EDI Framework

BE-terna EDI framework quick guide

BEterna

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1   Introduction

BE-terna's EDI solution is a technical **framework** that basically enables reading and writing of all EDI formats and files. It is available as a standalone BE-Plus module for Dynamics 365 Finance and Operations (Enterprise Edition).

Implemented basic processes in the Standard module:

- **Sales**
    - Import ORDER (order)
    - Import ORDCHG (order change)
    - Export ORDRSP (job confirmation)
    - Export INSDES (picking lists)
    - Export DESADV (delivery note)
    - Export INVOICE (invoice)

- **Purchasing**
    - Export ORDER (order)
    - Import ORDRSP (job confirmation)
    - Import DESADV (delivery note)

- **Warehouse**
   - Export INVRPT (stock)
    - Import INVRPT (stock)

Other formats can be implemented with extreme ease by importing the required objects (categories, tables, forms). EDIFACT, XML and CSV file formats are supported.

The framework only provides the basis for carrying out b2b EDI. Project-specific settings and adjustments – such as setting up reports or the message layout in particular – are always necessary.

Also, no additional third-party tools such as MS BizTalk, AIF or DIXF are needed; the solutions needed are extensively provided by BE-terna.

2   Overview

The EDI Sales, EDI Purchasing and EDI Inventory sections can be activated individually. All sections form part of one BE-Plus EDI licence.
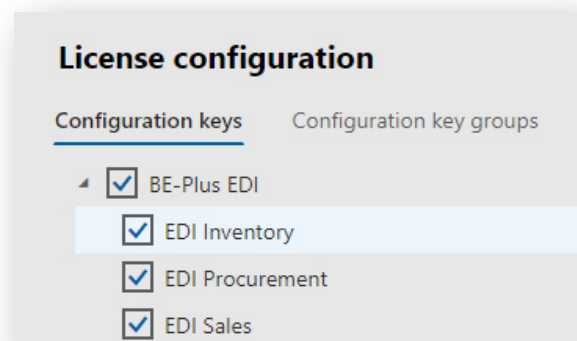
In addition to the three workspaces for warehouse, purchasing and and sales processes, there
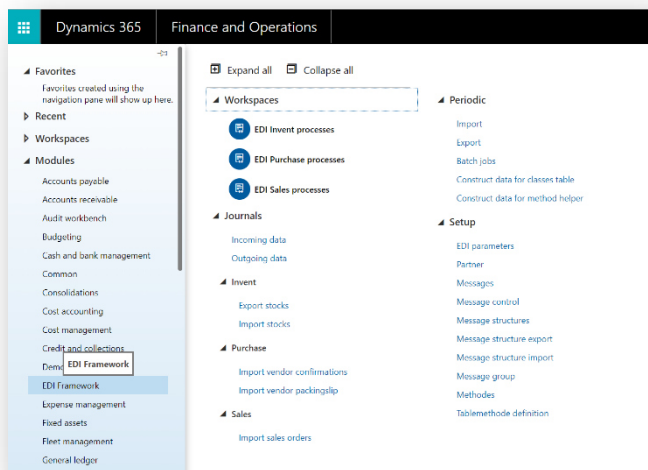
is a section for recording and editing incoming and outgoing EDI messages (data). The staging tables for imports and exports can also be called up and edited here, organised by sections. In addition to a range of periodisable applications, the main basic EDI parameters, message layouts, EDI partners and methods are defined in the

Settings section.

