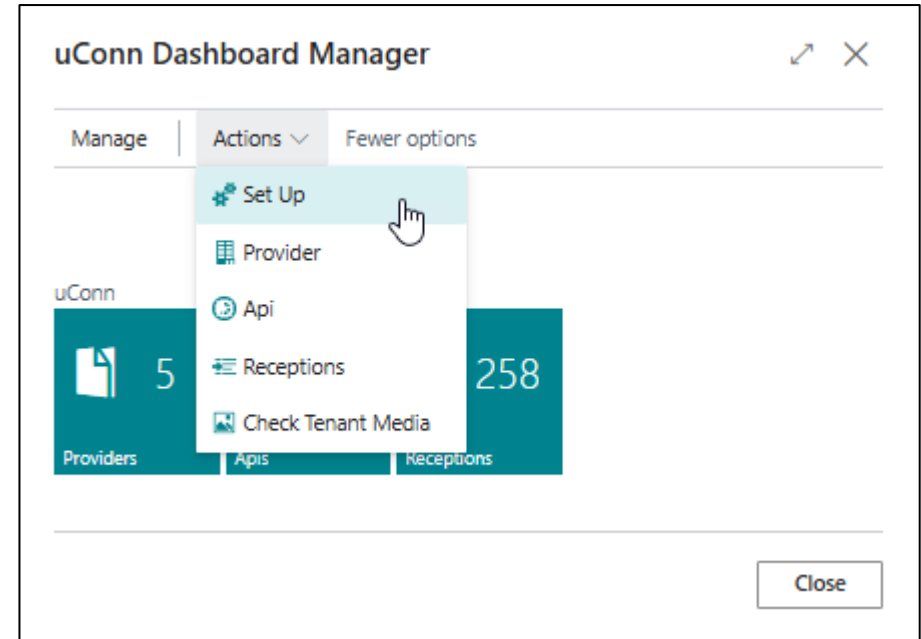
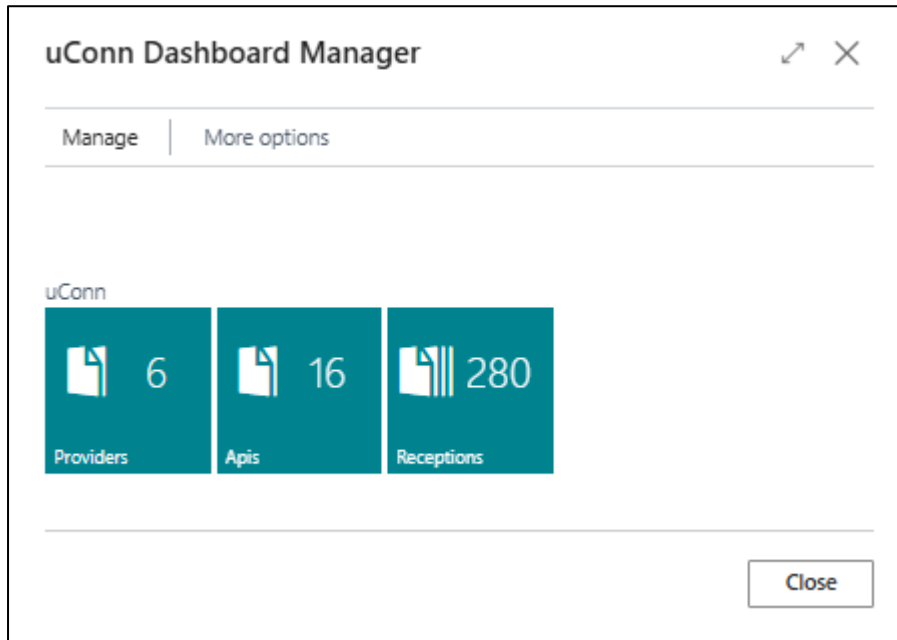
In uConn, connections to external data providers or data sources, such as Google or eBay, are configured.

We access uConn from Open Entity > Actions > uConn > uConn Dashboard:

The screenshot displays the 'Open Entity Dashboard Manager' interface. On the left, a navigation menu is open under the 'Actions' tab, with 'uConn' selected and its sub-menu 'uConn Dashboard' highlighted. The main dashboard area contains several sections of data tiles:

- Templates:** A vertical list on the left with counts: 44 (Base), 1 (Don't Do).
- Customizations:** A row of five tiles: Clipboard Pages (56), Custom Templates (4), Template Groups (1), Equivalences (0), and Import Planner (11).
- Activity:** A row of three tiles: Inbounds (52), Outbounds (4), and Logs (999+).
- Notifications:** A row of two tiles: Webhooks (0) and Receptions (0).
- Applications:** A single tile for Apps (4).

## uConn Dashboard Manager



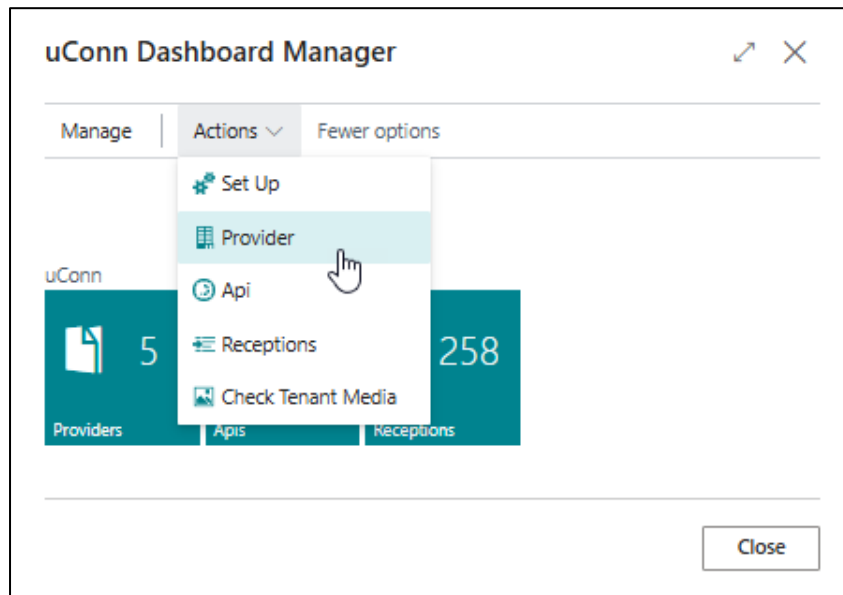
We will see three main **cues** corresponding to the data providers, their APIs, and the stored receptions together with their data.

From **Actions**, we can navigate through the previously mentioned **cues**, as well as to two additional options. The first one is **Set Up**, which is used to configure the default field type filter (BLOB, Media, MediaSet) when saving an imported image, for example from ChatGPT, into a Business Central table. The second one is **Check Tenant Media**, which provides a simple, read-only view of the contents of this standard table.

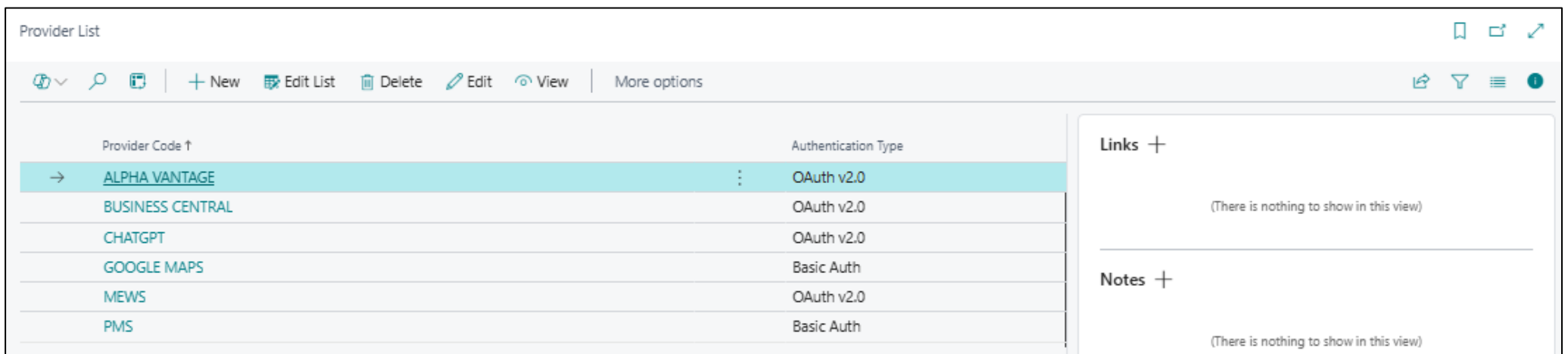


## PROVIDERS

In Providers, by clicking on the cue or through Actions, we start configuring our connection:



A list of our providers will be displayed. By executing the **New** or **Edit** action, we are taken to the provider card page.



Here, we will access a couple of existing providers in order to explain the configuration to be created according to the nature of the connection, either OAuth or Basic authentication.

In this example, we create a connection with **ChatGPT** and enter the required values in the **General** section, such as the provider name, the authentication type, and the **Client Secret** of our account opened in the OpenAI API.

Other connections with different providers will require the configuration of additional fields. For example, if the connection is made with Business Central, the remaining blank fields must be configured. If the authentication type is **Basic Auth**, other fields not shown here, such as **User** and **Password**, will be required.

### CHATGPT

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#### General

Provider Code ..... CHATGPT

Authentication Type ..... OAuth v2.0

Receptions ..... 91

**OAuth**

Tenant Guid (BC connections) .....

OAuth Client ID .....

OAuth Client Secret .....

OAuth Redirect URL .....

OAuth Scope .....

Get Access Token .....

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Apis | [New Line](#) | [Delete Line](#) | [Get Data](#)

| Api Code   | Description                       | Method | Uri   | Order ↑ | Json label for Image. | Is Video                            | Image Respo...                      | Enabled                             | Receptions |
|------------|-----------------------------------|--------|---|---------|-----------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------|
| → CHATGPT5 | AI Query                          | POST   | https://api.openai.com/v1/chat/completions  | 10      |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 1          |
| IMAGE-1    | New Image Gen Open AI             | POST   | https://api.openai.com/v1/images/generations  | 15      | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 1          |
| VIDEOMAKE  | Gen Video Demo                    | POST   | https://api.openai.com/v1/videos  | 18      |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 2          |
| VIDEOGET   | Get the video created by VIDE...  | GET    | https://api.openai.com/v1/videos/video_695967f3d6d08191ab093d8c8c8b5c730b145e2a1403a7e9/content | 19      |                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3          |
| DALLE-3A64 |                                   | POST   | https://api.openai.com/v1/images/generations  | 20      | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 54         |
| DALLE-3B64 | AI Image stored in b64_json la... | POST   | https://api.openai.com/v1/images/generations  | 30      | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 14         |

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Parameters >

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Body >

In the **APIs** section, we create our calls to the different APIs of the selected provider. **API Code** should contain a meaningful value related to the nature or function of the API, and in **Description** we can enter a brief text explaining its purpose.

The next two fields, **Method** and **URL**, define the basis of the API call itself to the provider. Together with the **Parameters** and/or **Body** section, they are responsible for supplying the data we request.

The **Order** field is simply used to sort the lines in this section according to our preferences.

**Json label for Image:** specifies the JSON label that may contain an image. It is used to store that image and to download it or save it into a Business Central table (see Receptions).

If the fields **Json label for Image** or **Image Response** are configured on the API line, the images can be displayed directly in the receptions list without any additional action.

The screenshot displays the 'Receptions List' interface. The main table lists API calls with columns for Provider Code, Api Code, Date, Time, Json label for Image, Is Video, Image Resp..., Proc..., and Track. The first row is highlighted, showing 'CHATGPT' as the provider and 'IMAGE-1' as the API code. A red arrow points from the 'b64\_json' value in the 'Json label for Image' column to the 'Data Content' field in the details pane.

| Provider Code | Api Code    | Date       | Time     | Json label for Image | Is Video | Image Resp... | Proc... | Track                 |
|---------------|-------------|------------|----------|----------------------|----------|---------------|---------|-----------------------|
| → CHATGPT     | IMAGE-1     | 26/01/2026 | 13:02:41 | b64_json             |          |               |         | {a9014725-00f6-4c4... |
| PMS           | IMPORT      | 25/01/2026 | 20:15:25 |                      |          |               |         | {e14ab785-4c79-47...  |
| PMS           | IMPORT      | 25/01/2026 | 20:11:41 |                      |          |               |         | {8c410ae1-4dce-40...  |
| PMS           | IMPORT      | 25/01/2026 | 20:09:12 |                      |          |               |         | {08b8614b-8624-42...  |
| PMS           | IMPORT      | 25/01/2026 | 20:06:14 |                      |          |               |         | {d004dc53-b6e8-49...  |
| PMS           | IMPORT      | 25/01/2026 | 20:04:00 |                      |          |               |         | {91d6513d-3435-4f...  |
| PMS           | IMPORT      | 25/01/2026 | 19:59:50 |                      |          |               |         | {14371623-85b3-43...  |
| PMS           | INVOICESII2 | 25/01/2026 | 19:58:40 |                      |          |               |         | {4a2c816b-445c-41...  |
| PMS           | INVOICESII2 | 25/01/2026 | 19:57:20 |                      |          |               |         | {c11dc8c3-31eb-43...  |

The details pane shows the following JSON data content:

```
{ "created": 1769428959, "background": "transparent", "data": [ { "b64_json": "TVBORw0KgoAAAAANSuHEUgAABAAAAAQACAYAAAB/HSJDAA" }, { "output_format": "png", "quality": "high", "size": "1024x1024", "usage": { "input_tokens": 42, "input_tokens_details": { "image_tokens": 0, "text_tokens": 42 }, "output_tokens": 4160, "total_tokens": 4202 } } ] }
```

A context menu is open over the image, with the following options:

- Get Picture from Data Content
- Export Media Set
- Save in BC Table
- Delete Picture

The background image shows a modern office environment with several people working at computers.

**Is Video:** indicates that the response will be a video.

**Image Response:** indicates that the data reception contains only an image, for example a static Google Maps image.

**Enabled:** allows us to enable or disable the API call.

**Receptions:** allows us to see how many receptions are stored and to navigate to them.

**Body section:** in this section, we enter the JSON message that we want to send to our API.

For example, for the previous case:

```
{
  "model": "gpt-image-1",
  "prompt": "una oficina super tecnologica con varios programadores dedicados a programar en business central",
  "size": "1024x1024",
  "background": "transparent"
}
```

In this body, we can edit the lines directly or execute the **Open Body** action which allows us to create, edit, delete, and copy or paste content with greater flexibility.

With the **Save Body** action, we save the lines within the Body section.

If we forget to save the changes, when closing the page we will be prompted again to confirm whether we want to save them.

Body Text - CHATGPT · IMAGE-1

Manage Page | Actions | Fewer options

Data

Save Body

```
{
  "model": "gpt-image-1",
  "prompt": "una oficina super tecnologica con varios programadores dedicados a programar en business central",
  "size": "1024x1024",
  "background": "transparent"
}
```

Close

## Parameters section

In this section, we create all the variable parameters required by the type of connection and the provider.

OE Template Base

GOOGLE MAPS

General

Provider Code: GOOGLE MAPS

Authentication Type: Basic Auth

Receptions: 41

Basic Auth

Url: [ ]

User Basic Auth: [ ]

Password/Api Key: [ ]

Apis: New Line, Delete Line, Get Data

| Api Code    | Description | Method | Url   | Order ↑ | Json label for Image. | Is Video                 | Image Respo...                      | Enabled                             | Receptions |
|-------------|-------------|--------|---|---------|-----------------------|--------------------------|-------------------------------------|-------------------------------------|------------|
| → STATICMAP |             | POST   | https://maps.googleapis.com/maps/api/staticmap?center=var1&zoom=var2&format=var3&size=var4&key=var5 | 0       |                       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 41         |

Parameters: New Line, Delete Line

| Parameter Name | Var  | Parameter Value | Date Format | Order ↑ | Enabled                             |
|----------------|------|-----------------|-------------|---------|-------------------------------------|
| → center       | var1 | Mombasa         | 0           | 10      | <input checked="" type="checkbox"/> |
| zoom           | var2 | 8               | 0           | 20      | <input checked="" type="checkbox"/> |
| format         | var3 | png;base64      | 0           | 30      | <input checked="" type="checkbox"/> |
| size           | var4 | 400x400         | 0           | 40      | <input checked="" type="checkbox"/> |
| key            | var5 | [ ]             | 0           | 50      | <input checked="" type="checkbox"/> |

Note that in this example the authentication type has changed some fields in the **General** section, even though in this case they are unnecessary and remain blank.

In the lines of the **Parameters** section, we must enter the parameter name as specified by the provider. In the **Var** column, we enter an “invented” variable name. Then, in **Parameter Value**, we enter the value of that parameter.

This approach makes it easier to edit parameter values and allows other modules, such as **Import Planner**, to execute user requests or scheduled periodic requests from the Business Central job queue using their own values. The **URL** field in the **APIs** section must include the names of these variables.

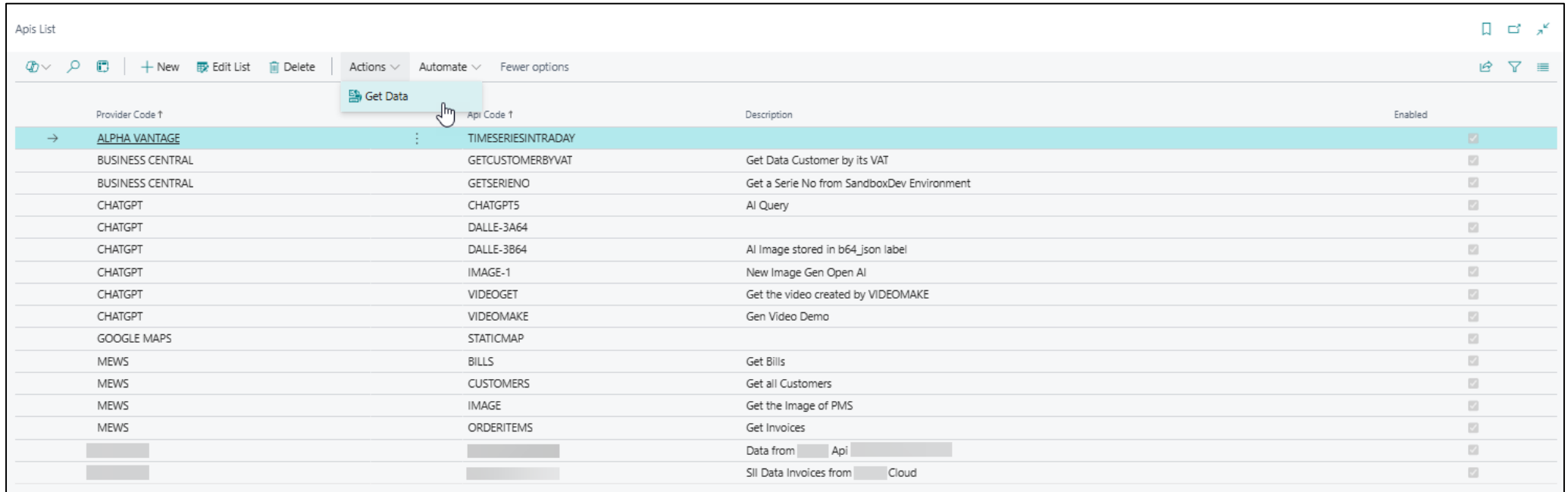
The **Get Data** action in the **APIs** section executes the configured call and creates a record in **Receptions** if it completes successfully.

