apportunix

TECH TRADE

ESSENTIALS

V1.16.0.0

IN MICROSOFT DYNAMICS 365 BUSINESS CENTRAL

USER SCENARIO DOCUMENTATION

Table of Contents

Change Log

Version number	Description
V1.0.0.0	Initial released version
V1.10.0.0	Added support for the following languages: - German - Norwegian - French - Swedish - Spanish - Danish Deleted the item copy functionality (is now standard functionality in Dynamics 365 Business Central) Introduced two batches to close the old purchase and sales price records
V1.12.0.0	The batches to close old purchase and sales price records now show a message once they are finished, also showing a count of updated records.
V1.16.0.0	Rebranding of app.

Introduction

The Tech Trade Essentials extension provides a collection of features and improved and new functionalities that will benefit many Microsoft Dynamics 365 Business Central customers active in the trade sector. These functionalities are developed for companies active in the wholesale of technical goods, but not limited to those companies, as the functionalities will benefit many other customers who wholesale goods.

The extension is a collection of multiple features and will continually be improved and extended with new functionalities. Currently the extension comprises the following:

- ✓ Orig. Unit Price and Line Discount %
- ✓ Manual price
- ✓ Price Signaling
- ✓ Item Price Import/Export
- ✓ Close old purchase/sales price agreements

The details of these modules will be presented in the next chapters of this documentation

Installation

The Tech Trade Essentials extension can be installed from the Extension Marketplace (AppSource).
To install the extension, please follow the following steps:

1. In Microsoft Dynamics 365 Business Central, go to **Setup & Extensions > Extensions**
2. Open the Extension Marketplace (AppSource) via: **Manage > Extension Marketplace**
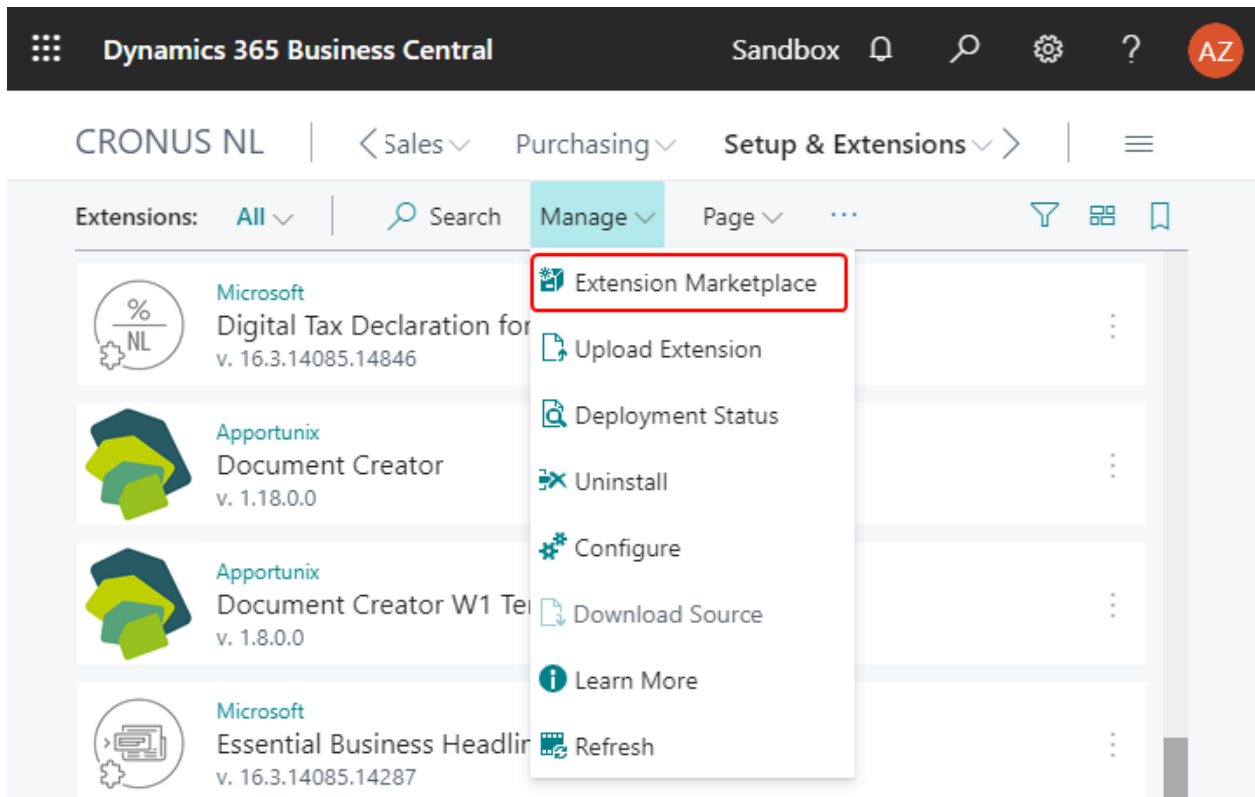
3. Search for and select "Tech Trade Essentials" (By Apportunix)
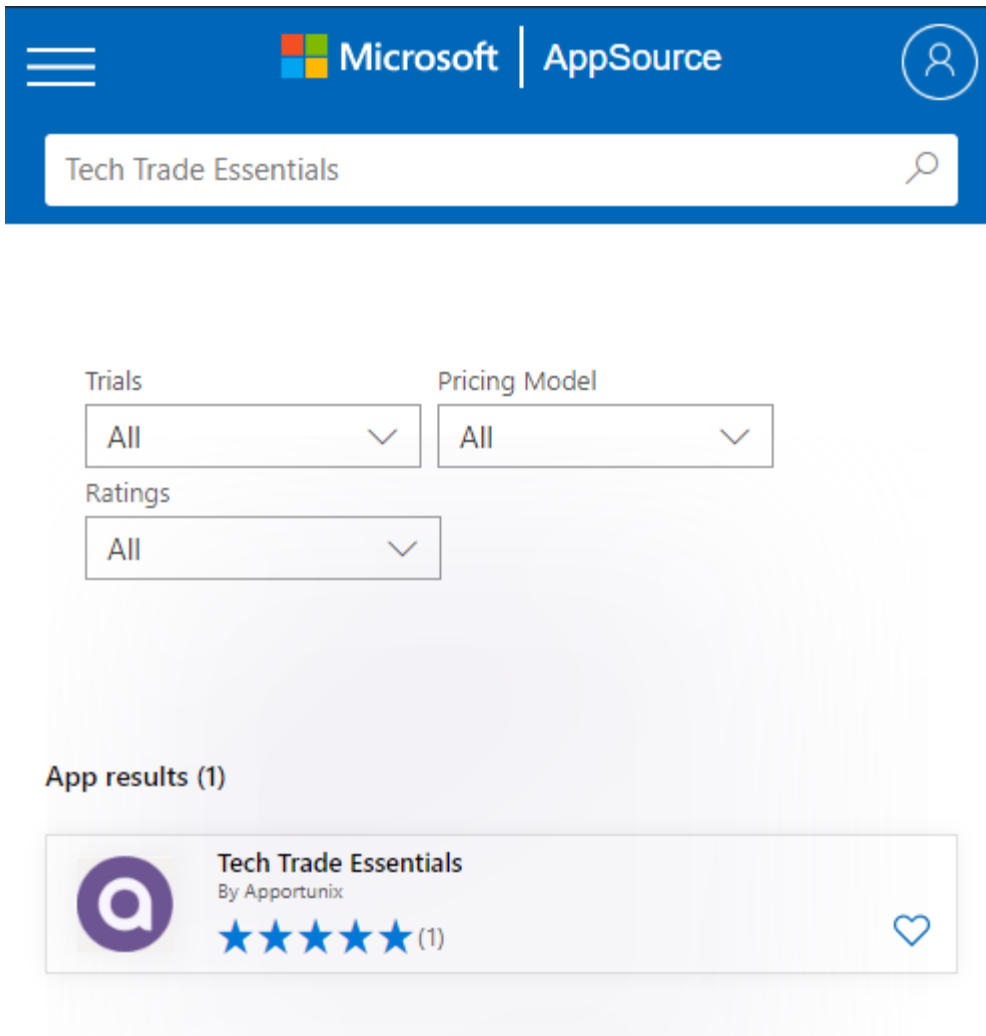
4. Please take note of the End-User License Agreement and Privacy Statement
5. Choose **GET IT NOW**, enter your details, and follow the further steps in the **Extension Installation** page that will open in Microsoft Dynamics 365 Business Central.