2.1   Layout

2.1.1   Workspaces

The BE-terna EDI framework comprises three workspaces (which can also be selected via the dashboard) for the main sections. Here, the user gets a quick overview of the status of the current EDI processes in the respective section.
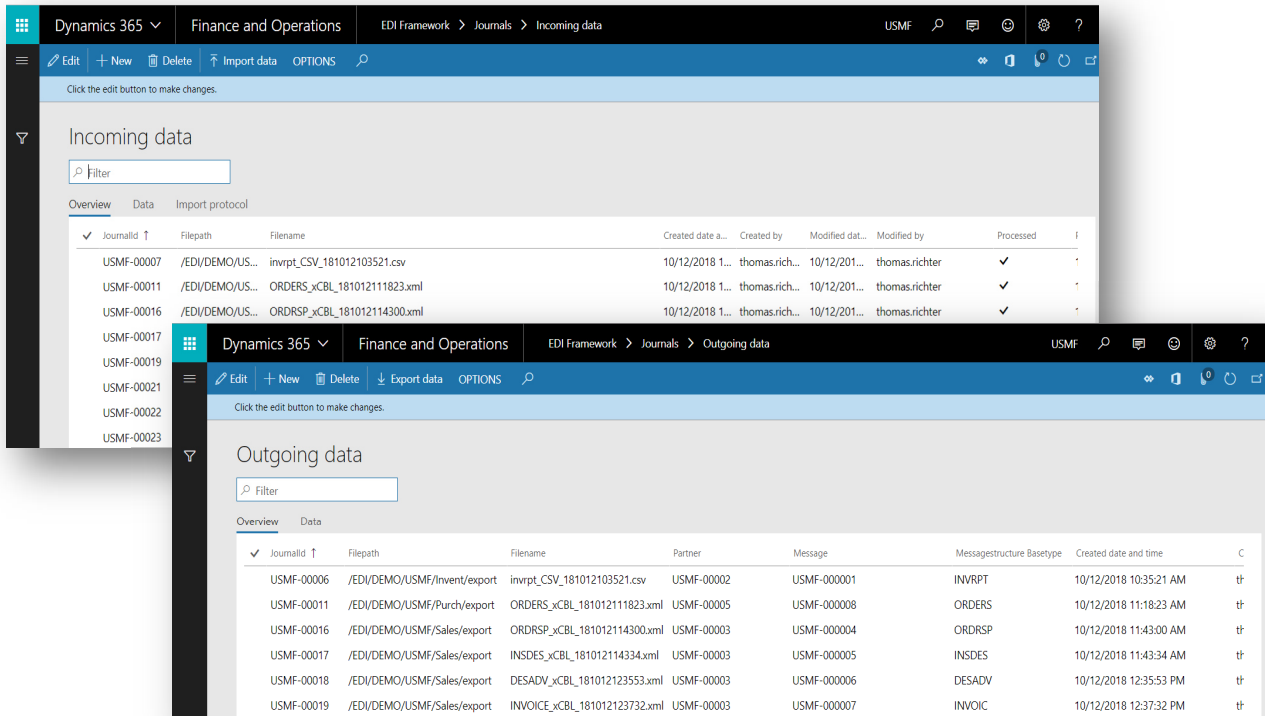
All of the selected section's EDI journals are displayed in the overview.

Depending on the selected job type or journal, individual or several selected journals can be activated or deactivated for import or export and thus for further processing. The same functions are also available in the

respective EDI FastTab at the individual journal's level for individual editing, e.g. once changes have been made to the journal.
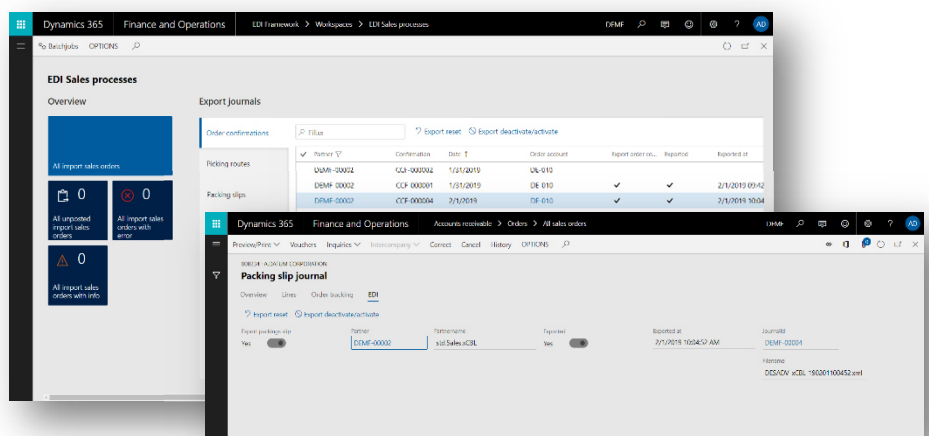
2.1.2 Captures

Incoming or outgoing data provides an overview of the data records that have been read in by Flow or manually or that have been provided for output.

The entries relating to Warehouse / Purchasing and Sales then contain the journals that were generated from this incoming data or that formed the basis of this outgoing data.