The screenshot displays the 'GOOGLE MAPS - STATICMAP' interface. On the left, a table lists API calls with columns for Provider Code, Api Code, Date, Time, Json label for Image, Is Video, Image Response, Processed, and Track. The first row is highlighted in blue. A red arrow points from the 'Image Response' column of this row to the 'Data Content' field in the details panel on the right. The details panel shows 'Data' and 'Data Content' with the value 'iVBORwOKGgoAAAANSUHEUgAAA...'. Below the data content is an 'Image' section showing a map of a street intersection with various landmarks like 'Darajani Hotel', 'Klub Savannah', and 'Stadium Holiday Inn'.

| Provider Code | Api Code  | Date       | Time     | Json label for Image | Is Video                 | Image Response                      | Processed                | Track                                  |
|---------------|-----------|------------|----------|----------------------|--------------------------|-------------------------------------|--------------------------|--|
| GOOGLE MAPS   | STATICMAP | 05/01/2026 | 14:18:02 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {8bb6299e-8a41-45b0-8a76-75b25c074f10} |
| GOOGLE MAPS   | STATICMAP | 05/01/2026 | 14:17:04 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {ca739a64-54d4-470d-81f5-5cb31b18d652} |
| GOOGLE MAPS   | STATICMAP | 01/11/2025 | 11:27:51 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {8d23dd09-6b2d-4674-9a47-c0e3fcb4a0d8} |
| GOOGLE MAPS   | STATICMAP | 31/10/2025 | 20:29:19 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {005295bf-7581-477f-bb80-2208f77d9732} |
| GOOGLE MAPS   | STATICMAP | 31/10/2025 | 12:05:47 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {bfd5167f-5e0d-4bab-848c-d587db5645b6} |
| GOOGLE MAPS   | STATICMAP | 31/10/2025 | 11:45:29 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {f0cbfd17-6969-4e4b-867d-f30477ce3a4f} |
| GOOGLE MAPS   | STATICMAP | 31/10/2025 | 11:11:57 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {d942a5ed-d562-4391-bdb8-ca441633181f} |
| GOOGLE MAPS   | STATICMAP | 31/10/2025 | 11:11:42 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {d8610cca-b641-440b-9f82-e0906df7e9d1} |
| GOOGLE MAPS   | STATICMAP | 31/10/2025 | 11:11:32 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {d90a25e3-5d99-44e8-af5a-35c2203fbc53} |
| GOOGLE MAPS   | STATICMAP | 27/10/2025 | 19:42:50 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {f94ee0bb-ceae-421a-8aae-e40864de30c9} |
| GOOGLE MAPS   | STATICMAP | 27/10/2025 | 19:42:44 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {68f583f9-d4b3-4753-a64f-1bd8f0886203} |
| GOOGLE MAPS   | STATICMAP | 27/10/2025 | 19:42:35 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {1c5a0f58-7eab-4e6e-971e-7e366521761f} |
| GOOGLE MAPS   | STATICMAP | 27/10/2025 | 19:42:01 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {7e4fa9e9-5992-4d90-8b95-86429ee097d}  |
| GOOGLE MAPS   | STATICMAP | 27/10/2025 | 19:38:53 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {6e2bf740-69c6-4adf-8664-12e2646e0e8f} |
| GOOGLE MAPS   | STATICMAP | 13/10/2025 | 2:48:43  |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {55bcf2c1-e72a-4fc2-aa6b-f009bd021eb9} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 14:02:41 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {605fe458-c4e7-433b-b78c-7cace7ab0488} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 14:01:21 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {e081de7d-90dd-43c1-a9c1-9f25edfb9926} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 14:01:14 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {bcc1dbd4-689a-42ee-b0b9-eb3dad607a3c} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 14:00:44 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {00357933-a200-45fa-96ca-e45a87d28a6d} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:59:31 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {b101315d-dad2-4424-a6bc-759c3f8d091a} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:59:23 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {46722454-cd3c-49aa-b4d8-1948ccb3c19f} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:58:30 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {48fe9790-6fd6-4b4b-aa4c-38b20e66addd} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:54:45 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {703bd72c-368c-4d84-80a0-e9a6513e94ca} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:53:20 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {1c0ce7a5-fbb1-4cec-9acc-de363a88264f} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:52:39 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {606657ac-05a5-4af5-8798-4ba866a4c285} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:52:09 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {a835d3ea-ce6a-455a-9a0f-69d32d7045a6} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:51:43 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {40dd959c-d562-4587-bf51-44cb91cf99d2} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:51:34 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {05b2756a-5bce-4ed6-a591-04aff7285414} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:50:57 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {06c1d615-39f4-499f-8635-9bc7e7e47348} |
| GOOGLE MAPS   | STATICMAP | 10/10/2025 | 13:50:30 |                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {068704af-a6d4-48ec-97c3-0b8f508f0b15} |

## APIS

This section simply displays a general list of existing APIs and provides the option to execute them directly, based on the parameters and/or body message that are currently configured.



The screenshot shows a web interface titled "Apis List" with a table of API configurations. The table has columns for "Provider Code", "Api Code", "Description", and "Enabled". A "Get Data" button is highlighted over the "TIMESERIESINTRADAY" API row.

| Provider Code    | Api Code           | Description                                | Enabled                             |
|------------------|--------------------|--|-------------------------------------|
| ALPHA VANTAGE    | TIMESERIESINTRADAY |  | <input checked="" type="checkbox"/> |
| BUSINESS CENTRAL | GETCUSTOMERBYVAT   | Get Data Customer by its VAT               | <input checked="" type="checkbox"/> |
| BUSINESS CENTRAL | GETSERIENO         | Get a Serie No from SandboxDev Environment | <input checked="" type="checkbox"/> |
| CHATGPT          | CHATGPT5           | AI Query                                   | <input checked="" type="checkbox"/> |
| CHATGPT          | DALLE-3A64         |  | <input checked="" type="checkbox"/> |
| CHATGPT          | DALLE-3B64         | AI Image stored in b64_json label          | <input checked="" type="checkbox"/> |
| CHATGPT          | IMAGE-1            | New Image Gen Open AI                      | <input checked="" type="checkbox"/> |
| CHATGPT          | VIDEOGET           | Get the video created by VIDEOMAKE         | <input checked="" type="checkbox"/> |
| CHATGPT          | VIDEOMAKE          | Gen Video Demo                             | <input checked="" type="checkbox"/> |
| GOOGLE MAPS      | STATICMAP          |  | <input checked="" type="checkbox"/> |
| MEWS             | BILLS              | Get Bills                                  | <input checked="" type="checkbox"/> |
| MEWS             | CUSTOMERS          | Get all Customers                          | <input checked="" type="checkbox"/> |
| MEWS             | IMAGE              | Get the Image of PMS                       | <input checked="" type="checkbox"/> |
| MEWS             | ORDERITEMS         | Get Invoices                               | <input checked="" type="checkbox"/> |
|                  |                    | Data from [redacted] Api [redacted]        | <input checked="" type="checkbox"/> |
|                  |                    | SII Data Invoices from [redacted] Cloud    | <input checked="" type="checkbox"/> |

## RECEPTIONS

This section displays a list of all receptions performed so far.

From **Actions**, we can view the data as rich text using **Zoom Data** and save the data as a file on our computer using **Save File**.

Receptions List

Actions Automate Fewer options

Zoom Data Save File

| Provider Code | Api Code   |            |       |  |
|---------------|------------|------------|-------|--|
| CHATGPT       | VIDEOMAKE  |            |       |  |
| CHATGPT       | IMAGE-1    | 03/01/2026 | 19:20 |  |
| CHATGPT       | VIDEOGET   | 03/01/2026 | 12:29 |  |
| CHATGPT       | VIDEOMAKE  | 03/01/2026 | 12:27 |  |
| CHATGPT       | VIDEOGET   | 03/01/2026 | 11:46 |  |
| CHATGPT       | DALLE-3A64 | 15/12/2025 | 11:00 |  |
| CHATGPT       | DALLE-3A64 | 13/12/2025 | 11:00 |  |
| → CHATGPT     | DALLE-3A64 | 08/12/2025 | 11:00 |  |
| CHATGPT       | DALLE-3A64 | 06/12/2025 | 11:00 |  |
| CHATGPT       | DALLE-3A64 | 03/12/2025 | 11:00 |  |
| CHATGPT       | DALLE-3A64 | 01/12/2025 | 11:00 |  |
| CHATGPT       | DALLE-3A64 | 29/11/2025 | 11:00 |  |
| CHATGPT       | DALLE-3A64 | 26/11/2025 | 11:00 |  |

Data - CHATGPT · DALLE-3A64 · 08/12/2025 · 11:00...

Manage Page

Data

```
{
  "created": 1765188019,
  "data": [
    {
      "b64_json":
        "iVBORwOKGgoAAAANSUHEUgAABAAAAAQACAIAAADwf7zUAAA3DmNhQJgAADcO;
        "revised_prompt": "Create an image of a single-seater vehicle that allows for
        interstellar travel and bears a certain resemblance to a motorcycle. This spacecraft
        should combine design elements from traditional motorcycles, such as a seating
        position similar to a bike, handlebars for control, and an aerodynamic profile, with
        elements common to science fiction spacefaring vessels, like thrusters, perhaps
        holographic instrument panels, and a sleek, futuristic aesthetic."
    }
  ]
}
```

Close

Details Attachments (0)

Data

Data Content

```
{ "created": 1765188019, "data": [ { "b64_json":
  "iVBORwOKGgoAAAANSUHEUgAABAAAAAQACAIAAADwf7zUAA;
  "revised_prompt": "Create an image of a single-seater
  vehicle that allows for interstellar travel and bears a
  certain resemblance to a motorcycle. This spacecraft
  should combine design elements from traditional
  motorcycles, such as a seating position similar to a
  bike, handlebars for control, and an aerodynamic
  profile, with elements common to science fiction
  spacefaring vessels, like thrusters, perhaps
  holographic instrument panels, and a sleek,
  futuristic aesthetic." } ] }
```

Image

Single-seater laws for interstellar travel

Hours a certain of control

Seating position based on a bike

Begins composite possible holographic instrument panels

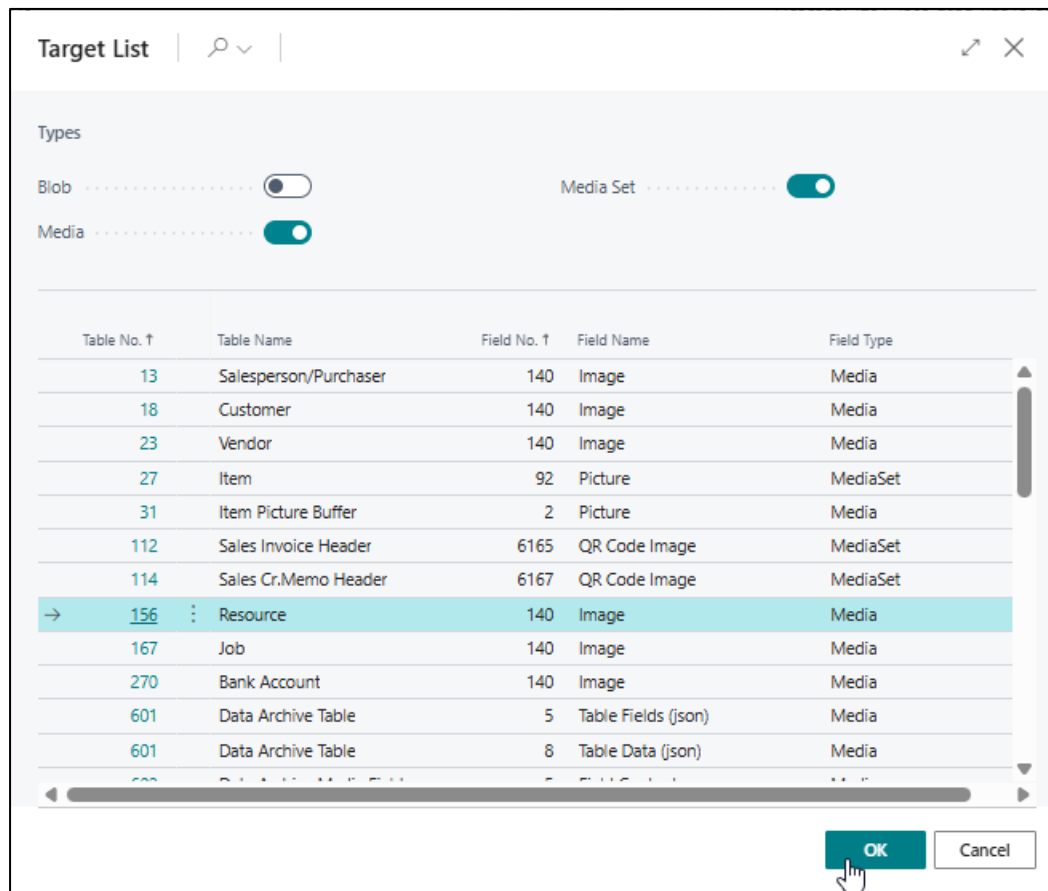
Reduces holographic instrument panels

The page also includes two subpages (FactBoxes) on the right:

- **Data (Data Content):** displays the raw data and also provides the **Zoom Data** option.
- **Image:** if the data includes a downloaded image, it will be displayed in this panel.

The available actions are:

- **Get Picture from Data Content:** refreshes the image viewer using the data contained in the upper panel (**Data**).
  - **Export Media Set:** downloads the image or video to our computer.
  - **Save in BC Table:** saves the image or video into a field of a table of our choice.
  - **Delete Picture:** removes the image from the viewer, but not from the data, so it can be recovered using the first action (**Get Picture from Data Content**).
- When executing the **Save in BC Table** action, the following page is displayed, where we first select the destination table and field.

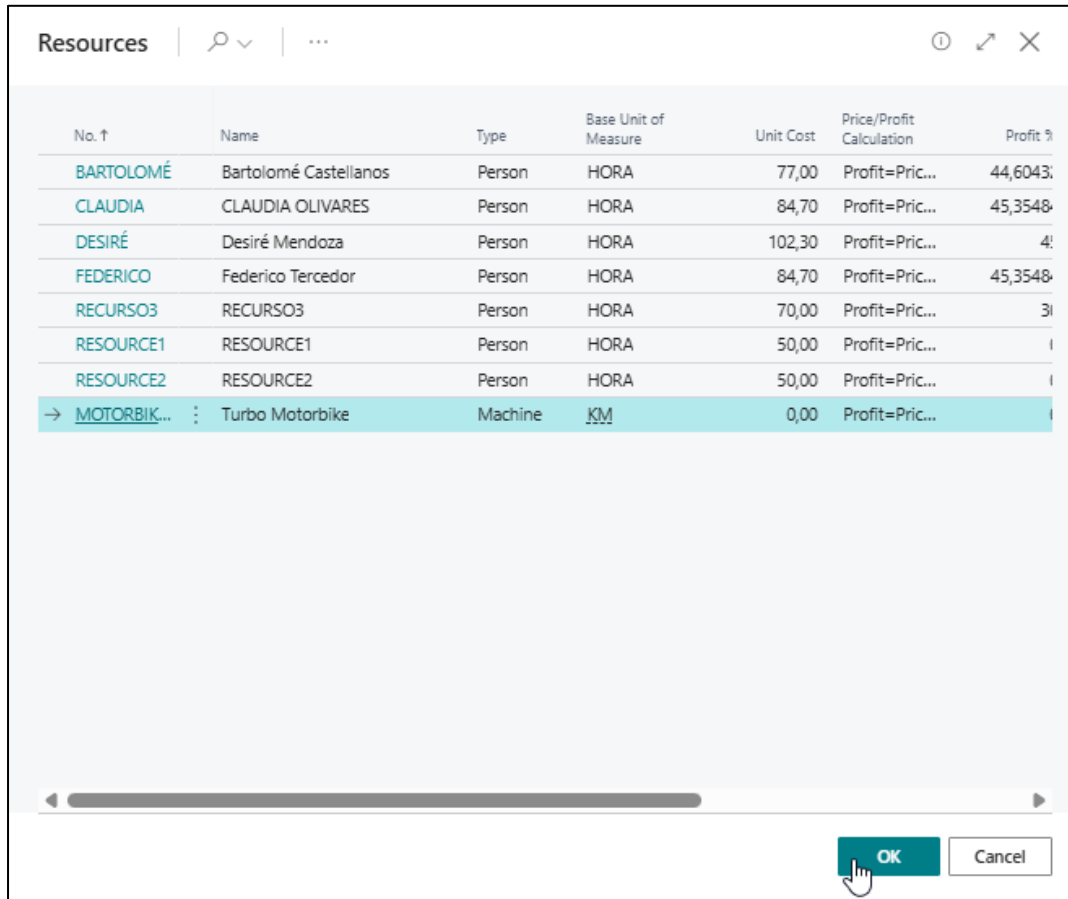


The field type filters allow us to make a more precise selection of the tables and fields in the lower section. By default, they are filtered according to the uConn configuration fields.

Once the previous selection has been made, we are prompted to choose the record of the selected table in which the image will be saved.

If a previous image already exists, we will be asked whether we want to overwrite it.

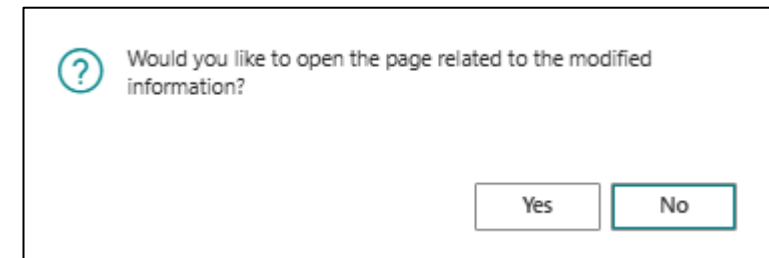
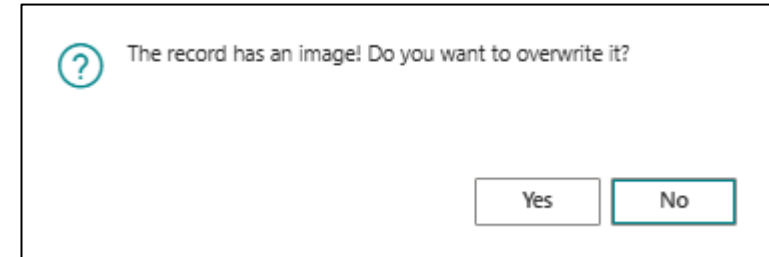
After the image has been saved, we will be asked whether we want to open the card of the modified record.