Apps > **Tech Trade Essentials**

Tech Trade Essentials ♡ save for later

Apportunix

★★★★★ 5.0 (1)

Overview   Reviews

Pricing
Free

Products
Dynamics 365 Business Central

Publisher
Apportunix

Acquire Using
Work or school account

Version
1.14.0.0

Categories
Operations & Supply Chain
Sales

Industries
Distribution
Manufacturing & Resources

Support
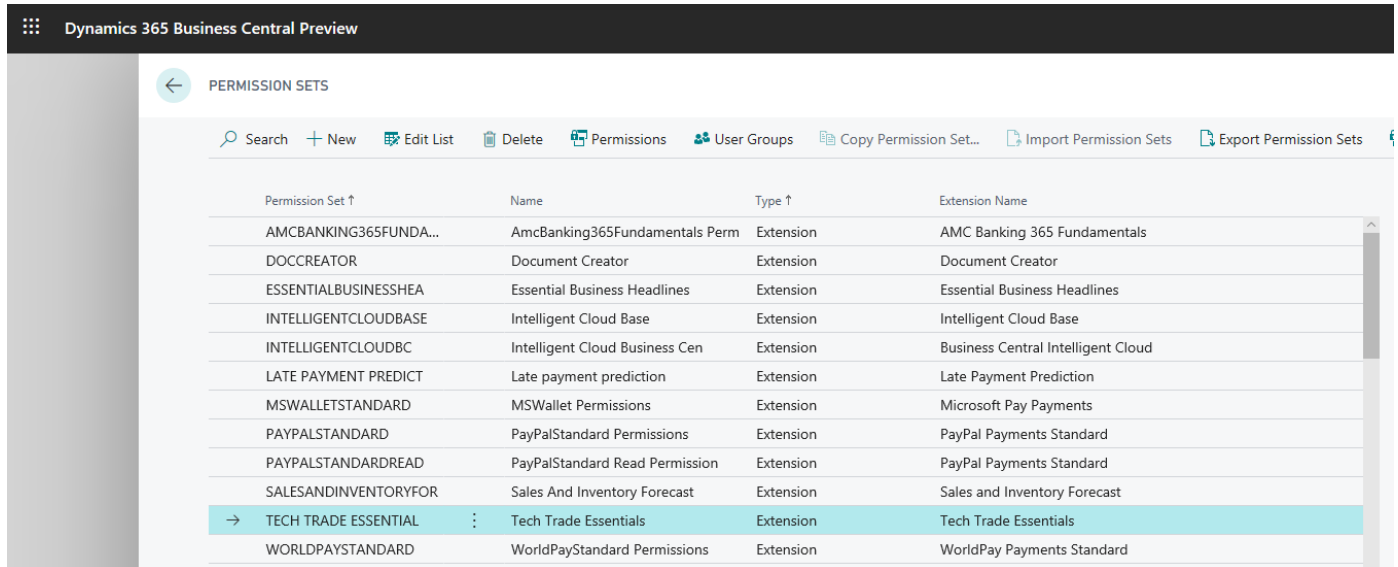Support
Help

Legal
License Agreement
Privacy Policy

For wholesale companies: import items & prices, manage old prices and get notifications in orders.

Do you want to manage by exception, instead of checking every document? Are you a wholesaler with an extensive item database, and do you have a hard time keeping up with the suppliers price-updates? And even though you import the new prices on a regular base, you are still unsure if a price in a sales document is up to date? Let our Tech Trade Essentials app do assist you on these recurring tasks, so you can concentrate on what you do best!