2.1.3 Periodical

In the Periodical section, the import and export programs can be interactively called up or configured for the batch run. Filters enable exact configuration.
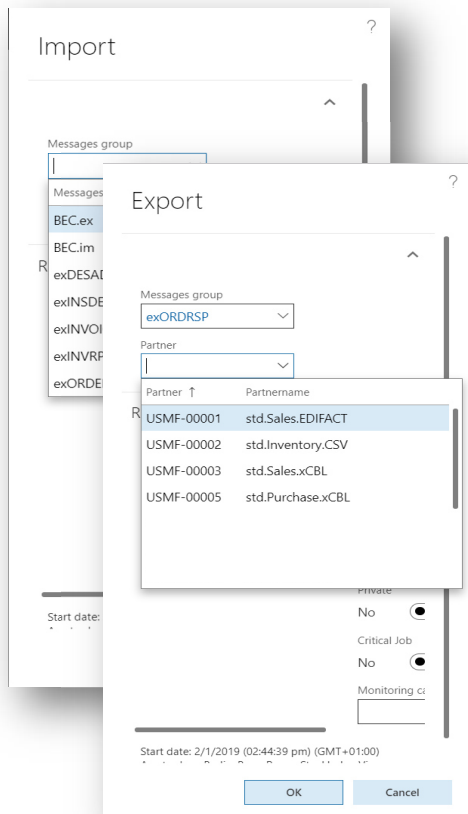
The results of these import and export runs are displayed in the Batch Jobs application.

'Category Tables Layout' structures the table of categories that can be used in the reports.

The program must always be launched when

• starting with the EDI framework;

• starting a new client with EDI functionalities;

• new import or export categories have been developed; or

• the name or the category ID changes for existing import or export categories.

The 'Methods' table is filled from the definition in the 'Table Methods Definition' using 'Method Support Layout'. It must be executed whenever the data model changes, i.e. when new tables can be imported / exported or new fields are added to existing tables.