The screenshot shows a table titled 'Resources' with the following columns: No. ↑, Name, Type, Base Unit of Measure, Unit Cost, Price/Profit Calculation, and Profit %.

| No. ↑         | Name                  | Type    | Base Unit of Measure | Unit Cost | Price/Profit Calculation | Profit % |
|---------------|-----------------------|---------|----------------------|-----------|--------------------------|----------|
| BARTOLOMÉ     | Bartolomé Castellanos | Person  | HORA                 | 77,00     | Profit=Pric...           | 44,6043  |
| CLAUDIA       | CLAUDIA OLIVARES      | Person  | HORA                 | 84,70     | Profit=Pric...           | 45,3548  |
| DESIRÉ        | Desiré Mendoza        | Person  | HORA                 | 102,30    | Profit=Pric...           | 4!       |
| FEDERICO      | Federico Tercedor     | Person  | HORA                 | 84,70     | Profit=Pric...           | 45,3548  |
| RECURSO3      | RECURSO3              | Person  | HORA                 | 70,00     | Profit=Pric...           | 3!       |
| RESOURCE1     | RESOURCE1             | Person  | HORA                 | 50,00     | Profit=Pric...           | !        |
| RESOURCE2     | RESOURCE2             | Person  | HORA                 | 50,00     | Profit=Pric...           | !        |
| → MOTORBIK... | Turbo Motorbike       | Machine | KM                   | 0,00      | Profit=Pric...           | !        |

At the bottom right of the table, there are two buttons: 'OK' (highlighted with a mouse cursor) and 'Cancel'.



If we confirm, we will be taken to the record card.

Resource Card - MOTORBIKE4PIZZAS · Turbo Motorbike

Manage [Home](#) Resource Report Page | More options

Create Time Sheets...

### General

Show more

No. ..... MOTORBIKE4PIZZAS ...

Name ..... Turbo Motorbike

Type ..... Machine ▾

Base Unit of Measure ..... KM ▾

Search Name ..... TURBO MOTORBIKE

Resource Group No. .... ▾

Blocked .....

Last Date Modified ..... 05/01/2026

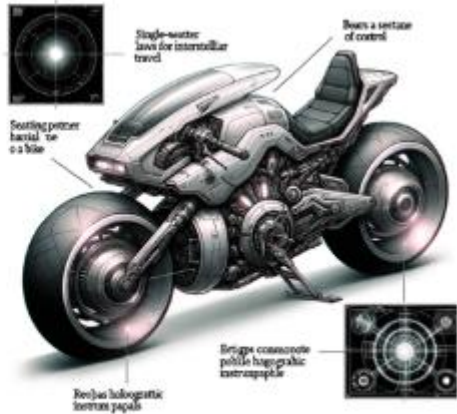
Use Time Sheet .....

Time Sheet Owner User ID .... ▾

### Details

Attachments (0)

#### Resource Picture



Single-waater laws for interstellar travel

Bases a section of control

Seating pincer facial te o a hite

Bridges cosmocrite pottle hysgrahic astroraphe

Revisas holographic interax papals

And the **Motorcycle** resource will now be ready for interplanetary pizza delivery.

In the unlikely event that a video has been generated, it can be viewed using the **Download – View Video** action in the **Image** panel. This action is only available if the **Is Video** column is enabled.

The screenshot shows a 'Receptions List' interface with a table of data and a right-hand panel. The table has columns: Provider Code, Api Code, Date, Time, Json label for Image., Is Video, Image Response, Processed, and Track. The row for 'CHATGPT' with 'VIDEOGET' is highlighted. The right-hand panel shows 'Details' and 'Attachments (0)'. The 'Data' section contains a hex string. The 'Image' section has a context menu open with options: 'Get Picture from Data Content', 'Export Media Set', 'Save in BC Table', 'Delete Picture', and 'Download - View Video'. A text box on the right says 'No preview available for media content type application/octet-stream.'

| Provider Code | Api Code   | Date ↓     | Time ↓   | Json label for Image. | Is Video                            | Image Response                      | Processed                | Track                                  |
|---------------|------------|------------|----------|-----------------------|-------------------------------------|-------------------------------------|--------------------------|--|
| MEWS          | BILLS      | 04/01/2026 | 0:37:21  |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {f8a41b7b-92fd-4198-9256-da179263a4bb} |
| MEWS          | BILLS      | 04/01/2026 | 0:34:00  |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {5ede5838-e5fc-45cf-bc63-bf9267a01096} |
| MEWS          | BILLS      | 04/01/2026 | 0:30:24  |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {7de401e1-940c-4574-9e36-057c0f9af48c} |
| CHATGPT       | CHATGPTS   | 03/01/2026 | 22:59:00 |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {3c34ef2f-01fa-42d6-89ad-b1083055be0d} |
| → CHATGPT     | VIDEOGET   | 03/01/2026 | 20:06:22 |                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {7088a4f6-4914-48ab-8121-0f3bd65964e3} |
| CHATGPT       | VIDEOMAKE  | 03/01/2026 | 20:03:16 |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {a05a8676-b6fc-48cc-bd80-6cdef948e1bb} |
| CHATGPT       | IMAGE-1    | 03/01/2026 | 19:20:37 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {93152062-63af-43cb-aef6-f940e86b29a3} |
| CHATGPT       | VIDEOGET   | 03/01/2026 | 12:29:06 |                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {67d48768-5fd9-4d60-9087-51ce7403e0af} |
| CHATGPT       | VIDEOMAKE  | 03/01/2026 | 12:27:52 |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {3be8ba6f-86bc-490b-abff-0f6ca7fa5fa4} |
| CHATGPT       | VIDEOGET   | 03/01/2026 | 11:46:40 |                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {4e5e5b3f-f284-4509-a03d-ffa84c4dac36} |
| CHATGPT       | DALLE-3A64 | 15/12/2025 | 11:00:25 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {03b819a9-0263-479c-8831-9854a3c48833} |
| CHATGPT       | DALLE-3A64 | 13/12/2025 | 11:00:22 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {da5906e8-4134-47b8-9c8c-b29af1ba2cf8} |
| CHATGPT       | DALLE-3A64 | 08/12/2025 | 11:00:20 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {c17f079e-d836-4b0d-b38d-7498ff8369c6} |
| CHATGPT       | DALLE-3A64 | 06/12/2025 | 11:00:23 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {f6fe2b55-bbeb-43e9-89d4-b8bb7656711f} |
| CHATGPT       | DALLE-3A64 | 03/12/2025 | 11:00:22 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {75552319-1fdf-46ea-8fc8-bffe9d8391ac} |
| CHATGPT       | DALLE-3A64 | 01/12/2025 | 11:00:20 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {f41a21e5-6dec-49c3-80e8-f9b0004553a}  |
| CHATGPT       | DALLE-3A64 | 29/11/2025 | 11:00:20 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {a778aa78-75f1-42de-abd0-0b0000000000} |
| CHATGPT       | DALLE-3A64 | 26/11/2025 | 11:00:21 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {f366064b-6790-4010-b748-f65000000000} |
|               |            |            |          |                       |                                     |                                     |                          | {7ece4389-d833-437b-8965-f20000000000} |
|               |            |            |          |                       |                                     |                                     |                          | {457c8db2-6f68-44df-b4a7-50f000000000} |
|               |            |            |          |                       |                                     |                                     |                          | {406735fe-cbb4-4d04-b0b8-ab0000000000} |
|               |            |            |          |                       |                                     |                                     |                          | {a81d4645-d341-4364-bb1c-fe0000000000} |
|               |            |            |          |                       |                                     |                                     |                          | {470b0161-d828-4034-8582-f471206d3da3} |
|               |            |            |          |                       |                                     |                                     |                          | {484d9760-8c2d-48b7-9da6-ac7e6d18a127} |
|               |            |            |          |                       |                                     |                                     |                          | {817ad485-5df8-4772-b4c5-fdf3d9a3b620} |

Normally, when we click on the browser download icon, the default video player of our operating system will open automatically.

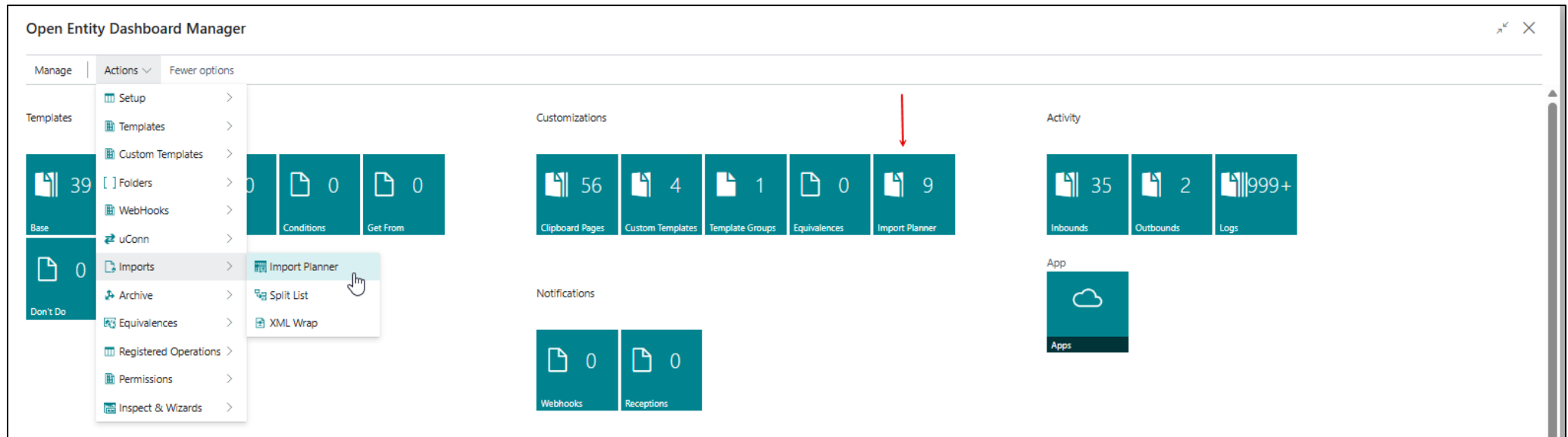
The screenshot shows a web browser window with a dark theme. The address bar shows a video file named "video (10).mp4" with a size of 2.2 MB and a duration of 2 minutes. Below the browser window, a table titled "Receptions List" is visible. The table has columns for Provider Code, Api Code, Date, Time, Json label for Image, Is Video, Image Response, Processed, and Track. The row for "CHATGPT" with "VIDEOGET" as the Api Code is highlighted. A red arrow points from the download icon in the browser's top bar to the video player window in the foreground. The video player window is titled "Reproductor multimedia" and shows a video of a small, rusty robot sitting on a workbench. The video player has a progress bar at the bottom showing 0:00:00 and 0:00:12, and a title "video (9)".

| Provider Code | Api Code   | Date ↓     | Time ↓   | Json label for Image. | Is Video                            | Image Response                      | Processed                | Track                                  |
|---------------|------------|------------|----------|-----------------------|-------------------------------------|-------------------------------------|--------------------------|--|
| MEWS          | BILLS      | 04/01/2026 | 0:37:21  |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {f8a41b7b-92fd-4198-9256-da179263a4bb} |
| MEWS          | BILLS      | 04/01/2026 | 0:34:00  |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {5ede5838-e5fc-45cf-bc63-bf9267a01096} |
| MEWS          | BILLS      | 04/01/2026 | 0:30:24  |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {7de401e1-940c-4574-9e36-057c0f9af48c} |
| CHATGPT       | CHATGPT5   | 03/01/2026 | 22:59:00 |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {3...}                                 |
| → CHATGPT     | VIDEOGET   | 03/01/2026 | 20:06:22 |                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {7...}                                 |
| CHATGPT       | VIDEOMAKE  | 03/01/2026 | 20:03:16 |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {8...}                                 |
| CHATGPT       | IMAGE-1    | 03/01/2026 | 19:20:37 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {9...}                                 |
| CHATGPT       | VIDEOGET   | 03/01/2026 | 12:29:06 |                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {6...}                                 |
| CHATGPT       | VIDEOMAKE  | 03/01/2026 | 12:27:52 |                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {3...}                                 |
| CHATGPT       | VIDEOGET   | 03/01/2026 | 11:46:40 |                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | {4...}                                 |
| CHATGPT       | DALLE-3A64 | 15/12/2025 | 11:00:25 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {0...}                                 |
| CHATGPT       | DALLE-3A64 | 13/12/2025 | 11:00:22 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {c...}                                 |
| CHATGPT       | DALLE-3A64 | 08/12/2025 | 11:00:20 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {c...}                                 |
| CHATGPT       | DALLE-3A64 | 06/12/2025 | 11:00:23 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {f...}                                 |
| CHATGPT       | DALLE-3A64 | 03/12/2025 | 11:00:22 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {7...}                                 |
| CHATGPT       | DALLE-3A64 | 01/12/2025 | 11:00:20 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {f...}                                 |
| CHATGPT       | DALLE-3A64 | 29/11/2025 | 11:00:20 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {a...}                                 |
| CHATGPT       | DALLE-3A64 | 26/11/2025 | 11:00:21 | b64_json              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | {f...}                                 |

## IMPORT PLANNER

With **Import Planner**, we can create a set of imports that can be executed either periodically or on demand by users from their utilities list in the **Open Entity** dashboard.

We can access this module from **Actions > Import > Import Planner** or from the corresponding **cue** on the page.



The Import Planner page is displayed with the following fields:

- **Code:** enter a code of your choice.
- **Provider:** select one of the configured uConn providers.
- **API:** the API of the previously selected provider with which we want to interact.
- **Description:** a brief description of what the API does, for example.
- **Close (Launcher):** tells the import launcher to automatically close once its action has been completed.
- **Order:** simply sorts the planner lines according to our preference.
- **Type:** the type of template(s) that will import the data. It can be **Split** (multiple templates) or **Base** (a single template).
- **Enabled:** enables or disables the import.
- **Receptions:** the number of imports performed by the API. We can navigate to their data (uConn Reception List) by clicking on its value.

Dynamics 365 Business Central

Environment: OpenEntity\_Demo

OE Import Planner

Get Data Get Parameters from uConn Get Body from uConn Make Template uConn Test Launcher

| Code         | Provider | Api         | Description                            | Close (Launcher)                    | Order ↑ | Type  | Import Template | Enabled                             | Receptions |
|--------------|----------|-------------|--|-------------------------------------|---------|-------|-----------------|-------------------------------------|------------|
| DATAHOTEL    | PMS      | IMPORT      | Data from PMS Api Accounting           | <input checked="" type="checkbox"/> | 10      | Split | PMSTEST         | <input checked="" type="checkbox"/> | 0          |
| HOTELSII     | PMS      | INVOICESII2 | Get the SII Data of the Hotel Invoices | <input checked="" type="checkbox"/> | 20      | Base  | PMSSII          | <input checked="" type="checkbox"/> | 3          |
| CHATGPT      |          |             | Ask something to ChatGpt 4             | <input type="checkbox"/>            | 30      | Base  | JJJ             | <input type="checkbox"/>            | 1          |
| DALLE-3-A    |          |             | Get a AI Image based on the prompt     | <input type="checkbox"/>            | 40      | Base  | DALLETSTMKTEMP  | <input type="checkbox"/>            | 54         |
| DALLE-3-B    |          |             | Get my prompted image                  | <input type="checkbox"/>            | 50      | Base  | DALLETSTMKTEMP  | <input type="checkbox"/>            | 14         |
| GOOGLESTATIC |          |             | Get a map picture                      | <input type="checkbox"/>            | 60      | Base  |                 | <input type="checkbox"/>            | 43         |
| MEWSBILL     |          |             | Get the Bills                          | <input checked="" type="checkbox"/> | 70      | Base  | MEWSBILL        | <input checked="" type="checkbox"/> | 5          |

Parameters

| Parameter Name | Parameter Value | Formula   | Date Format | Order ↑ | Name for Launcher | Launcher                            | Mandatory (Launcher)                | Enabled                             |
|----------------|-----------------|-----------|-------------|---------|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| from           |                 | today;-1D | 9           | 10      | From Date         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| to             |                 | today;-1D | 9           | 20      | To Date           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Body

| Body | Order ↑ | Name for Launcher | Launcher                 | Mandatory (Launcher)     |
|------|---------|-------------------|--------------------------|--------------------------|
|      | 0       |                   | <input type="checkbox"/> | <input type="checkbox"/> |

javascript;

The remaining sections are identical to those of the **uConn** module. Data can be entered manually or by executing the actions in the top bar, **Get Parameters from uConn** and/or **Get Body from uConn**. These two actions copy the parameter lines and the body of the API respectively from uConn to the planning line, saving us some work.

The **Parameters** section is almost the same as in uConn, although the **Formula** column has been added to allow date calculations. It is related to the **Date Format** column, which formats the date and sends it to the API using the selected format. For example, '9' → '2026-01-31'.

**Parameter Value:** entry of a fixed value. The **Formula** field is cleared if any value is entered.

**Order:** allows us to sort the parameter lines according to our preference.

Next, there are three fields related to the **Import Launcher**:

- **Name for Launcher**: field label that will appear in the Launcher.
- **Launcher**: indicates that this parameter must appear in the Launcher.
- **Mandatory (Launcher)**: indicates that if this field is not filled in the Launcher, execution will not be allowed.

Finally:

- **Enabled**: enables or disables whether the parameter line is taken into account when the API call is executed.



### **Body section**







Also similar to uConn.

- **Body**: we enter our JSON text.
- **Order**: we sort the body lines according to our preference.

The fields **Name for Launcher**, **Launcher**, and **Mandatory (Launcher)** are identical to those in the **Parameters** section.

With the **Test Launcher** action, we can test the launcher. If parameters and/or the body have been configured to be modifiable from it, we can change their values in the **Launcher** column.