With a large portfolio, maintenance of your items can be a time consuming task. Using Excel-based imports can be a time consuming task, and a small mistake can have a large impact. Excel is a great tool, and it is smart, but it can be a bit too smart. Chances are that number formats are incorrectly interpreted, causing wrong prices in your price lists. By saving the price list as a CSV file and import the CSV file, you have two advantages: no more formatting issues, and a much, much shorter waiting time when you import 10-thousands of records. Missing items will be created and existing items updated. New price records will be generated and old prices records will receive an end date. When you create sales documents, sometimes you are in doubt if the price displayed is up-to date. With Tech Trade Essentials app, this is all history. When the applied sales price is older than a certain period (from setup), the price is displayed in a red font, so you can contact your supplier to check whether your price info is still up to date.

Permissions Configuration

Once Tech Trade Essentials extension has been installed, the permission set TECH TRADE ESSENTIALS has been added to the system.

This permission set should be assigned to relevant users or user groups.

To assign the TECH TRADE ESSENTIALS permission set to users:

1. Choose the Lightbulb icon on the top right corner of the Microsoft Dynamics 365 Business Central to open search, enter **Users**, and then choose the related link.

2. Select the user that you want to assign permission to. Any permission sets that are already assigned to the user are displayed in the **Permission Sets** FactBox.

3. Choose the **Edit** action to open the **User Card** page.

4. On the **User Permission Sets** FastTab, on a new line, fill in the Permission Set field with TECH TRADE ESSENTIALS

For more information, please refer to Dynamics 365 Business Central documentation - Managing Users and Permissions

Setup and Usage

This chapter provides details about how to set-up and use the various modules of this extension and will present several examples and scenarios to demonstrate the functionalities. A basic understanding of how to work with Microsoft Dynamics 365 Business Central is presumed.

Orig. Unit Price and Line Discount %

Two fields are added to the Sales Line table, i.e. "Orig. Unit Price" and "Orig. Line Discount %". These fields will contain the original "Unit Price Excl. VAT" and "Line Discount %", which were suggested by Microsoft Dynamics 365 Business Central based on the best price principle, when the line was entered. When a user decides to overrule the "Unit Price Excl. VAT" or "Line Discount %" these fields will not be changed.

The fields "Orig. Unit Price" and "Orig. Line Discount %" are also added to all other tables associated to the sales process, i.e. "Sales Quote Line", "Sales Order Archive line", "Posted Sales Shipment Line" and "Posted Sales Invoice Line" as well as in the return order process tables and pages.
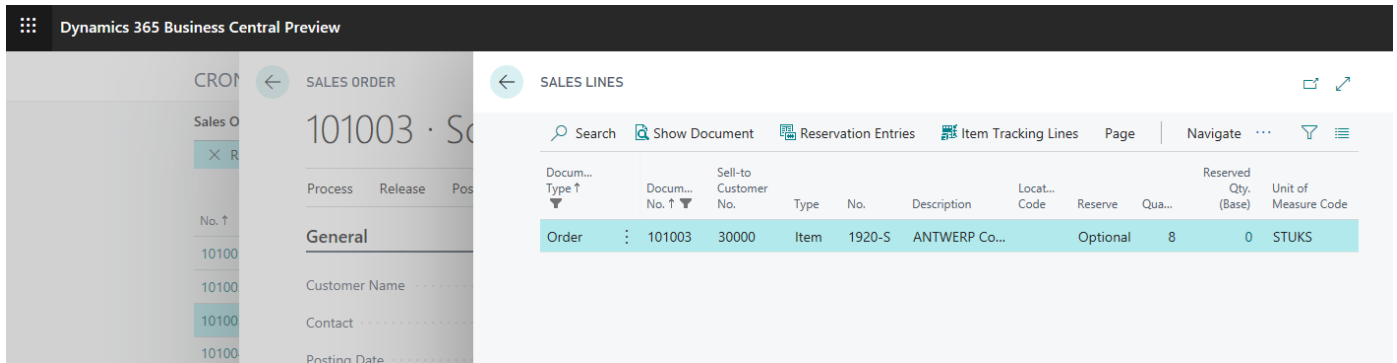
Manual price

This module is built on the previous module. An additional field called "Manual Price", is added to the Sales Line. When a user decides to change the "Unit Price Excl. VAT" or "Line Discount %" manually, this Boolean field will change its value to True. This is triggered by the fact that either the "Unit Price Excl. VAT" or the "Line Discount %" deviates from the "Orig. Unit Price" resp. "Orig. Line Discount %".