2.1.4 Settings

The framework's basic parameter settings are made in Settings. To name but a few examples, these include the number ranges to be used, the general storage directories and the journal names for stock and advice notes. The EDI partners are created and the partner-specific EDI settings are made in the partner form. These include, for example, defining a partner-related storage directory, a partner GLN (for conversion) or processing rules for processing messages. The partner reports are also defined here, i.e. all import and export processes that are active for this EDI partner. An overview of the EDI reports issued with the partner is also displayed.
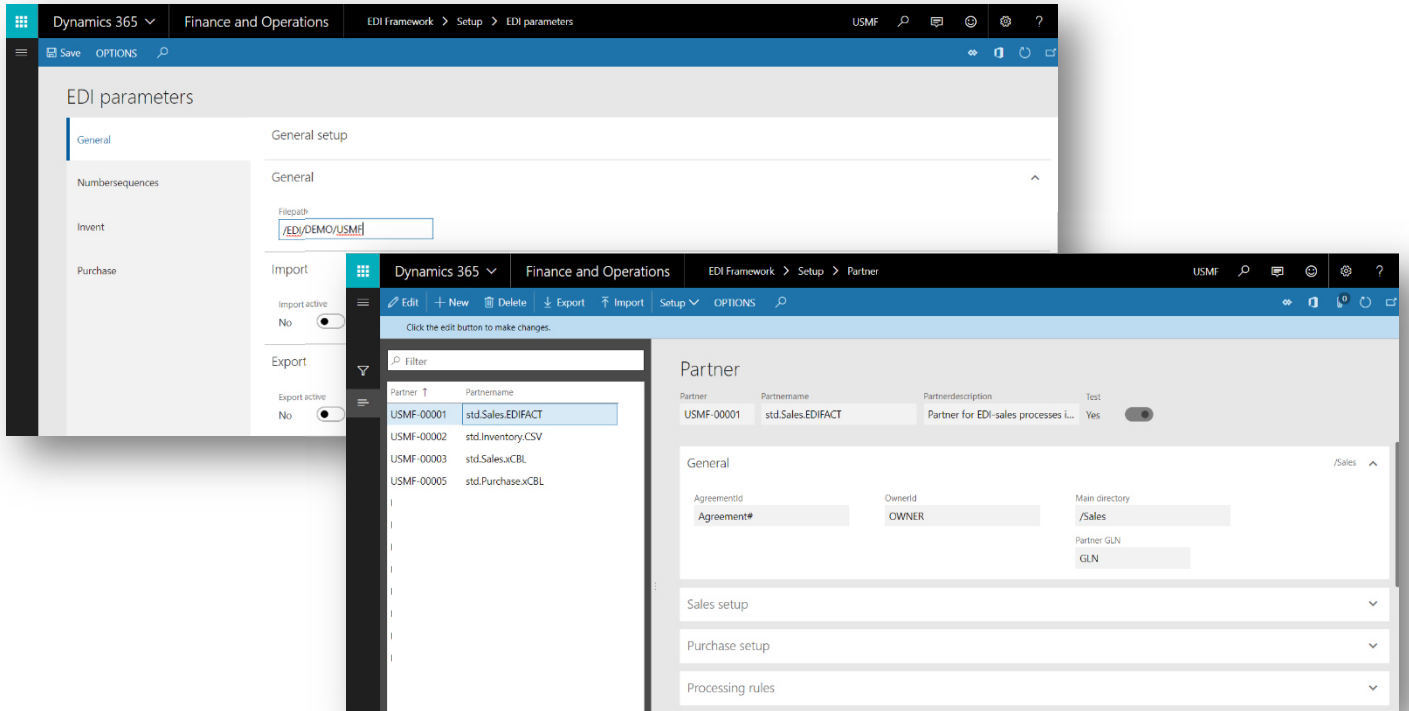
The partner settings can also be used to control the output of journals during EDI import (sales jobs only). Whether output is to take place is controlled in the partner reports.
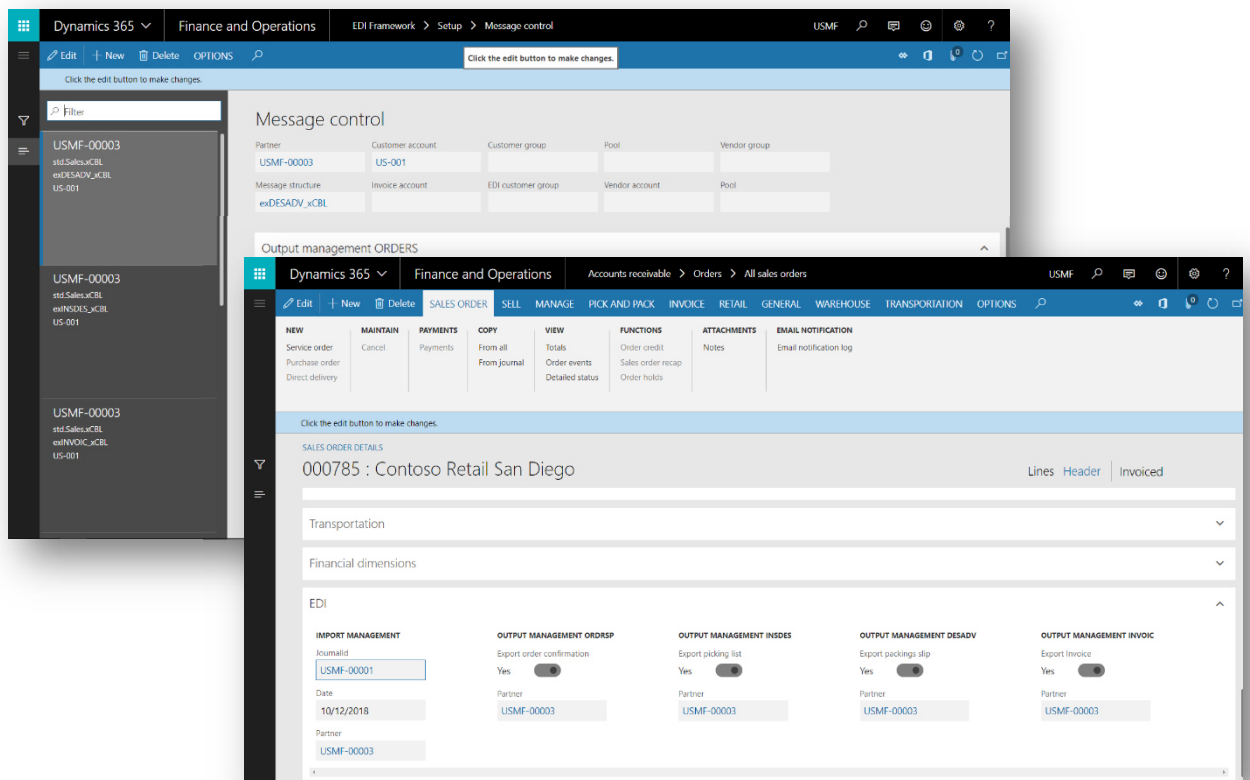
The reports to be assigned to the partner are created in the Reports form. Message Control regulates the automatic assignment of jobs to EDI partners. If certain criteria are met, the EDI fields in jobs or orders are filled.