OE Import Planner ✓ Saved  




+ New
Edit List
Delete
Get Data
Get Parameters from uConn
Get Body from uConn
Make Template
uConn
Test Launcher
More options




| Code            | Provider    | Api         | Description                            | Close (Launcher)                    | Order ↑ | Type  | Import Template | Enabled                             | Receptions |
|-----------------|-------------|-------------|--|-------------------------------------|---------|-------|-----------------|-------------------------------------|------------|
| → IMAGELOGISTIC | ⋮ CHATGPT   | IMAGE-1     | Logistic Company                       | <input type="checkbox"/>            | 0       | Base  |                 | <input checked="" type="checkbox"/> | 2          |
| DATAHOTEL       | PMS         | IMPORT      | Data from PMS Api Accounting           | <input checked="" type="checkbox"/> | 10      | Split | PMSTEST         | <input checked="" type="checkbox"/> | 0          |
| HOTELSII        | PMS         | INVOICESII2 | Get the SII Data of the Hotel Invoices | <input checked="" type="checkbox"/> | 20      | Base  | PMSSII          | <input checked="" type="checkbox"/> | 3          |
| CHATGPT         | CHATGPT     | CHATGPT5    | Ask something to ChatGpt 4             | <input type="checkbox"/>            | 30      | Base  | JJJ             | <input type="checkbox"/>            | 1          |
| DALLE-3-A       | CHATGPT     | DALLE-3A64  | Get a AI Image based on the prompt     | <input type="checkbox"/>            | 40      | Base  | DALLETESTMKTEMP | <input checked="" type="checkbox"/> | 55         |
| DALLE-3-B       | CHATGPT     | DALLE-3B64  | Get my prompted image                  | <input type="checkbox"/>            | 50      | Base  | DALLETESTMKTEMP | <input type="checkbox"/>            | 14         |
| GOOGLESTATIC    | GOOGLE MAPS | STATICMAP   | Get a map picture                      | <input type="checkbox"/>            | 60      | Base  |                 | <input type="checkbox"/>            | 43         |
| MEWSBILL        | MEWS        | BILLS       | Get the Bills                          | <input checked="" type="checkbox"/> | 70      | Base  | MEWSBILL        | <input checked="" type="checkbox"/> | 5          |
| MEWSINVOICE     | MEWS        | ORDERITEMS  | Get the Invoices                       | <input type="checkbox"/>            | 80      | Base  | MEWSINVOICE     | <input checked="" type="checkbox"/> | 2          |
| MEWSCUSTOMERS   | MEWS        | CUSTOMERS   | Get the Customers                      | <input type="checkbox"/>            | 90      | Base  | MEWSCUSTOMERS   | <input type="checkbox"/>            | 3          |

Parameters >

---



Body  New Line  Delete Line  Open Body 
















| Body  | Order ↑ | Name for Launcher | Launcher                            | Mandatory (Launcher)                |
|---|---------|-------------------|-------------------------------------|-------------------------------------|
| {   | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| "model": "gpt-image-1",   | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| → "prompt": "una oficina super tecnologica con varios programadores dedicados a programar en busin... ⋮ | 0       | Prompt ->         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| "size": "1024x1024",  | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| "background": "transparent"   | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| }   | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |

If the **Close (Launcher)** option on the import line is enabled, the Launcher will close after executing the **Launch** action. Otherwise, it will remain open.

Keeping the Launcher open is very useful, for example, when an image is being generated and we want to review it before it is imported or saved (dropdown menu in the **Image** panel). It also gives us the option to request a new one with a new **launch**.

Executing **Test Launcher** to generate an image:





OE Import Planner ✓ Saved  




 New
 Edit List
 Delete
 Get Data
 Get Parameters from uConn
 Get Body from uConn
 Make Template
 uConn
 Test Launcher
More options   

| Code            | Provider    | Api         | Description                            | Close (Launcher)                    | Order ↑ | Type  | Import Template | Enabled                             | Receptions |
|-----------------|-------------|-------------|--|-------------------------------------|---------|-------|-----------------|-------------------------------------|------------|
| → IMAGELOGISTIC | CHATGPT     | IMAGE-1     | Logistic Company                       | <input type="checkbox"/>            | 0       | Base  |                 | <input checked="" type="checkbox"/> | 2          |
| DATAHOTEL       | PMS         | IMPORT      | Data from PMS Api Accounting           | <input checked="" type="checkbox"/> | 10      | Split | PMSTEST         | <input checked="" type="checkbox"/> | 0          |
| HOTELSII        | PMS         | INVOICESII2 | Get the SII Data of the Hotel Invoices | <input checked="" type="checkbox"/> | 20      | Base  | PMSSII          | <input checked="" type="checkbox"/> | 3          |
| CHATGPT         | CHATGPT     | CHATGPT5    | Ask something to ChatGpt 4             | <input type="checkbox"/>            | 30      | Base  | JJJ             | <input type="checkbox"/>            | 1          |
| DALLE-3-A       | CHATGPT     | DALLE-3A64  | Get a AI Image based on the prompt     | <input type="checkbox"/>            | 40      | Base  | DALLETSTMKTEMP  | <input checked="" type="checkbox"/> | 55         |
| DALLE-3-B       | CHATGPT     | DALLE-3B64  | Get my prompted image                  | <input type="checkbox"/>            | 50      | Base  | DALLETSTMKTEMP  | <input type="checkbox"/>            | 14         |
| GOOGLESTATIC    | GOOGLE MAPS | STATICMAP   | Get a map picture                      | <input type="checkbox"/>            | 60      | Base  |                 | <input type="checkbox"/>            | 43         |
| MEWSBILL        | MEWS        | BILLS       | Get the Bills                          | <input checked="" type="checkbox"/> | 70      | Base  | MEWSBILL        | <input checked="" type="checkbox"/> | 5          |
| MEWSINVOICE     | MEWS        | ORDERITEMS  | Get the Invoices                       | <input type="checkbox"/>            | 80      | Base  | MEWSINVOICE     | <input checked="" type="checkbox"/> | 2          |
| MEWSCUSTOMERS   | MEWS        | CUSTOMERS   | Get the Customers                      | <input type="checkbox"/>            | 90      | Base  | MEWSCUSTOMERS   | <input type="checkbox"/>            | 3          |

Parameters >

---

Body  New Line  Delete Line  Open Body 

| Body   | Order ↑ | Name for Launcher | Launcher                            | Mandatory (Launcher)                |
|--|---------|-------------------|-------------------------------------|-------------------------------------|
| {  | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| "model": "gpt-image-1",  | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| → "prompt": "una oficina super tecnologica con varios programadores dedicados a programar en busin..." | 0       | Prompt ->         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| "size": "1024x1024",   | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| "background": "transparent"  | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| }  | 0       |                   | <input type="checkbox"/>            | <input type="checkbox"/>            |

### OE Import Launcher

Edit List Launch

Template

Code ..... IMAGELOGISTIC      Description ..... Logistic Company

---

OE Parameters-Body | Open Body

| Name        | Value | Type | Mandat... (Launch...)               |
|-------------|-------|------|-------------------------------------|
| → Prompt -> | :     | Body | <input checked="" type="checkbox"/> |

### Body Launcher

Manage

---

Data

a logistics company with vehicles and operators

### OE Import Launcher

Notifications: 2 *The Get Data was successful! | The action was executed correctly!*

Edit List Launch

Template

Code ..... IMAGELOGISTIC      Description ..... Logistic Company

---

OE Parameters-Body | Open Body


| Name        | Value | Type  | Mandatory (Launcher)                |
|-------------|-------|---|-------------------------------------|
| → Prompt -> | :     | a logistics company with vehicles and operators | <input checked="" type="checkbox"/> |

Data Content

```
{ "created": 1768352559, "background": "transparent", "data": [ { "b64_json": "TVBORwOKGgoAAAAANSUhEUgAABAAAAAQAC" } ], "output_format": "png", "quality": "high", "size": "1024x1024", "usage": { "input_tokens": 13, "input_tokens_details": { "image_tokens": 0, "text_tokens": 13 }, "output_tokens": 4160, "total_tokens": 4173 } }
```

Image

- Get Picture from Data Content
- Export Media Set
- Save in BC Table
- Delete Picture



Close

Launcher with parameters (SII data):

The image shows two overlapping windows from a software application. The background window is titled "OE Import Launcher" and contains a notification bar at the top with the text "Notifications: 2 The Get Data was successful! | The action was executed correctly!". Below the notification are buttons for "Edit List" and "Launch". The main area is divided into sections: "Template" with fields for "Code" (HOTELSII) and "Description" (Get the SII Data of the Hotel Invoic...); "OE Parameters-Body" with an "Open Body" button; and a table with columns "Name" and "Value". The table has two rows: "From Date" with value "2026-01-01" and "To Date" with value "2026-01-01". A "Zoom Data" tooltip is visible over the "Data" section, which shows a JSON array of objects. The foreground window is titled "Data - PMS · INVOICESII2 · 09/01/2026 · 2:35:38,9..." and displays a detailed view of the JSON data from the tooltip. It includes a "Close" button at the bottom right.

| Name      | Value      |
|-----------|------------|
| From Date | 2026-01-01 |
| To Date   | 2026-01-01 |

```
[{"id": 14647, "centro": " ", "procesada": null, "ftraspaso": "2026-01-09", "nombre": " ", "nif": " ", "tipocomuni": "A0", "ejercicio": "2026", "periodo": "01", "nifEmisor": " ", "numfactura": "748070", "numfactur": "748089", "fexpedi": "2026-01-01", "tipofac": "F4", "tiporect": null, "baserect": null, "cuotarect": null, "cuotarere": null, "foperacio": "2026-01-01", "clavereg": "01", "clave1": null, "clave2": null, "numregacu": null, "imptotal": 876.750000, "basecoste": null, "impTras": null, "terceros": null, "variosDes": null, "cupon": null, "idnif": "XXX", "idNombre": "CONTADOS TPV", "idPais": "ES", "idType": "00", "tipodesglo": "F", "suFBase": 0.000000, "suFCausa": null}
```

If both types are present, parameters and body, the fields will be combined in the Launcher, starting with the **Parameter** type and followed by the **Body** fields.

Once the Launcher has been executed, regardless of whether it is closed automatically or manually, if there is a template specified in the **Import Template** column and the **Enabled** column is activated, the data will be processed using either the base template or the set of **Split** templates that have been configured, depending on the defined **Type**.

The **Get Data** action on the **Import Planner** page executes the call according to its current configuration and imports the data if an import template has been configured. The data is always stored in the **uConn Receptions List**, and the **Receptions** column reflects the number of receptions for each API.

The **uConn** action simply opens the **uConn Dashboard Manager** directly, without the need to go back to the Open Entity dashboard to navigate to it.

Finally, the **Make Template** action automatically creates an import template using the data received from the API. The received data is always stored in the **Open Entity application inbox** after the template has been created.

OE Import Planner

+ New Edit List Delete **Get Data** Get Parameters from uConn Get Body from uConn **Make Template** **uConn** Test Launcher More options

| Code         | Provider    | Api         | Description                         | Close (Lau...                       | Order ↑ | Type  | Import Template | Ena...                              | Receptions |
|--------------|-------------|-------------|-------------------------------------|-------------------------------------|---------|-------|-----------------|-------------------------------------|------------|
| IMAGELOGI... | CHATGPT     | IMAGE-1     | Logistic Company                    | <input type="checkbox"/>            | 0       | Base  |                 | <input checked="" type="checkbox"/> | 3          |
| DATAHOTEL    | PMS         | IMPORT      | Data from PMS Api Accounting        | <input checked="" type="checkbox"/> | 10      | Split | PMSTEST         | <input checked="" type="checkbox"/> | 0          |
| HOTELSII     | PMS         | INVOICESII2 | Get the SII Data of the Hotel In... | <input type="checkbox"/>            | 20      | Base  | PMSSII          | <input checked="" type="checkbox"/> | 6          |
| CHATGPT      | CHATGPT     | CHATGPT5    | Ask something to ChatGpt 4          | <input type="checkbox"/>            | 30      | Base  | JJJ             | <input type="checkbox"/>            | 1          |
| DALLE-3-A    | CHATGPT     | DALLE-3A64  | Get a AI Image based on the p...    | <input type="checkbox"/>            | 40      | Base  | DALLETESTM...   | <input checked="" type="checkbox"/> | 55         |
| DALLE-3-B    | CHATGPT     | DALLE-3B64  | Get my prompted image               | <input type="checkbox"/>            | 50      | Base  | DALLETESTM...   | <input type="checkbox"/>            | 14         |
| GOOGLEST...  | GOOGLE MAPS | STATICMAP   | Get a map picture                   | <input type="checkbox"/>            | 60      | Base  |                 | <input type="checkbox"/>            | 43         |
| MEWSBILL     | MEWS        | BILLS       | Get the Bills                       | <input checked="" type="checkbox"/> | 70      | Base  | MEWSBILL        | <input checked="" type="checkbox"/> | 5          |
| → MEWSINV... | MEWS        | ORDERITEMS  | Get the Invoices                    | <input type="checkbox"/>            | 80      | Base  | MEWSINVOICE     | <input checked="" type="checkbox"/> | 2          |
| MEWSCUST...  | MEWS        | CUSTOMERS   | Get the Customers                   | <input type="checkbox"/>            | 90      | Base  | MEWSCUSTO...    | <input type="checkbox"/>            | 3          |

## **MAKE TEMPLATE (Imports)**

The **Make Template** action first performs an API call, in the same way as **Get Data**. Once the information or data is received, it analyzes it and creates the required structure, saving it as an import template.

### **Template Types**

- **Base:** consists of a single template for the received data.
- **Split:** the information structure is so complex that we decide to section or divide it into multiple templates.

In some cases, APIs include all the information in a single payload, which makes it very difficult to manage. For example, APIs that include customers, vendors, invoicing, payments, credits, and similar data in a single data package.

With the **Split** type, a template is created for each section of the data, one template for customers, another for vendors, and so on. When the data is imported, **Open Entity** redirects each block of information to its corresponding template.

## MAKE TEMPLATE (BASE)

For a template configured as **Base** type and with the correct connection data, click **Make Template**.

The screenshot shows the OE Import Planner interface. The top toolbar includes buttons for '+ New', 'Edit List', 'Delete', 'Get Data', 'Get Parameters from uConn', 'Get Body from uConn', 'Make Template' (highlighted with a red arrow), 'uConn', and 'Test Launcher'. Below the toolbar is a table with columns: Code, Provider, Api, Description, Close (Launcher), Order ↑, Type, Import Template, Enabled, and Receptions. The 'MEWSINVOICE' row is highlighted with a red box. Below the table is the 'Parameters' section, and the 'Body' section shows a JSON structure. An 'OE Archive Dialog' is open, prompting for a 'New Template Code' with 'NEWMEMSinVOICE' entered. The dialog has 'OK' and 'Cancel' buttons.

| Code          | Provider    | Api         | Description                            | Close (Launcher)                    | Order ↑ | Type  | Import Template | Enabled                             | Receptions |
|---------------|-------------|-------------|--|-------------------------------------|---------|-------|-----------------|-------------------------------------|------------|
| IMAGELOGISTIC | CHATGPT     | IMAGE-1     | Logistic Company                       | <input type="checkbox"/>            | 0       | Base  |                 | <input checked="" type="checkbox"/> | 3          |
| DATAHOTEL     | PMS         | IMPORT      | Data from PMS Api Accounting           | <input checked="" type="checkbox"/> | 10      | Split | PMSTEST         | <input checked="" type="checkbox"/> | 0          |
| HOTELSII      | PMS         | INVOICESII2 | Get the SII Data of the Hotel Invoices | <input type="checkbox"/>            | 20      | Base  | PMSII           | <input checked="" type="checkbox"/> | 6          |
| CHATGPT       | CHATGPT     | CHATGPT5    | Ask something to ChatGpt 4             | <input type="checkbox"/>            | 30      | Base  | JJJ             | <input type="checkbox"/>            | 1          |
| DALLE-3-A     | CHATGPT     | DALLE-3A64  | Get a AI Image based on the prompt     | <input type="checkbox"/>            | 40      | Base  | DALLETESTMKTEMP | <input checked="" type="checkbox"/> | 55         |
| DALLE-3-B     | CHATGPT     | DALLE-3B64  | Get my prompted image                  | <input type="checkbox"/>            | 50      | Base  | DALLETESTMKTEMP | <input type="checkbox"/>            | 14         |
| GOOGLESTATIC  | GOOGLE MAPS | STATICMAP   | Get a map picture                      | <input type="checkbox"/>            | 60      | Base  |                 | <input type="checkbox"/>            | 43         |
| MEWSBILL      | MEWS        | BILLS       | Get the Bills                          | <input checked="" type="checkbox"/> | 70      | Base  | MEWSBILL        | <input checked="" type="checkbox"/> | 5          |
| → MEWSINVOICE | MEWS        | ORDERITEMS  | Get the Invoices                       | <input type="checkbox"/>            | 80      | Base  |                 | <input checked="" type="checkbox"/> | 2          |
| MEWSCUSTOMERS | MEWS        | CUSTOMERS   | Get the Customers                      | <input type="checkbox"/>            | 90      | Base  | MEWSCUSTOMERS   | <input type="checkbox"/>            | 3          |

Parameters >

Body | New Line | Delete Line | Open Body

| Body   | Order ↑ | Name for Launcher | Launcher                 | Mandatory (Launcher)     |
|--|---------|-------------------|--------------------------|--------------------------|
| → {  | 0       |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| "ClientToken": "E0D439EE522F44368DC78E1BFB03710C-D24FB11DBE31D4621C4817E028D9E1D", | 0       |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| "AccessToken": "C66EF7B239D24632943D115EDE9CB810-EA00F8FD8294692C940F6B5A8F9453D", | 0       |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| "Client": "Nomadaware-BC-Connector/1.0",   |         |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| "CreatedUtc": {  |         |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| "StartUtc": "2023-03-01T00:00:00Z",  |         |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| "EndUtc": "2023-03-31T00:00:00Z"   |         |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| },   |         |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| "AccountingStates": [  |         |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| "Closed"   |         |                   | <input type="checkbox"/> | <input type="checkbox"/> |
| },   |         |                   | <input type="checkbox"/> | <input type="checkbox"/> |

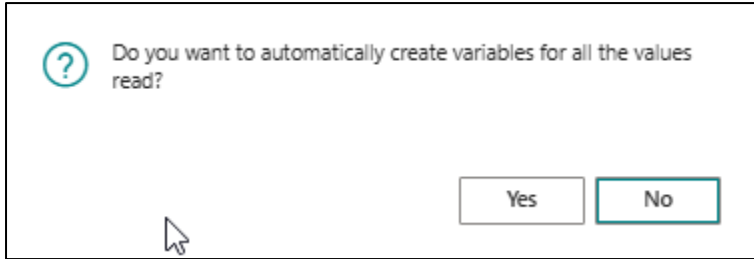
### OE Archive Dialog

New Template Code .....

We will be prompted to enter a new template name. If we enter a code that already exists, we will be notified and the action will be cancelled.

It also does not matter if there is already an import template specified in the **Import Template** column. It will be kept as the base template, and the column value will be replaced with the new code.

After entering the new code, we will be asked whether we want to automatically create the variables for its fields (read data).