In example below in the first line the "Unit Price Excl. VAT" was changed manually and in the third line the "Line Discount %" was added manually.

The "Manual Price" is added to the "Sales Header" as well. When one or more of the "Sales Lines" in the "Sales Order" contains a manual price, the value of this field in the header will change to **Yes**, see picture above. You can select the value Yes to display a list of all the lines in the Sales Order, which contain a manual price:

The field "Manual Price" is also added to the header and lines of all other tables and pages associated to the sales process, i.e. "Sales Quotes", "Sales Order Archive", "Posted Sales Shipments" and "Posted Sales Invoices" as well as in the return order process tables and pages.

You can use this functionality to control margins and sales performances and keep track of how often prices and discount % are changed manually. You can also use this functionality for example in a workflow as a criterion for approval.

Price Signaling

Many wholesale companies regularly receive price and discount lists from their suppliers, on which their own pricing is based. Since these lists often contain large amounts of items and prices, these tables are quite complex to manage and you want to make certain that the "Sales prices" and "Sales discount lines" contain actual information when a "Sales Order" or "Sales Quote" is made.

If a "Sales Line" is entered that contains a price, based on an "old" "Sales Price" or "Sales Line Discount %", the value of the "Unit Price Excl. VAT" will be displayed in red.

To use this signaling, navigate to "Tech Trade Essentials Setup" to set a "Date Formula Price Alert".
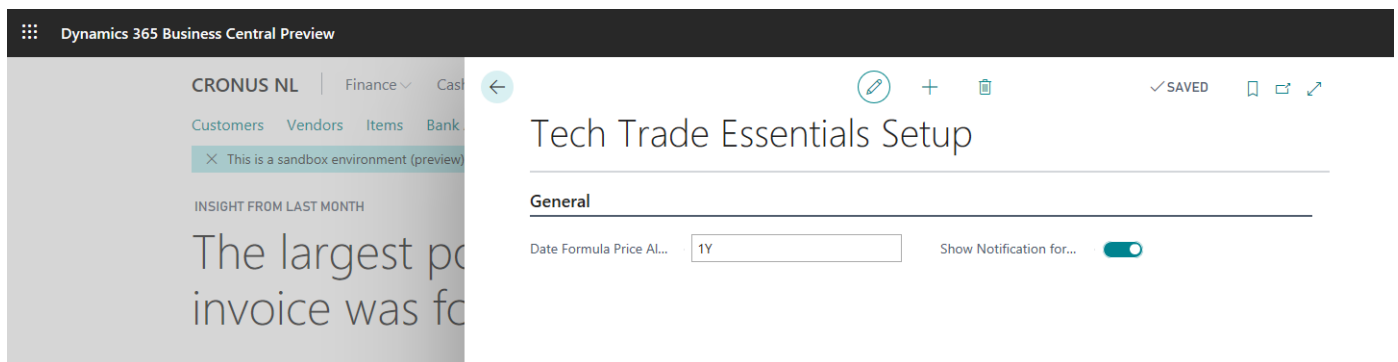
This "Date Formula" will calculate whether signaling should be applied. The calculation is based on the "Starting Date" of the "Sales Price" or "Sales Discount Line" for the particular Item (Group) and Customer (Group).