Message layouts are used when setting up the message structure. The message layouts are assigned to the partners via the reports.
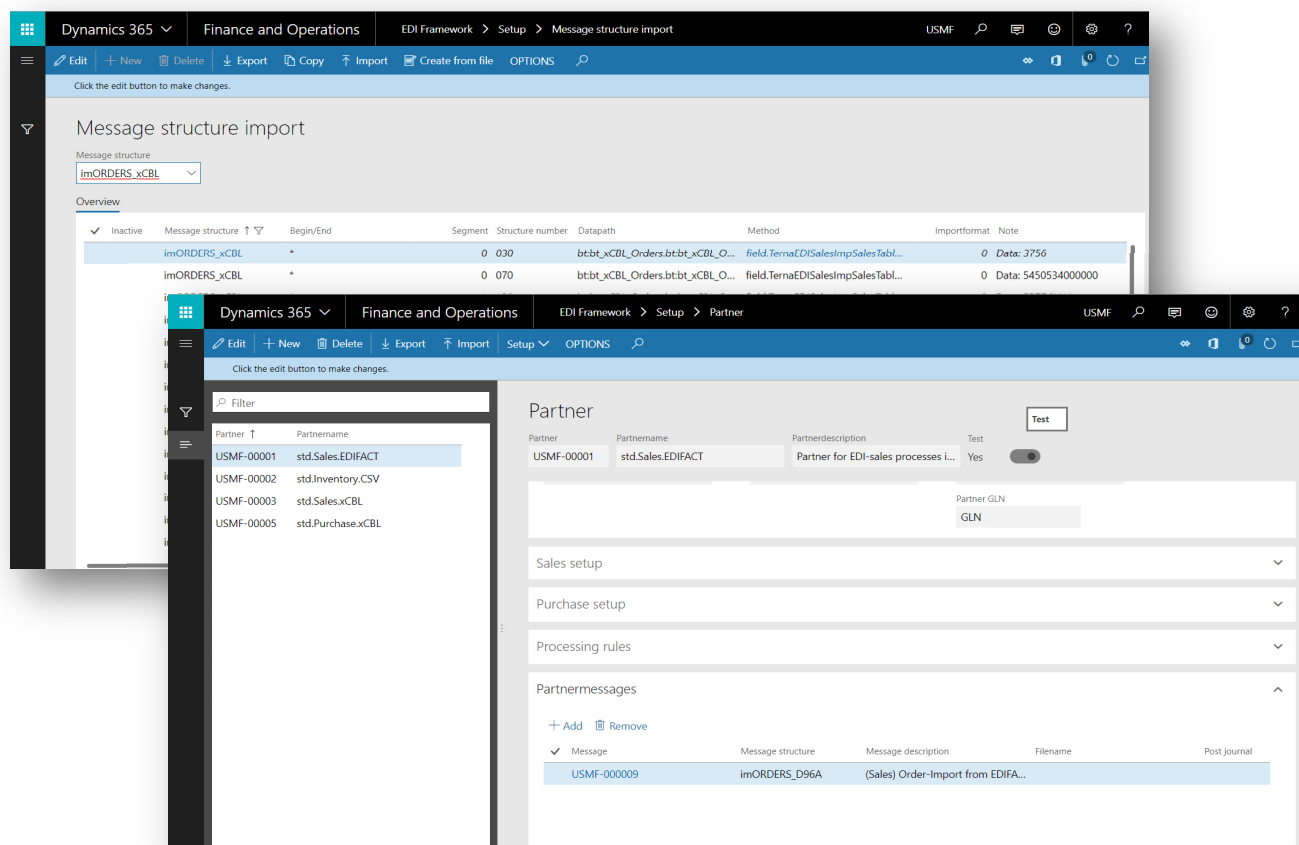
3   Process

Incoming data is generated by uploading entities (e.g. MS Flow) or manual data import. Once the upload has been successfully completed, the data is mapped to partners via Message Control during the subsequent import process. Jobs or similar items can be generated from the settings, processing rules and partner reports saved for the partners. For exporting e.g. job confirmations or invoices, the process is

the other way around. The generated messages in the outgoing data can then, in turn, be output again automatically or by manual export (file directory).