After this, it will attempt to connect to the API and read its data, and then complete the creation of the import structure.

| Code          | Provider    | Api         | Description                            | (Launcher)                          | Order ↑ | Type  | Import Template | Enabled                             | Receptions |
|---------------|-------------|-------------|--|-------------------------------------|---------|-------|-----------------|-------------------------------------|------------|
| IMAGELOGISTIC | CHATGPT     | IMAGE-1     | Logistic Company                       | <input type="checkbox"/>            | 0       | Base  |                 | <input checked="" type="checkbox"/> | 3          |
| DATAHOTEL     | PMS         | IMPORT      | Data from PMS Api Accounting           | <input checked="" type="checkbox"/> | 10      | Split | PMSTEST         | <input checked="" type="checkbox"/> | 0          |
| HOTELSII      | PMS         | INVOICESII2 | Get the SII Data of the Hotel Invoices | <input type="checkbox"/>            | 20      | Base  | PMSSII          | <input checked="" type="checkbox"/> | 6          |
| CHATGPT       | CHATGPT     | CHATGPT5    | Ask something to ChatGpt 4             | <input type="checkbox"/>            | 30      | Base  | JJJ             | <input type="checkbox"/>            | 1          |
| DALLE-3-A     | CHATGPT     | DALLE-3A64  | Get a AI Image based on the prompt     | <input type="checkbox"/>            | 40      | Base  | DALLETESTMKTEMP | <input checked="" type="checkbox"/> | 55         |
| DALLE-3-B     | CHATGPT     | DALLE-3B64  | Get my prompted image                  | <input type="checkbox"/>            | 50      | Base  | DALLETESTMKTEMP | <input type="checkbox"/>            | 14         |
| GOOGLESTATIC  | GOOGLE MAPS | STATICMAP   | Get a map picture                      | <input type="checkbox"/>            | 60      | Base  |                 | <input type="checkbox"/>            | 43         |
| MEWSBILL      | MEWS        | BILLS       | Get the Bills                          | <input checked="" type="checkbox"/> | 70      | Base  | MEWSBILL        | <input checked="" type="checkbox"/> | 5          |
| → MEWSINVOICE | MEWS        | ORDERITEMS  | Get the Invoices                       | <input type="checkbox"/>            | 80      | Base  | NEWMEMSINVOICE  | <input checked="" type="checkbox"/> | 3          |
| MEWSCUSTOMERS | MEWS        | CUSTOMERS   | Get the Customers                      | <input type="checkbox"/>            |         |       |                 | <input type="checkbox"/>            | 3          |

| Code                | Source Table ID |
|---------------------|-----------------|
| → NEWMEMSINVOICE    | 0               |
| NU                  | 0               |
| PMSSII              | 0               |
| PRUEBANAMESPACEMAKE | 0               |
| SIITEST             | 0               |
| + New               |                 |

Parameters >

Body | New Line | Delete Line | Open Body

Show details | Select from full list

We can view the **Base Template** and its structure either by navigating through **Select from full list** or **Show details** from the **Import Template** dropdown field, or by navigating to the **Open Entity Base Templates** list.

## NEWMEMSINVOICE

Copy-Paste
Export Data
Excel
Run Process
Save File
Archive
Copy Template
Rename Duplicated Tags
Make Import Rule
Permission
Run Codeunits
Vars & Formulas

### General

Code .....

Source Table ID .....

Source Name .....

Description .....

Operation .....

Table Trigger .....

Permissions .....

Run Codeunit .....

Allow Requests .....

Enabled .....

Use-Create Equivalence .....

Folder .....

Template Use .....

Archive Use .....

Imports Use (Base Templat... ..

Imports Use (Split Templat... ..

Lines | New Line Delete Line Use Key Clear Key Excel Header Excel Line ◀ ▶ Indent ↗ ↘

| Target Table ID | Target Table Name | Indentation | Related Table ID | Tag            | Operation | Don't Do if | Table Trig...            | Key | Fields | Formu... | Filters | Fusion |
|-----------------|-------------------|-------------|------------------|----------------|-----------|-------------|--------------------------|-----|--------|----------|---------|--------|
| 72139624        | NOW Import Buffer | 0           | 0                | OrderItems     | Only Read |             | <input type="checkbox"/> |     | 27     | No       | 0       | No     |
| → 72139624      | NOW Import Buffer | 2           | 72139624         | UnitAmount     | Only Read |             | <input type="checkbox"/> |     | 2      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 4           | 72139624         | TaxValues      | Only Read |             | <input type="checkbox"/> |     | 0      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 4           | 72139624         | Breakdown      | Only Read |             | <input type="checkbox"/> |     | 3      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 6           | 72139624         | Items          | Only Read |             | <input type="checkbox"/> |     | 3      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 2           | 72139624         | Amount         | Only Read |             | <input type="checkbox"/> |     | 2      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 4           | 72139624         | TaxValues1     | Only Read |             | <input type="checkbox"/> |     | 0      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 4           | 72139624         | Breakdown1     | Only Read |             | <input type="checkbox"/> |     | 3      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 6           | 72139624         | Items1         | Only Read |             | <input type="checkbox"/> |     | 3      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 2           | 72139624         | OriginalAmount | Only Read |             | <input type="checkbox"/> |     | 2      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 4           | 72139624         | TaxValues2     | Only Read |             | <input type="checkbox"/> |     | 0      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 4           | 72139624         | Breakdown2     | Only Read |             | <input type="checkbox"/> |     | 3      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 6           | 72139624         | Items2         | Only Read |             | <input type="checkbox"/> |     | 1      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 2           | 72139624         | Options        | Only Read |             | <input type="checkbox"/> |     | 4      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 2           | 72139624         | Data           | Only Read |             | <input type="checkbox"/> |     | 4      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 4           | 72139624         | Product        | Only Read |             | <input type="checkbox"/> |     | 2      | No       | 0       | No     |
| 72139624        | NOW Import Buffer | 4           | 72139624         | Rebate         | Only Read |             | <input type="checkbox"/> |     |        |          |         |        |

An Open Entity table called **NOW Import Buffer** is used as a temporary data storage. The **Tags** represent the names of the data structured by the logical sections of the API, either JSON or XML. Finally, by accessing the **Fields** column, we can view its fields and variables, if they have been created automatically.

TableData - 72139624

OE Field Lines | + New | Edit List | Delete | Delete All | Get & Enabled All | Enabled All | Disable All | Check Duplicates | Enabled Selected | Disable Selected | Check formulas | More options

| Field ID | Field Name | Tag                        | Order | Series No. | Get Serie When | Get From | Field Value | Mapping (Imports) | Ena... Map               | Variable Id                    | Send when Run Cod...     | Formula | Condi... | Ign... For...            | Et |
|----------|------------|----------------------------|-------|------------|----------------|----------|-------------|-------------------|--------------------------|--------------------------------|--------------------------|---------|----------|--------------------------|----|
| 1        | A          | Id                         | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | Id@0002                        | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 2        | B          | Enterpriseld               | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | Enterpriseld@0003              | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 3        | C          | Accountld                  | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | Accountld@0004                 | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 4        | D          | AccountType                | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | AccountType@0005               | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 5        | E          | ServiceId                  | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | ServiceId@0006                 | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 6        | F          | ServiceOrderId             | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | ServiceOrderId@0007            | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 7        | G          | Notes                      | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | Notes@0008                     | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 8        | H          | BillId                     | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | BillId@0009                    | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 9        | I          | AccountingCategoryId       | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | AccountingCategoryId@0010      | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 10       | J          | BillingName                | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | BillingName@0011               | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 11       | K          | ExternalIdentifier         | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | ExternalIdentifier@0012        | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 12       | L          | UnitCount                  | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | UnitCount@0013                 | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 13       | M          | RevenueType                | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | RevenueType@0014               | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 14       | N          | CreatorProfileId           | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | CreatorProfileId@0015          | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 15       | O          | UpdaterProfileId           | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | UpdaterProfileId@0016          | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 16       | P          | CreatedUtc                 | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | CreatedUtc@0017                | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 17       | Q          | UpdatedUtc                 | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | UpdatedUtc@0018                | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 18       | R          | ConsumedUtc                | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | ConsumedUtc@0019               | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 19       | S          | CanceledUtc                | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | CanceledUtc@0020               | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 20       | T          | ClosedUtc                  | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | ClosedUtc@0021                 | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 21       | U          | StartUtc                   | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | StartUtc@0022                  | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 22       | V          | ClaimedUtc                 | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | ClaimedUtc@0023                | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 23       | X          | AccountingState            | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | AccountingState@0024           | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 24       | Y          | Type                       | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | Type@0025                      | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 25       | Z          | Data                       | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | Data@0026                      | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 26       | AA         | TaxExemptionReason         | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | TaxExemptionReason@0027        | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |
| 27       | AB         | TaxExemptionLegalReference | 0     |            |                |          |             | 0                 | <input type="checkbox"/> | TaxExemptionLegalReference@... | <input type="checkbox"/> |         | No       | <input type="checkbox"/> |    |

By default, they are created as **Text** type and can be manually changed in the **Type** column at the end of the same page, if required.

At the same time that **Make Template** creates the template, it also creates an inbox entry in the standard import folder.

The screenshot shows the 'OE Entity Imports List' interface. The main table lists source and target templates. A red arrow points to the 'NEWMEMSINVOICE' entry in the 'Source Template' column. An 'OE Grid Viewer' window is open, displaying a comparison of data between two tables (A and B) for 'OrderItems', 'UnitAmount', 'TaxValues', and 'Items'.

| Table             | A                                   | B                      |
|-------------------|-------------------------------------|------------------------|
| <b>OrderItems</b> | <b>OrderItems</b>                   |                        |
|                   | <b>Id</b>                           | <b>Enterpriseld</b>    |
|                   | dac7f40-3801-4f6f-9874-afd50170a6bb | 851df8c8-90f2-4c4a-8e0 |
| <b>UnitAmount</b> | <b>UnitAmount</b>                   |                        |
|                   | <b>Currency</b>                     | <b>NetValue</b>        |
|                   | GBP                                 | 13.333                 |
| <b>TaxValues</b>  | <b>TaxValues</b>                    |                        |
|                   | <b>Code</b>                         | <b>Value</b>           |
|                   | UK-2022-20%                         | 2.667                  |
| <b>Breakdown</b>  | <b>Breakdown</b>                    |                        |
| <b>Items</b>      | <b>Items</b>                        |                        |
|                   | <b>TaxRateCode</b>                  | <b>NetValue</b>        |
|                   | UK-2022-20%                         | 13.333                 |

The only remaining step is to create or add the Force type line(s) to the generated template in order to save the data into one or more Business Central tables.

If we want to examine how the template works, we can move this entry to the **Garage** and start the engine. In addition to reviewing its data and behavior, this can be very useful when we want to create the previously mentioned **Forced** lines, as it helps us understand what each element is, which variables have been defined, and their values.

OE Garage - 0
✖

Manage Start Engine View Records View Replaces View Vars View Formulas View Conditions View Schema and Indexes Page

### General

|           |   |             |        |
|-----------|---|-------------|--------|
| TrackCode | [9378cb25-e81f-436d-8ec8-3fb9a8c8db5... | Source      | ENTITY |
| Template  | NEWMEMISINVOICE                         | Perspective | Target |

### Dataltems & Buffer

Dataltems

| Major | Level | Value                               |
|-------|-------|-------------------------------------|
| 1     | 0     | NOW Import Buffer -> OrderItems     |
| → 2   | 2     | NOW Import Buffer -> UnitAmount     |
| 3     | 4     | NOW Import Buffer -> TaxValues      |
| 4     | 4     | NOW Import Buffer -> Breakdown      |
| 5     | 6     | NOW Import Buffer -> Items          |
| 6     | 2     | NOW Import Buffer -> Amount         |
| 7     | 4     | NOW Import Buffer -> TaxValues      |
| 8     | 4     | NOW Import Buffer -> Breakdown      |
| 9     | 6     | NOW Import Buffer -> Items          |
| 10    | 2     | NOW Import Buffer -> OriginalAmount |
| 11    | 4     | NOW Import Buffer -> TaxValues      |
| 12    | 4     | NOW Import Buffer -> Breakdown      |
| 13    | 6     | NOW Import Buffer -> Items          |
| 14    | 2     | NOW Import Buffer -> Options        |
| 15    | 0     | NOW Import Buffer -> OrderItems     |
| 16    | 2     | NOW Import Buffer -> UnitAmount     |
| 17    | 4     | NOW Import Buffer -> TaxValues      |
| 18    | 4     | NOW Import Buffer -> Breakdown      |

Data Buffer

| Major | Level | Value                  |
|-------|-------|------------------------|
|       | 2     | 34 - Currency : GBP    |
|       | 2     | 35 - NetValue : 13.333 |
|       | 2     | 36 - GrossValue : 16   |
| → 2   | 2     | 37 - TaxValues :       |

#### Replacements

Value

(There is nothing to show in this view)

#### Vars

Value

Currency@0029 = GBP

NetValue@0030 = 13.333

GrossValue@0031 = 16

#### Parameters

Value

(There is nothing to show in this view)

Close

## MAKE TEMPLATE (SPLIT)

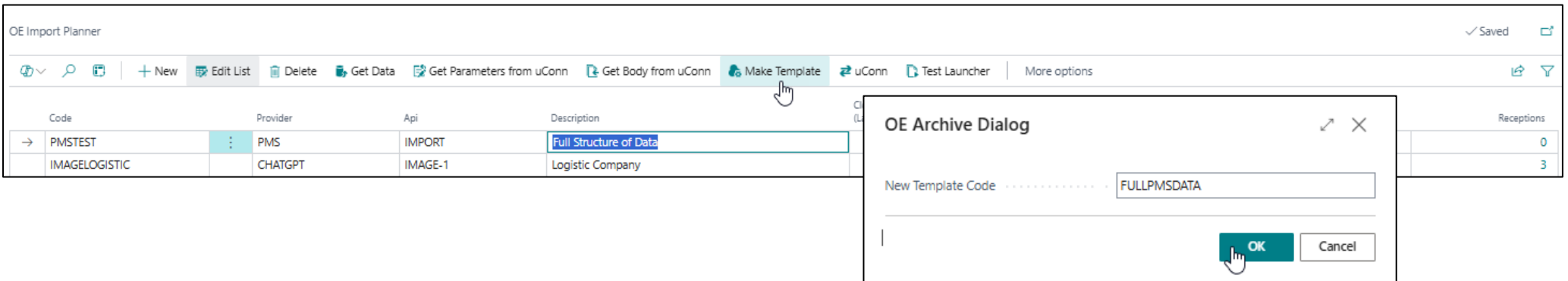
As mentioned earlier, the **Split** template option is used to divide a large data entry (JSON or XML) into smaller, more manageable logical units. This is especially useful for very large structures that combine different types of information.

We will work with a data source coming from a PMS that combines, for example, customers, invoicing, payments, production, credit, deposits, and similar data.

The first thing we need to do is determine which data sets will be split. If we have access to the API structure of our provider, this would be the first source to consult. If, for some reason, this is not possible, we can perform a full **Make Template** using a **Base** template and, after reviewing it, decide how to create the split.

For example, we can export the template lines to Excel and then filter the **Indentation** column by the value **2**.

It is important when creating a template using **Make Template** (Base or Split) that the data source is as complete as possible. Otherwise, future data may be omitted due to an incomplete template structure.



In our case, the result would be the parent lines for each data type. From these, for this document, we have selected only three: **customers**, **invoicing**, and **production**.

| A               | B                 | C           | D                | E          | F         | G           | H             | I   | J     | K        | L       | M      | N    | O       | P            |
|-----------------|-------------------|-------------|------------------|------------|-----------|-------------|---------------|-----|-------|----------|---------|--------|------|---------|--------------|
| Target Table ID | Target Table Name | Indentation | Related Table ID | Tag        | Operation | Don't Do it | Table Trigger | Key | Field | Formulas | Filters | Fusion | Exce | Enabled | Run Before ( |
| 72139624        | NOW Import Buffer | 2           | 72139624         | customers  | Only Read |             | FALSO         |     | 13    | FALSO    | 0       | FALSO  | 0    | #####   |              |
| 72139624        | NOW Import Buffer | 2           | 72139624         | production | Only Read |             | FALSO         |     | 18    | FALSO    | 0       | FALSO  | 0    | #####   |              |
| 72139624        | NOW Import Buffer | 2           | 72139624         | invoicing  | Only Read |             | FALSO         |     | 14    | FALSO    | 0       | FALSO  | 0    | #####   |              |

We can now start creating our **Split** templates.

We change the base type in **PMSTEST** to **Split** and navigate through **Import Template > Select full list** to the **Split Templates** list.

This can also be accessed from **Open Entity**, through **Dashboard Actions > Imports > Split List**.

Here, we create an entry and edit it:

OE Split List ✓ Saved

⌵ 🔍 📄 | + New Edit List Delete Edit View | More options

| Code ↑    | Description                 | XML Base Code |
|-----------|-----------------------------|---------------|
| → PMSTEST | ⋮ MAKE SPLIT TEMPLATES TEST | PMSBASE       |

OE Split ✎ 📄 + 🗑

# PMSTEST

**General**

Code ..... PMSTEST XML Base Code ..... PMSBASE

Description ..... MAKE SPLIT TEMPLATES TEST

**Lines** | 📄 New Line ✕ Delete Line 📄 📄

| Tag         | Template Code  | XML Base Code | Sort XML Elements                   | Create Vars                         | Order ↑ | Enabled                             |
|-------------|----------------|---------------|-------------------------------------|-------------------------------------|---------|-------------------------------------|
| customers   | PMSCUSTOMERS   |               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 10      | <input checked="" type="checkbox"/> |
| production  | PMSPRODUCTION  |               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 20      | <input checked="" type="checkbox"/> |
| → invoicing | ⋮ PMSINVOICING |               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 30      | <input checked="" type="checkbox"/> |

In the **Lines** section, the most important columns are **Tag** and **Template Code**.

**Tag** is the label with which the data is received from the API. In our case, we have **customers**, **production**, and **invoicing**.

In **Template Code**, we “invent” the names of the templates that will be created.

It is highly recommended to enable the **Sort XML Elements** column. With this option, simple elements of a JSON or XML are ordered at the beginning of the node or token, while composite elements, such as **document** or **country**, which have child elements, are placed at the end. If this option is not enabled, there is a risk that a simple node located below parent nodes cannot be read.

**Create vars:** automatically creates variables for each field when enabled.

**Order:** defines the order in which the data sections are received.

**Enabled:** enables the reading, and in this case the initial creation, of the Split template line.

Finally, there is the **XML Base Code** field, which is simply the “wrapper” that will surround our Split templates.

We can access the **XML Base Code** list from the field using **Select from full list**, open its card directly using **Show details**, or access it from the **Open Entity Dashboard** through **Dashboard Actions > Imports > XML Wrap**.

If this field is configured in the header, all enabled lines will follow this pattern. It can also be defined on individual lines in case different patterns are required for each one.