Consider the scenario below by Navigating to "Items" and selecting an Item, i.e. "1928-S" in example below and select "Special Sales Prices & Discounts" and subsequently "Set Special Prices":
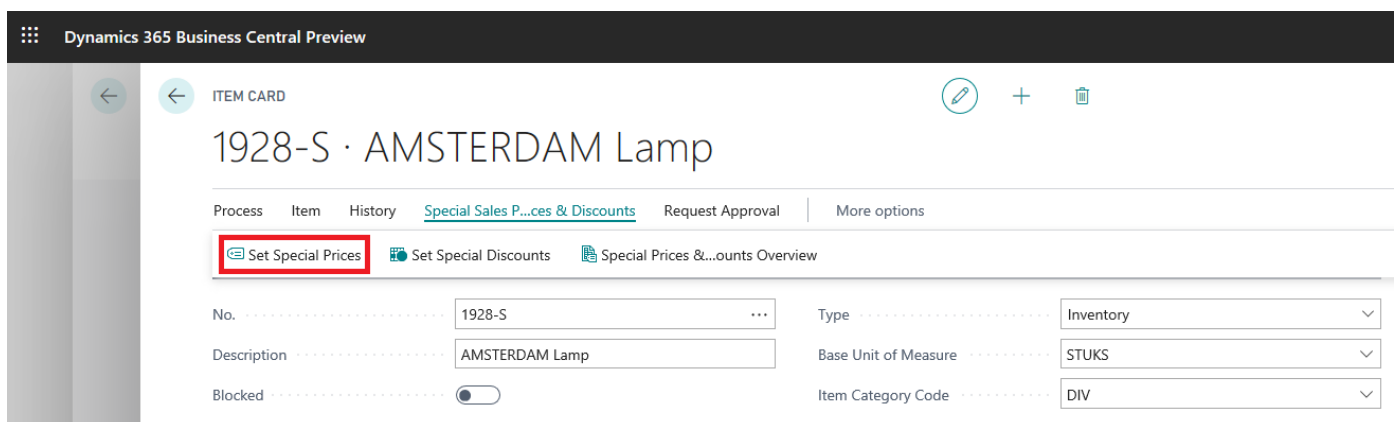
Create a "Special Price" for a Customer with a Starting Date in the past that is longer ago than the "Date Formula Price Alert" based on the "Working Date"

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Create a "Sales Order" for this customer and a "Sales Line" with this "Item No." and for example an "Order date" of 4/8/2019, see picture below. The price in the field "Unit Price Excl. VAT" will be shown in red color as a signal that the "Sales Price" or "Sales Discount %" is overdue:
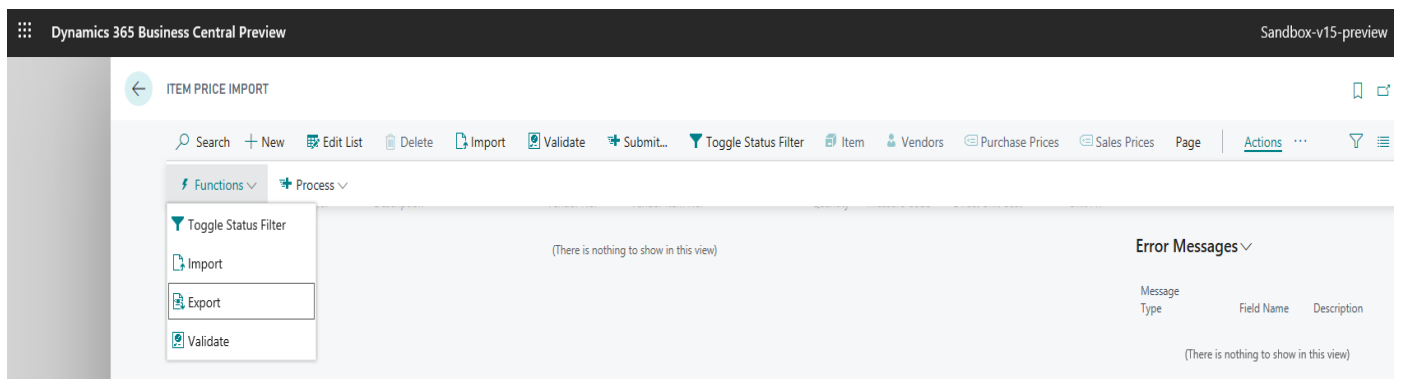
Item Price Import/Export

As indicated before, managing and maintaining the large Sales and Purchase Price tables can be quite cumbersome. It is quite common that suppliers provide new price lists once or more times each year and that you as a wholesale trader need to update your sales prices as well at the same rate. Furthermore, these lists may contain items that are not present in Microsoft Dynamics 365 Business Central yet. Although RapidStart provides the opportunity to import such data, this functionality is not very flexible.