The **XML Base** or **XML Wrap** card for our example is:

OE XML Wrap

PMSBASE

**General**

Code ..... PMSBASE      Description ..... WRAP FOR PMS TEMPLATE      XML Base Use ..... 1

Lines | [New Line](#) | [Delete Line](#)

|   | Order ↑ | XML Text | Type    | Fixed Value | Formula   | Date Format | Ignore Formula           |
|---|---------|----------|---------|-------------|-----------|-------------|--------------------------|
| → | 0       | list     | Node    |             |           | 0           | <input type="checkbox"/> |
|   | 0       | date     | Element |             | today;-1D | 9           | <input type="checkbox"/> |

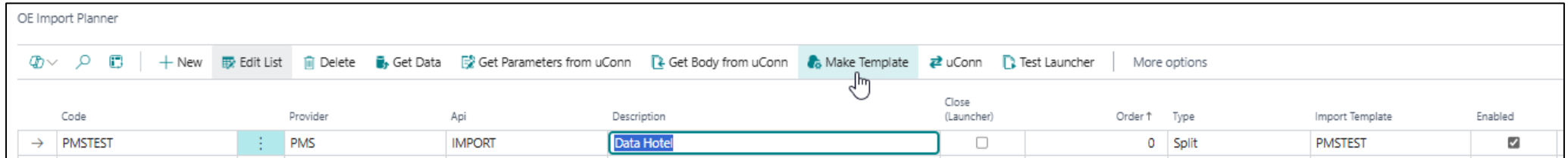
In the header, we have the **Wrap Template Code**, a description, and the number of times it is used by **Split** templates.

**Lines:**

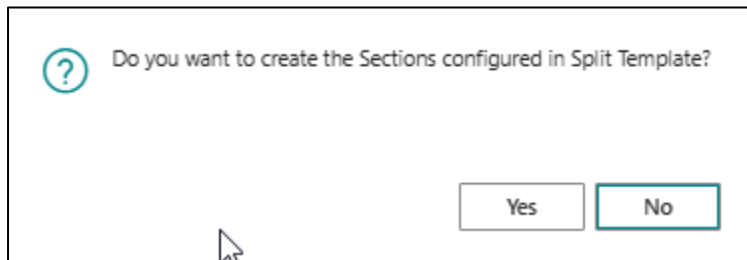
- **Order:** allows us to change the order of the lines, making it easier to avoid editing issues if we create them in the wrong order.

- **XML Text:** the name or tag that will wrap the Split template.
- **Type:** indicates whether it is a node or an element. The first line must obligatorily be of type **Node**.
- **Fixed Value:** used if we want to assign a fixed value.
- **Date Formula** and **Date Format:** used if the field of type **Element** is a date.

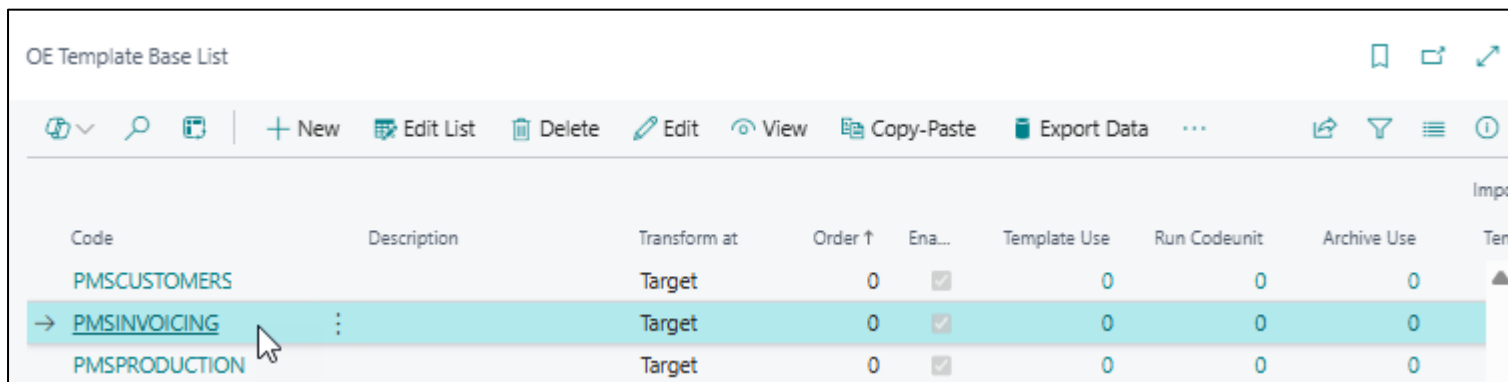
With all of this configured, we can now create our **Split Template** and its defined **Base Templates**:



When clicking **Make Template**, we will no longer be prompted to enter a code. Instead, the following confirmation message will be displayed:



We respond affirmatively, and after reading the data from the API, the **Base Templates** configured in the lines of the **Split Template** will have been created, including their data structure and fields..





OE Garage - 0

Manage Start Engine View Records View Replaces View Vars View Formulas View Conditions View Schema and Indexes Page

**General**

TrackCode ..... [b8278fa4-edde-4440-be68-961993dad6...] Source ..... ENTITY

Template ..... PMSCUSTOMERS Perspective ..... Target

**Dataltems & Buffer**

Dataltems

| Major | Level | Value                          |
|-------|-------|--------------------------------|
| 1     | 0     | NOW Import Buffer -> list      |
| 2     | 2     | NOW Import Buffer -> customers |
| → 3   | 4     | NOW Import Buffer -> country   |
| 4     | 4     |                                |
| 5     | 6     |                                |
| 6     | 4     |                                |
| 7     | 4     |                                |
| 8     | 6     |                                |
| 9     | 4     |                                |
| 10    | 4     |                                |
| 11    | 2     | NOW Import Buffer -> customers |
| 12    | 4     | NOW Import Buffer -> country   |
| 13    | 4     |                                |
| 14    | 6     |                                |
| 15    | 4     |                                |
| 16    | 4     |                                |
| 17    | 6     |                                |
| 18    | 4     |                                |

Data Buffer

| Major | Level | Value              |
|-------|-------|--------------------|
| 3     | 4     | 22 - name : SPAIN  |
| 3     | 4     | 23 - codeISO2 : ES |
| → 3   | 4     |                    |

**Record**

Value

(There is nothing to show in this view)

**Replacements**

Value

(There is nothing to show in this view)

**Vars**

Value

name@0015 = SPAIN

codeISO2@0016 = ES

**Parameters**

Close

It will still be necessary to add the Force lines in order to save the data into Business Central tables.

Since Force template lines have undergone changes in this new version, they will be discussed again later in this document.

## CUSTOM TEMPLATES FOR IMPORTS

In order for import templates to be accessible to users, we create a **Custom Template** in the same way as we do with **Base Templates**, by defining the user and the **Template Type** as **Imports**. In the **Source Template Code** field, we select the desired import template. We then enter a description and enable the **Enabled** field.

The screenshot shows the configuration page for a custom template named 'CT-0003'. The page has a header with the title 'OE Custom Template' and a sub-header 'CT-0003'. Below the header, there are two buttons: 'Run' and 'More options'. The main section is titled 'General' and contains several fields:

- Code:** CT-0003
- User:** TOLO.SASTRE
- Template Type:** Imports
- Source Template Code:** PMSTEST (with a dropdown menu open showing a list of options)
- Folder:** (empty dropdown)
- Enabled:** (checked toggle)
- Run Codeunit:** (checked toggle)
- Ignore Run Base Codeunit:** (checked toggle)
- Description:** (empty text field)

The dropdown menu for 'Source Template Code' is open, showing a list of options with columns 'Code t' and 'Description':

| Code t        | Description       |
|---------------|-------------------|
| IMAGELOGISTIC | Logistic Company  |
| MEWSBILL      | Get the Bills     |
| MEWSCUSTOMERS | Get the Customers |
| MEWSINVOICE   | Get the Invoices  |
| → PMSTEST     | Data Hotel        |

At the bottom of the dropdown, there are two links: 'Show details' and 'Select from full list'.

Once these simple steps are completed, the import utility will be available to the user.

The screenshot shows the 'Utilities' section of the system. It features a 'Main Utilities' dropdown menu with two options: 'Run' and 'Open in Excel'. Below the dropdown is a table listing various utilities:

|           | Description             | Folder | Action | Run Type |
|-----------|-------------------------|--------|--------|----------|
|           | Obten imagenes de Dalle |        | Import | Normal   |
| → CT-0003 | Import Data Hotel       |        | Import | Normal   |
| CT-0004   | Mapa Google             |        | Import | Normal   |
| CT-0005   | Datos SII por fechas    |        | Import | Normal   |

## GROUPS FOR PERIODIC EXECUTIONS

To create a periodic activity for imports, we will use the **Groups** and the **Custom Import Templates** that have been created. The behavior has not changed (see document “06 – Custom Templates and Groups”).

OE Group Header

# IMPORTACIONES

Run | More options

### General

Code ..... IMPORTACIONES      Description ..... Importaciones periodicas      Webhooks ..... 0

Allow Job Queue Process .....       Enabled .....

Lines | [New Line](#) | [Delete Line](#)

| Custom Template Code | Description             | Action | Order ↑ | Ena...                              | Mo...                               | Tue...                              | We...                               | Thu...                              | Friday                              | Sat...                              | Sun...                              |  |
|----------------------|-------------------------|--------|---------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| CT-0002              | Obten imagenes de Dalle | Import | 10      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |  |
| → CT-0003            | Import Data Hotel       | Import | 50      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |  |

## APPS

A new **cue** has been added to **Open Entity**, from which we can access the apps that have been configured. These can be commercial apps or customer-created apps, as well as web pages or Business Central pages. **Apps** or **Applications** was originally created to host future applications or utilities related to Open Entity.

Open Entity Dashboard Manager

Manage | Actions ▾ | Fewer options

Setup > OE Setup

Templates > Tenant-Company

Custom Templates > Apps Setup

Templates: 32

Base: 18

Archive

Conditions: 3

Get From: 4

Don't Do: 2

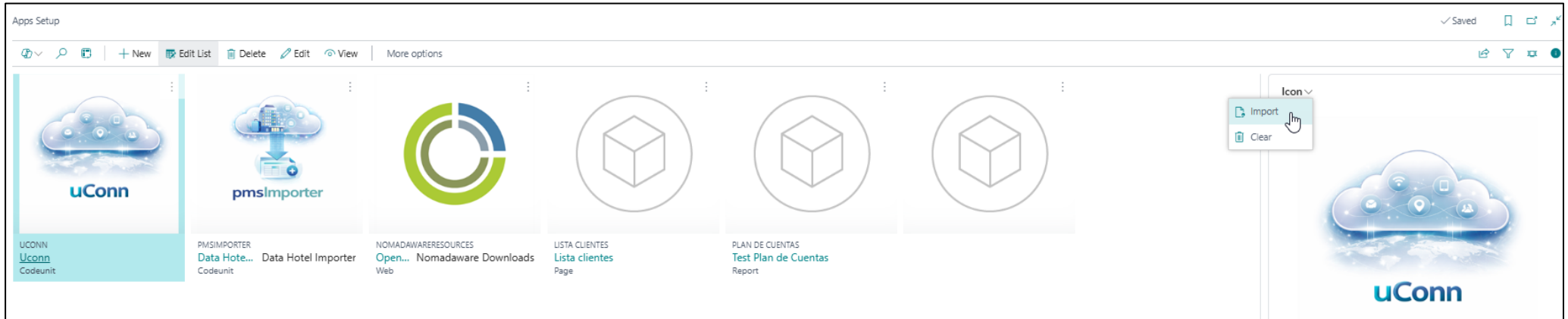
Customizations: Clipboard Pages (85), Custom Templates (16), Template Groups (1), Equivalences (0), Import Planner (6)

Activity: Inbounds (32), Outbounds (23), Logs (999+)

Notifications: Webhooks (1), Receptions (18)

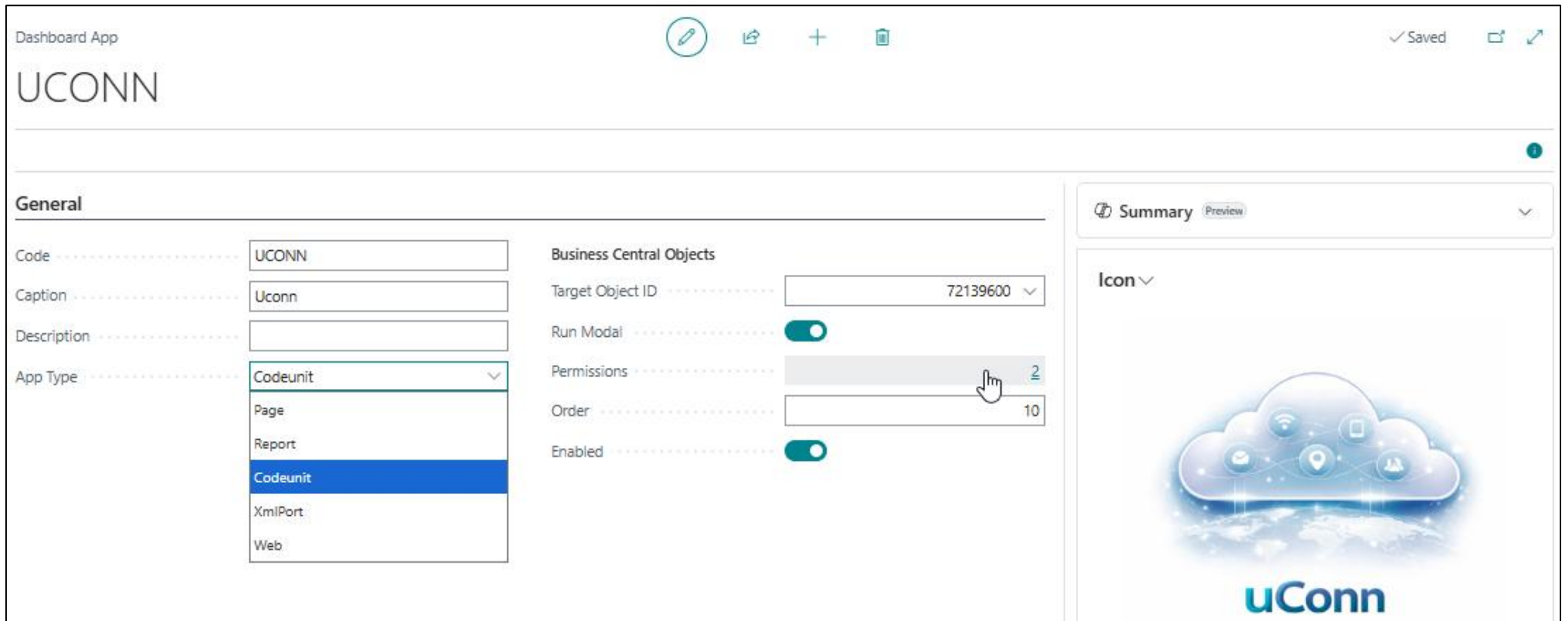
Applications: 5

From **Actions > Setup > Apps Setup**, a list of the configured apps will be displayed.



To create or modify a record, we use the **New** or **Edit** action. From the same list, we can also upload an image for the app.

**Apps Card:** in this example, we have configured the **uConn** application so that it can be used by a user who is not an Open Entity administrator.



## FIELDS

- **Code:** code related to the nature of the app.
- **Caption:** a text (title), for example the name of the app.
- **Description:** personal description of the app.
- **App Type:** the type of Business Central object to be executed. If the type is **Web**, a browser tab will be opened with the configured URL.
- **Target Object ID:** the ID of the Business Central object.
- **Run Modal:** usually enabled, indicates that execution will be modal.
- **Permissions:** number of permissions defined for this app. Its behavior is identical to that of **Base Templates** (see “11 – Permissions and Inspect”). If no permissions are defined, all users can execute it.
- **Order:** allows configuration of the display order of the apps on the screen.
- **Enabled:** enables or disables the execution of the app for users.

Dashboard App

NOMADAWARERESOURCES

✓ Saved

### General

|             |                              |
|-------------|------------------------------|
| Code        | NOMADAWARERESOURCES          |
| Caption     | Open Entity Docs & Downloads |
| Description | Nomadaware Downloads         |
| App Type    | Web                          |

→

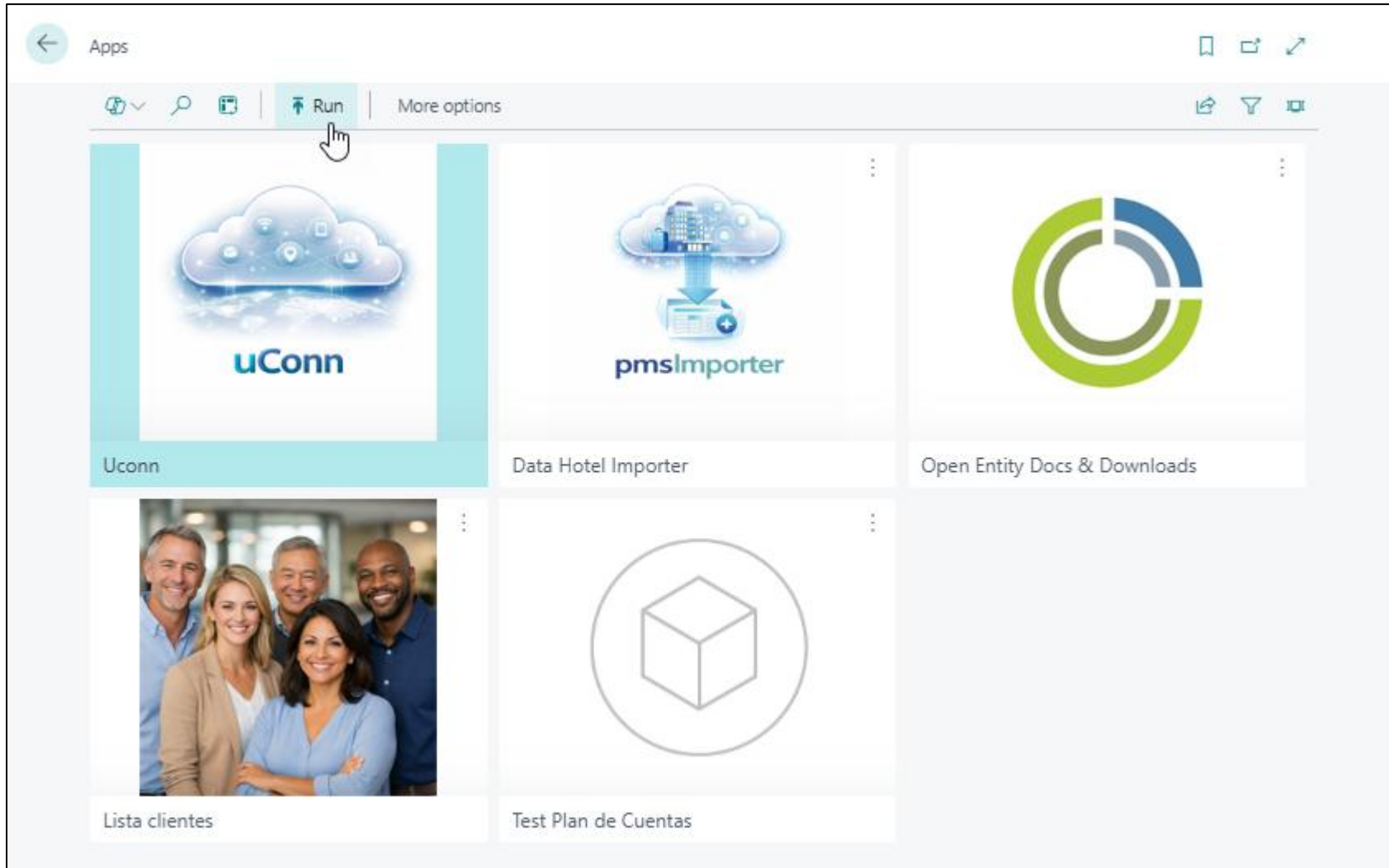
**Web**

|             |                                     |
|-------------|-------------------------------------|
| Target URL  | https://www.nomadaware.com/open-ε   |
| Permissions | 1                                   |
| Order       | 30                                  |
| Enabled     | <input checked="" type="checkbox"/> |

### Icon

If the **App Type** is **Web**, the **Business Central Objects** section will change to the **Web** section, where we can enter our URL.

### Apps Screen (Users)



## CHANGES IN THE NEW OPEN ENTITY VERSION

### GET FROM

The **Get From** template now allows retrieving the first or last record based on configured fields that are not part of the record's primary key.

OE Get From Header

GETLASTCUSTOMER

Use Key Clear Key More options

**General**

Code: GETLASTCUSTOMER

Source Table ID: 18

Source Name: Customer

Description: Get the first or last customer (only test)

Key: City

First or Last: Last

Suitable for: Get From

Get From Return Field

Field ID: 1

Name: No.

Enabled:

GetFrom Use: 1

**Links +**

(There is nothing to show in this view)

**Notes +**

(There is nothing to show in this view)

**Lines** | New Line | Delete Line

|   | Field ID | Field Name | Operator | Field Value | Is a Var                            | Order ↑ | Enabled                             |
|---|----------|------------|----------|-------------|-------------------------------------|---------|-------------------------------------|
| → | 7        | City       | =        | vcity       | <input checked="" type="checkbox"/> | 10      | <input checked="" type="checkbox"/> |

We can select or clear the search key using the **Use Key** and **Clear Key** actions, as in base template lines, and choose in the **First or Last** field whether we want the first or the last record of the resulting selection.

## DON'T DO

The new implementation of the import module (**Import Planner**), together with the reading of external data outside Business Central (**uConn**), raises the question of whether some entries are valid and should be accepted. For example, importing a customer with code zero that contains no values (blanks or nulls).

With **Don't Do** templates, we can prevent data that matches certain values from being saved during the import process.

To apply this control, a new column has been added to the **Template Lines** called **Don't Do if**:

The screenshot shows the OE Template Base interface for PMSCUSTOMERS. The General settings are visible, including Code (PMSCUSTOMERS), Source Table ID (0), Source Name, Description, Operation (Only Read), Table Trigger (disabled), Permissions (0), Run Codeunit (0), Allow Requests (disabled), Enabled (checked), Use-Create Equivalence (disabled), Folder, Template Use (0), Archive Use (0), Imports Use (Base Templates) (0), and Imports Use (Split Templates) (1).

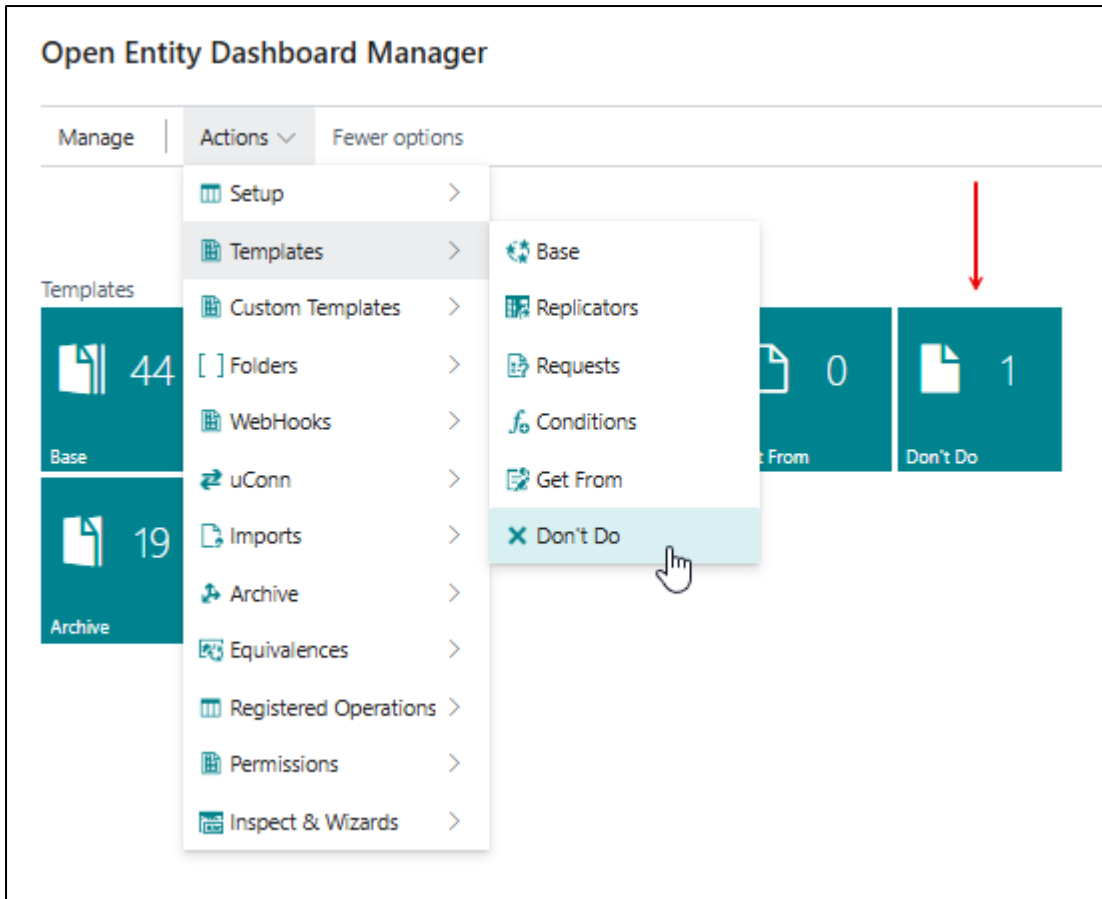
The Template Lines table is shown below, with the following columns: Target Table ID, Target Table Name, Indentation, Related Table ID, Tag, Operation, Don't Do if, Table Trig..., Key, Fields, Formul..., Filters, Fusion, Excel, Ena..., Run Before (Force), Run After (Force), and Force. The table contains three lines:

| Target Table ID | Target Table Name   | Indentation | Related Table ID | Tag          | Operation     | Don't Do if  | Table Trig...            | Key | Fields | Formul... | Filters | Fusion | Excel | Ena...                              | Run Before (Force) | Run After (Force) | Force                               |
|-----------------|---------------------|-------------|------------------|--------------|---------------|--------------|--------------------------|-----|--------|-----------|---------|--------|-------|-------------------------------------|--------------------|-------------------|-------------------------------------|
| 72139624        | NOW Import Buffer   | 0           | 0                | list         | Only Read     |              | <input type="checkbox"/> |     | 1      | No        | 0       | No     | 0     | <input checked="" type="checkbox"/> |                    |                   | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 2           | 72139624         | customers    | Only Read     |              | <input type="checkbox"/> |     | 13     | No        | 0       | No     | 0     | <input checked="" type="checkbox"/> |                    |                   | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 4           | 72139624         | country      | Only Read     |              | <input type="checkbox"/> |     | 2      | No        | 0       | No     | 0     | <input checked="" type="checkbox"/> |                    | pmscountry        | <input type="checkbox"/>            |
| 50155           | NWP Hotel Customers | 0           | 0                | pmscustomers | Insert-Modify | CUSTOMERZERO | <input type="checkbox"/> |     | 13     | Yes       | 0       | No     | 0     | <input checked="" type="checkbox"/> |                    | pmscustomers      | <input checked="" type="checkbox"/> |
| 9               | Country/Region      | 0           | 0                | pmscountry   | Only Insert   |              | <input type="checkbox"/> |     | 3      | Yes       | 0       | No     | 0     | <input checked="" type="checkbox"/> |                    |                   | <input checked="" type="checkbox"/> |

In this example, we have created a **Don't Do** template that prevents data from being inserted into the custom extension table (PTE) for **Hotel Customers (NWP Hotel Customers)** when the **Id** field is zero.

**Warning:** a **Don't Do** template does not prevent the data from being read and, in some cases, temporarily stored in variables during processing.

These templates can be accessed from **Actions > Templates > Don't Do** or from their corresponding **cue** in the **Open Entity Administration Dashboard**.



The **Don't Do** list page will be opened.

OE Don't Do List

Toolbar: + New, Edit List, Delete, Edit, View, More options

| Code ↑       | Description                                      | Source Table ID | Source Name         | Enabled                             | Use Condition |
|--------------|--|-----------------|---------------------|-------------------------------------|---------------|
| CUSTOMERZERO | Customer Zero from PMS at the very first of data | 50155           | NWP Hotel Customers | <input checked="" type="checkbox"/> | 0             |

On its card page, we will edit the required fields for the referenced table.

Its configuration is similar to that of **Condition Templates** (see “05 – Get From, Conditions and Requests”) for formulas.



# CUSTOMERZERO

## General

Code ..... CUSTOMERZERO

Description ..... Customer Zero from PMS at the very f

Source Table ID ..... 50155

Suitable for ..... Dont Do if

Source Name ..... NWP Hotel Customers

Enabled .....

Use Condition ..... 0

Lines | New Line Delete Line

|   | Field ID | Field Name | Operator | Field Value | Criteria String | Order ↑ |
|---|----------|------------|----------|-------------|-----------------|---------|
| → | 1        | Id.        | =        | 0           |                 | 0       |

## FORCE BEFORE/AFTER

The two new columns, **Force Before** and **Force After**, are related to the lower **Force** lines that we use to save the data stored in variables into Business Central. They are used when there is no direct relationship between the received data (in this case, from an external source) and its final destination (a Business Central table).

They can still be placed within the flow or data structure of the template, but for clarity we recommend placing them at the end of the template.

When, during data reading, a template line encounters a tag from **Force** type lines specified in the **Force Before** or **Force After** columns, the read/write flow is temporarily redirected to those lines and they are processed (Insert/Modify, Only Insert, Only Modify).

If the tag is found in the **Force Before** column, this redirection occurs before processing the current line. In the case of **Force After**, it occurs immediately after.

OE Template Base | ✎ 🔗 + 🗑️ ✓ Saved 📄 🔗

### PMSCUSTOMERS

📄 Copy-Paste 📄 Export Data 📄 Excel 🔄 Run Process 📄 Save File 📄 Archive 📄 Copy Template 📄 Rename Duplicated Tags 📄 Make Import Rule 📄 Permission 🔄 Run Codeunits 📄 Vars & Formulas 📄 Get and Enable All Fields 📄 Delete Obsolete/Unexistent Fields 📄 Get Related Tables ...

**General**

Code: PMSCUSTOMERS | Table Trigger:  | Folder: ULYSES

Source Table ID: 0 | Permissions: 0 | Template Use: 0

Source Name: | Run Codeunit: 2 | Archive Use: 0

Description: Import PMS Customers | Allow Requests:  | Imports Use (Base Templates): 0

Operation: Only Read | Enabled:  | Imports Use (Split Templates): 0

Use-Create Equivalence:

New Line Delete Line Use Key Clear Key Excel Header Excel Line Indent

| Target Table ID | Target Table Name   | Indentation | Related Table ID | Tag               | Operation      | Don't Do if  | Table Trig...            | Key | Fields | Formu... | Filters | Fusion | Excel | Ena...                              | Force Before | Force After | Force                               |
|-----------------|---------------------|-------------|------------------|-------------------|----------------|--------------|--------------------------|-----|--------|----------|---------|--------|-------|-------------------------------------|--------------|-------------|-------------------------------------|
| 72139624        | NOW Import Buffer   | 0           | 0                | list              | Only Read      |              | <input type="checkbox"/> |     | 2      | Yes      | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 2           | 72139624         | customers         | Only Read      |              | <input type="checkbox"/> |     | 11     | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 4           | 72139624         | country           | Only Read      |              | <input type="checkbox"/> |     | 2      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              | pmscountry  | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 4           | 72139624         |                   | Only Read      |              | <input type="checkbox"/> |     | 1      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 6           | 72139624         |                   | Only Read      |              | <input type="checkbox"/> |     | 2      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 4           | 72139624         |                   | Only Read      |              | <input type="checkbox"/> |     | 2      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 4           | 72139624         |                   | Only Read      |              | <input type="checkbox"/> |     | 1      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 6           | 72139624         |                   | Only Read      |              | <input type="checkbox"/> |     | 2      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 4           | 72139624         |                   | Only Read      |              | <input type="checkbox"/> |     | 2      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input type="checkbox"/>            |
| 72139624        | NOW Import Buffer   | 4           | 72139624         | accountReceivable | Only Read      |              | <input type="checkbox"/> |     | 2      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |              | pmscustomer | <input type="checkbox"/>            |
| 50155           | NWP Hotel Customers | 0           | 0                | pmscustomer       | Insert, Mod... | CUSTOMERZERO | <input type="checkbox"/> |     | 13     | Yes      | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input checked="" type="checkbox"/> |
| → 9             | Country/Region      | 0           | 0                | pmscountry        | Only Insert    |              | <input type="checkbox"/> |     | 3      | Yes      | 0       | No     | 0     | <input checked="" type="checkbox"/> |              |             | <input checked="" type="checkbox"/> |

In this template, we have been accumulating the required data for saving the country and the customer data into variables. When the template processes the **Force After** column, the data is saved into a Business Central table.

Example of Fields within a Force Line (pmscustomers):

| Field ID | Field Name    | Tag | Order ↑ | Series No. | Get Serie When | Get From | Field Value | Ma... (Im... | Ena... Map               | Vari... Id | Send when Run Cod...     | Formula                       | Con... | Ign... For...            | Equal Field No. | Fuse | Cha... Sign (nu...       | Vali...                  | Edit...                  | Visi...                  | Ena...                              | Lookup Page No. | Lookup Field No. | Field Type |
|----------|---------------|-----|---------|------------|----------------|----------|-------------|--------------|--------------------------|------------|--------------------------|-------------------------------|--------|--------------------------|-----------------|------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----------------|------------------|------------|
| 1        | Id.           |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vid                           | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 2        | No.           |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | 430000000+vCustCode           | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Integer    |
| 3        | Name          |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vGivenName vSurname vSurma... | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 4        | Address       |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vCustAddress                  | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 5        | Post Code     |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vCustPostCode                 | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 6        | City          |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vCustCity                     | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 7        | Country       |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vCountryName                  | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 8        | Country Code  |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vCountry/ISO2                 | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 9        | Phone         |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vPhone                        | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 10       | E-Mail        |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vCustEMail                    | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 11       | Document Type |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vDocTypeName                  | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 12       | Document No.  |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vDocumentNumber               | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |
| 13       | Customer Type |     | 0       |            |                |          |             | 0            | <input type="checkbox"/> |            | <input type="checkbox"/> | vCustTypeName                 | No     | <input type="checkbox"/> | 0               |      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0               | 0                | Text       |

## DELETE UNEXISTENT-OBSOLETE FIELDS

In the previous version, fields that no longer existed were automatically checked and removed (fields deleted by new extensions, regional versions, or marked as *obsolete-removed* by Microsoft). Now, when executing this action, the system first displays the fields in use that do not exist, including those from **Template Lines (Fields)**, **Filters**, and those used in **Excel**.

OE Template Base

### EXPORT\_TEMPLATE

Copy-Paste Export Data Excel Run Process Save File Archive Copy Template Rename Duplicated Tags Make Import Rule Permission Run Codeunits Vars & Formulas Get and Enable All Fields

**General**

Code: EXPORT\_TEMPLATE Table Trigger:  Folder:   
 Source Table ID: 72139575 Permissions: 0 Template Use:   
 Source Name: NOW Template Header Run Codeunit: 0 Archive Use:   
 Description: Copy any template user to another company Allow Requests:  Imports Use (Base Templates):   
 Operation: Insert-Modify Enabled:  Imports Use (Split Templates):   
 Use-Create Equivalence:

Delete Obsolete/Unexistent Fields  
 Get Related Tables  
 Delete Data (Entity)  
 More options

Lines | New Line Delete Line Use Key Clear Key Excel Header Excel Line Indent

| Target Table ID | Target Table Name             | Indentation | Related Table ID | Tag | Operation     | Don't Do if | Table Trig...            | Key | Fields | Formu... | Filters | Fusion | Excel | Ena...                              |
|-----------------|-------------------------------|-------------|------------------|-----|---------------|-------------|--------------------------|-----|--------|----------|---------|--------|-------|-------------------------------------|
| → 72139575      | NOW Template Header           | 0           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 31     | No       | 1       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139576        | NOW Template Lines            | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 37     | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139577        | NOW Field Relation            | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 11     | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139578        | NOW Field Lines               | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 32     | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139580        | NOW Template Permissions      | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 6      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139588        | NOW Filter Lines              | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 22     | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139589        | NOW Excel Fields              | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 15     | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139602        | NOW Conditions Template Field | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 7      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139614        | NOW OE Mapping                | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 8      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139615        | NOW Target for Template       | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 13     | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139618        | NOW Excel Properties Template | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 6      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |
| 72139620        | NOW OE Parameters             | 2           | 72139575         |     | Insert-Mod... |             | <input type="checkbox"/> |     | 5      | No       | 0       | No     | 0     | <input checked="" type="checkbox"/> |

All fields (normal, Excel, and filters) whose status is Removed (obsolete) in this Template will be displayed, allowing them to be deleted...

When executing the action, an explanatory message will be displayed before searching for the unnecessary fields in the template.

### OE Obsolete-Non Existent Fields

Manage

#### Fields

Obsolete Fields ▾

| Template ↑  | Table ID. ↑ | Table Name         | Field ID. ↑ | Field Name | Field Caption | Length | Type |
|---|-------------|--------------------|-------------|------------|---------------|--------|------|
| → <input checked="" type="checkbox"/> EXPORT_TEMPLATE | 72139576    | NOW Template Lines | 37          | Key Index  | Key Index     |        |      |

Select More

#### Excel

Obsolete Excel Fields ▾

| Template ↑                              | Table ID. ↑ | Table Name | Field ID. ↑ | Field Name | Field Caption | Length | Type |
|---|-------------|------------|-------------|------------|---------------|--------|------|
| (There is nothing to show in this view) |             |            |             |            |               |        |      |

#### Filters

Obsolete Filter Fields ▾

| Template ↑                              | Table ID. ↑ | Table Name | Field ID. ↑ | Field Name | Field Caption | Length | Type |
|---|-------------|------------|-------------|------------|---------------|--------|------|
| (There is nothing to show in this view) |             |            |             |            |               |        |      |

Close

In this case, the system has found a field in this template that no longer exists. We select it as we usually do in Business Central and open the delete action contained in **Obsolete Fields**, **Obsolete Excel Fields**, or **Obsolete Filter Fields**, as applicable. Alternatively, we can open them in Excel to review them carefully.

The screenshot shows a window titled "OE Obsolete-Non Existent Fields" with a "Manage" button. Below is a "Fields" section containing a table of obsolete fields. A context menu is open over the first row, with "Delete Marked" selected. The table has columns for Table ID, Table Name, Field ID, Field Name, and Field Caption. The first row contains the following data:

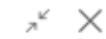
| Table ID. ↑ | Table Name         | Field ID. ↑ | Field Name | Field Caption |
|-------------|--------------------|-------------|------------|---------------|
| 72139576    | NOW Template Lines | 37          | Key Index  | Key Index     |

Once our actions are completed, we can close the page and the obsolete fields will have been removed from the template.

This action can also be executed globally for all **Open Entity** templates from **Dashboard (Open Entity) > Inspect & Wizards > Inspect Data app & Standard**.

The image shows the 'Open Entity Dashboard Manager' interface. On the left, a navigation menu is open, showing the 'Inspect & Wizards' option selected. A sub-menu is displayed, with 'Inspect Data App & Standard' highlighted. The main area shows the 'OE Inspect Data' application interface. At the top, there are icons for edit, share, add, and delete, along with a 'Saved' status. Below this, there are three action buttons: 'Delete ALL Inbound-Outbound-Log Folders', 'Delete Obsolete/Unexistent Fields' (which is highlighted with a mouse cursor), and 'Delete ALL Webhook Receptions'. The interface also features a 'Data App Selection' section with a dropdown menu, and a 'Standard Tables & Pages' section with 'Table Number' and 'Page Number' dropdown menus, both currently set to '0'.

## OE Obsolete-Non Existent Fields



Manage

### Fields

Obsolete Fields ▾

Delete Marked

Open in Excel

|                    | Table ID. ↑ | Table Name         | Field ID. ↑ | Field Name | Field Caption | Length |
|--------------------|-------------|--------------------|-------------|------------|---------------|--------|
| 72139576           | 72139576    | NOW Template Lines | 37          | Key Index  | Key Index     | 4      |
| MIGULYSES_TEMPLATE | 72139576    | NOW Template Lines | 37          | Key Index  | Key Index     | 4      |
| ULYSESRECEIPT      | 50150       | NWP Ulyses Entries | 0           | B          | B             | 250    |

### Excel

Obsolete Excel Fields ▾

| Template ↑ | Table ID. ↑ | Table Name | Field ID. ↑ | Field Name | Field Caption | Length | Type |
|------------|-------------|------------|-------------|------------|---------------|--------|------|
|------------|-------------|------------|-------------|------------|---------------|--------|------|

(There is nothing to show in this view)

### Filters

Obsolete Filter Fields ▾

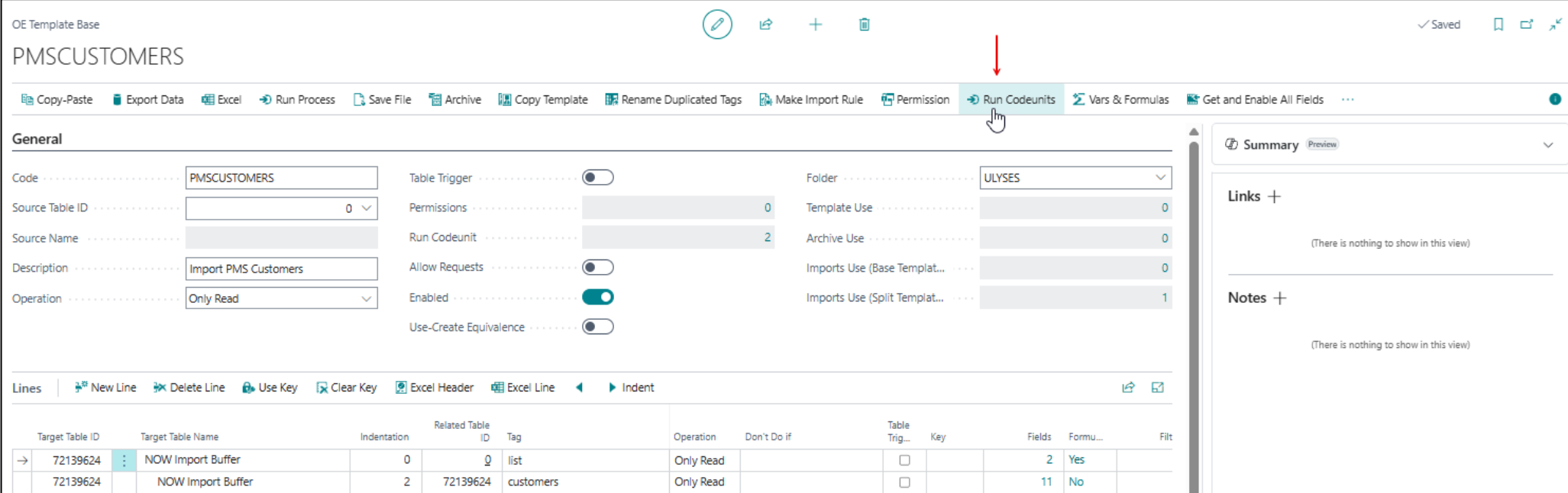
## RUN CODEUNITS (BEFORE/AFTER) FOR BASE AND CUSTOM TEMPLATES

Finally, a new feature has been developed that allows the execution of codeunits before and/or after the processing of a template, either **Base** or **Custom**.

This new capability is especially useful when we need to prepare data or perform actions prior to executing the template, as well as when we need to apply modifications or additional actions after execution. Examples include creating invoice line groupings, modifying or deleting records based on specified parameters, and similar tasks.

### RUN CODEUNITS – BASE TEMPLATES

To configure the execution of codeunits, we run the **Run Codeunits** action from the template header.



The screenshot shows the configuration page for the 'PMSCUSTOMERS' template. The 'Run Codeunits' menu item is highlighted with a red arrow. The 'General' section contains the following fields:

- Code: PMSCUSTOMERS
- Table Trigger:
- Folder: ULYSES
- Source Table ID: 0
- Permissions: 0
- Template Use: 0
- Source Name: [Empty]
- Run Codeunit: 2
- Archive Use: 0
- Description: Import PMS Customers
- Allow Requests:
- Imports Use (Base Templat...): 0
- Operation: Only Read
- Enabled:
- Imports Use (Split Templat...): 1
- Use-Create Equivalence:

The table below shows the configuration for the 'NOW Import Buffer' codeunit:

| Target Table ID | Target Table Name | Indentation | Related Table ID | Tag       | Operation | Don't Do if | Table Trig...            | Key | Fields | Formu... | Filter |
|-----------------|-------------------|-------------|------------------|-----------|-----------|-------------|--------------------------|-----|--------|----------|--------|
| 72139624        | NOW Import Buffer | 0           | 0                | list      | Only Read |             | <input type="checkbox"/> |     | 2      | Yes      |        |
| 72139624        | NOW Import Buffer | 2           | 72139624         | customers | Only Read |             | <input type="checkbox"/> |     | 11     | No       |        |

A new page will be opened where we can define which template operation will execute a codeunit **before** or **after** processing.

Open Entity provides four codeunits to test this functionality:

- **72139605 "NOW Run OnBefore"** (Base Template)
- **72139606 "NOW Run OnAfter"** (Base Template)
- **72139607 "NOW CT Run OnBefore"** (Custom Template)
- **72139608 "NOW CT Run OnAfter"** (Custom Template)

They are simply codeunits intended for testing purposes, to verify whether they are triggered (executed) according to the configuration we have defined.

The first two, for **Base Templates**, implement sample code to process the parameters that have been passed to them. These parameters will be explained in a later document (Developers).

Base - PMSCUSTOMERS

Run Codeunit List | + New | Edit List | Delete | More options

| Action ↑    | Codeunit Id. (Onbefore) | Name (Onbefore)  | Codeunit Id. (Onafter) | Name (Onafter)  | Max. Iterations Store(Vars) | Enab...                             |
|-------------|-------------------------|------------------|------------------------|-----------------|-----------------------------|-------------------------------------|
| Export      | 72139605                | NOW Run OnBefore | 72139606               | NOW Run OnAfter | 90000                       | <input checked="" type="checkbox"/> |
| → Import    | 72139605                | NOW Run OnBefore | 72139606               | NOW Run OnAfter | 90000                       | <input checked="" type="checkbox"/> |
| Copy-Paste  |                         |                  |                        |                 |                             |                                     |
| Export      |                         |                  |                        |                 |                             |                                     |
| Save-File   |                         |                  |                        |                 |                             |                                     |
| Excel       |                         |                  |                        |                 |                             |                                     |
| Archive     |                         |                  |                        |                 |                             |                                     |
| Run Process |                         |                  |                        |                 |                             |                                     |
| Import      |                         |                  |                        |                 |                             |                                     |

## FIELDS

- **Action:** the defined codeunits are executed only when this action matches.
- **Codeunit Id (OnBefore / OnAfter):** indicates which codeunit is executed and when, before or after processing the template.
- **Max Iterations Store (Vars):** controls the storage of variables that can be read and used by the codeunit. To understand this, imagine that each iteration is a complete “pass” of the template data stored in variables, for example all variables for customer1, customer2, and so on.
- **Enabled:** enables or disables the execution of the codeunit.

In **Custom Templates**, we can also execute our codeunits independently of the base template configuration.

OE Custom Template

# CT-0003

Run | Automate v | Fewer options

### General

|                      |                   |                          |                                     |
|----------------------|-------------------|--------------------------|-------------------------------------|
| Code                 | CT-0003           | Folder                   |                                     |
| User                 | TOLO.SASTRE       | Enabled                  | <input checked="" type="checkbox"/> |
| Template Type        | Imports           | Run Codeunit             | <input checked="" type="checkbox"/> |
| Source Template Code | PMSTEST           | Ignore Run Base Codeunit | <input checked="" type="checkbox"/> |
| Description          | Import Data Hotel | Run Codeunit             | 1                                   |

We access the configuration by clicking on the number in the **Run Codeunit** field.

Custom - CT-0003

Run Codeunit List | + New | Edit List | Delete | More options

| Action ↑ | Codeunit Id. (Onbefore) | Name (Onbefore)     | Codeunit Id. (Onafter) | Name (Onafter)     | Enabled                  |
|----------|-------------------------|---------------------|------------------------|--------------------|--------------------------|
| → Import | 72139607                | NOW CT Run OnBefore | 72139608               | NOW CT Run OnAfter | <input type="checkbox"/> |

The configuration is identical to that of **Base Templates**, except for the fact that they do not include the **Max. Iterations Store (Vars)** column, since no variable parameters are processed from a **Custom Template**.

The **Ignore Run Base Codeunit** field allows only the codeunits defined in the **Custom Template** to be executed, even if codeunits from its **Base Template** exist and are enabled.

If this option is not enabled, both sets of codeunits will be executed according to their execution order. First, the **Before** codeunit of the **Custom Template** is executed, then the **Before** codeunit of the **Base Template**. After the base template has finished processing, the **After** codeunit of the **Base Template** is executed, and finally the **After** codeunit of the **Custom Template**.

## PASSING PARAMETERS TO THE ON AFTER CODEUNIT FROM A BASE TEMPLATE

A **Base Template** cannot generate parameters for an **OnBefore** codeunit from **variables**, since data reading has not yet started. However, it **can** store **Template Parameters** if the **Send to Codeunit** column is enabled in their section.

| Name 1 | Name for Users   | Value      | Enabled                             | Send to Codeunit                    |
|--------|------------------|------------|-------------------------------------|-------------------------------------|
| pDate  | Date parameter   | 2026-01-01 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| pDate2 | Date parameter 2 | 05-03-2026 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

For an **OnAfter** codeunit to receive values as parameters, it is sufficient to enable the **Send to Codeunit** field in the fields list of any template line. This option can only be enabled if a variable name has been defined.

In the following example, we have used the **PMSCUSTOMERS** template and enabled the **Send to Codeunit** column on the **Force** line, which is the line that saves the customer data into our extended table called **Hotel Customers**.

It is worth noting that, in this case, we have configured the **Variable Id** column solely so that the values can be passed as parameters to the codeunit.

| Field ID | Field Name    | Tag | Order 1 | Serie No. | Get Serie When | Get From | Field Value | Mapping (Imports) | Enabled Map              | Variable Id | Send to Codeunit                    | Formula                       | Con... |
|----------|---------------|-----|---------|-----------|----------------|----------|-------------|-------------------|--------------------------|-------------|-------------------------------------|-------------------------------|--------|
| 1        | Id.           |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | Id          | <input checked="" type="checkbox"/> | vid                           | No     |
| 2        | No.           |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | CustCode    | <input checked="" type="checkbox"/> | 43000000+vCustCode            | No     |
| 3        | Name          |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | Name        | <input checked="" type="checkbox"/> | vGivenName vSurname vSurname2 | No     |
| 4        | Address       |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | Address     | <input checked="" type="checkbox"/> | vCustAddress                  | No     |
| 5        | Post Code     |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | PostCode    | <input checked="" type="checkbox"/> | vCustPostCode                 | No     |
| 6        | City          |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | City        | <input checked="" type="checkbox"/> | vCustCity                     | No     |
| 7        | Country       |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | Country     | <input checked="" type="checkbox"/> | vCountryName                  | No     |
| 8        | Country Code  |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | Iso2        | <input checked="" type="checkbox"/> | vCountryISO2                  | No     |
| 9        | Phone         |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | Phone       | <input checked="" type="checkbox"/> | vCustPhone                    | No     |
| 10       | E-Mail        |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | E-Mail      | <input checked="" type="checkbox"/> | vCustE-Mail                   | No     |
| 11       | Document Type |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | TypeDoc     | <input checked="" type="checkbox"/> | vDocTypeName                  | No     |
| 12       | Document No.  |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | NumberDoc   | <input checked="" type="checkbox"/> | vDocumentNumber               | No     |
| 13       | Customer Type |     | 0       |           |                |          |             | 0                 | <input type="checkbox"/> | TypeName    | <input checked="" type="checkbox"/> | vCustTypeName                 | No     |

For this value storage functionality, it is very important that in our Open Entity configuration we have defined the **Max. Iterations Store** field with a value greater than zero in the **Run Codeunit** action of the template.

| Action ↑ | Codeunit Id. (Onbefore) | Name (Onbefore) | Codeunit Id. (Onafter) | Name (Onafter)  | Max. Iterations Store(Vars) | Enab...                             |
|----------|-------------------------|-----------------|------------------------|-----------------|-----------------------------|-------------------------------------|
| → Export | 0                       |                 | 72139606               | NOW Run OnAfter | 10000                       | <input checked="" type="checkbox"/> |
| Import   | 0                       |                 | 72139606               | NOW Run OnAfter | 10000                       | <input checked="" type="checkbox"/> |

If its value is zero, the codeunit parameters (variables) will not be stored.

When the test codeunit for **Base Templates** is executed, our programmed code will display a dedicated page (**OE Context Dump**) showing all the variables and parameters stored during the data reading process that were marked with **Send to Codeunit**, limited to the number of iterations (“records”) configured in the **Max Iterations Store (Vars)** column.

| Param Name ↑ | Iteration No. ↑ | Value      |
|--------------|-----------------|------------|
| Codeunit     | 0               | ON BEFORE  |
| pDate        | 1               | 2026-01-01 |
| pDate2       | 1               | 05-03-2026 |

| Param Name ↑ | Iteration No. ↑ | Value                                     |
|--------------|-----------------|---|
| Codeunit     | 0               | ON AFTER                                  |
| aDate        | 1               | 2026-01-01                                |
| aDate2       | 1               | 05-03-2026                                |
| Address      | 1               | AV. Bulevar Alfonso Hohenlohe, [REDACTED] |
| City         | 1               | Marbella                                  |
| Country      | 1               | SPAIN                                     |
| CustCode     | 1               | 430000000                                 |
| EEmail       | 1               |   |
| Id           | 1               | 0   |
| Iso2         | 1               | ES  |
| Name         | 1               |   |
| NumberDoc    | 1               | [REDACTED]                                |
| pDate        | 1               | 2026-01-01                                |
| pDate2       | 1               | 05-03-2026                                |
| Phone        | 1               |   |
| PostCode     | 1               | 29602                                     |
| TypeDoc      | 1               | National Id Document                      |
| TypeName     | 1               |   |
| Address      | 2               | Complejo Mirall Balear [REDACTED]         |
| City         | 2               | Palma De Mallorca                         |
| Country      | 2               | SPAIN                                     |
| CustCode     | 2               | 430210024                                 |

If we do not want the parameters to be propagated to the codeunit and we want to save them in variables, we will put the parameters in the Formula column. The first two lines correspond to two template parameters that we have stored in variables in the fields of the first template line.

OE Template Base

PMSCUSTOMERS

Copy-Paste Export Data Excel Run Process Save File Archive Copy Template Rename Duplicated Tags Make Import Rule Permission Run Codeunits Vars & Formulas

Lines New Line Delete Line Use Key Clear Key Excel Header Excel Line Indent

| Target Table ID | Target Table Name | Indentation | Related Table ID | Tag       | Operation | Don't Do if | Table Trig...            | Key | Fields | Formu... | Filter |
|-----------------|-------------------|-------------|------------------|-----------|-----------|-------------|--------------------------|-----|--------|----------|--------|
| → 72139624      | NOW Import Buffer | 0           |                  | list      | Only Read |             | <input type="checkbox"/> |     | 2      | Yes      |        |
| 72139624        | NOW Import Buffer | 2           | 72139624         | customers | Only Read |             | <input type="checkbox"/> |     |        | No       |        |

TableData - 72139624

OE Field Lines New Edit List Delete Delete All Get & Enabled All Enabled All Disable All Check Duplicates Enabled Selected Disable Selected

| Field ID | Field Name | Tag         | Order ↑ | Series No. | Get Serie When | Get From | Field Value | Mapping (Imports) | Enabled Map              | Variable Id | Send to Codeunit                    | Formula |
|----------|------------|-------------|---------|------------|----------------|----------|-------------|-------------------|--------------------------|-------------|-------------------------------------|---------|
| → 1      | A          | date        | 0       |            |                |          |             | 0                 | <input type="checkbox"/> | aDate       | <input checked="" type="checkbox"/> | pDate   |
| 2        | B          | anotherdate | 0       |            |                |          |             | 0                 | <input type="checkbox"/> | aDate2      | <input checked="" type="checkbox"/> | pDate2  |

All related information, including the code of this codeunit, save a log of executions and the way to access the parameters, will be made available in a separate document specifically dedicated to Developers.