Tech Trade Essentials comes with a flexible import functionality that can not only import purchase and sales prices at the same time, but also create items if the item is new. It is also not required to have your own "Item No." in the import document, as the import function will also recognize the item based on the "Vendor Item No." and "Vendor No."

Furthermore, this function circumvents several issues you may encounter with differences in the formatting of the dates and numbers between the import files and Microsoft Dynamics 365 Business Central, because this function is based on a csv-format (comma separated).

To use this functionality, navigate to "Item Price Import". It is advised to start with an export, even though the table may be empty, to create a csv-export file in which it is clear what the order of the columns in the import file should be. To do this select Actions > Functions > Export.

A file under the Name "ItemPricesExport.csv" is saved in your local Downloads folder. When you open this document in Excel you will find the following columns which are used for the import:

|	A	B	C	D	E	F	G	H	I	J	K	L
1	Vendor No.	Vendor Item No.	Item No.	Description	Minimum Quantity	Direct Unit Cost	Unit Price	Starting Date	Ending Date	Tariff No.	Country/Region of Origin Code	Net Weight
2												
3												

With this mapping you can convert your data to this lay-out. Once you have done this, you need to save the file as a csv-file. You do not need to delete the first row containing the column headers as the import will automatically discard these.

Consider the following scenario in which there are 4 records in an import file:

	A	B	C	D	E	F	G	H	I	J	K	L
1	Vendor No.	Vendor Item No.	Item No.	Description	Minimum Quantity	Direct Unit Cost	Unit Price	Starting Date	Ending Date	Tariff No.	Country/Region of Origin Code	Net Weight
2	20000	45455		Item 01	1	10	20	1-1-2019	12-31-19		CN	
3	20000	11111		Item 02	1	20	40	1-1-2019				
4	60000	AG0123		Item 03	1	30	60	2-1-2019				
5	30000		1928-S	Item 04	1	40	80	3-1-2019				

In the first 3 records there is no "Item No.", but "Vendor No." and "Vendor Item No." are given. Furthermore, for all rows there is a "Direct Unit Cost" and "Unit Price" and a "Starting Date". Furthermore, there is also the possibility to import / adjust the "Tariff No.", "Country/Region of Origin Code" and/or "New weight" of the items.

To import a file, select Actions > Import from the "Item Price Import" page.
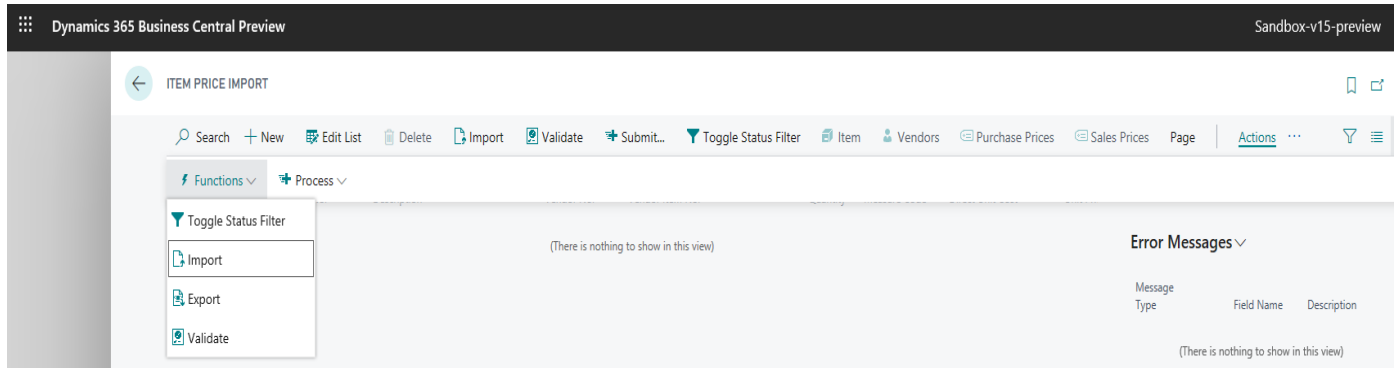
A pop-up appears where there are several options to choose:
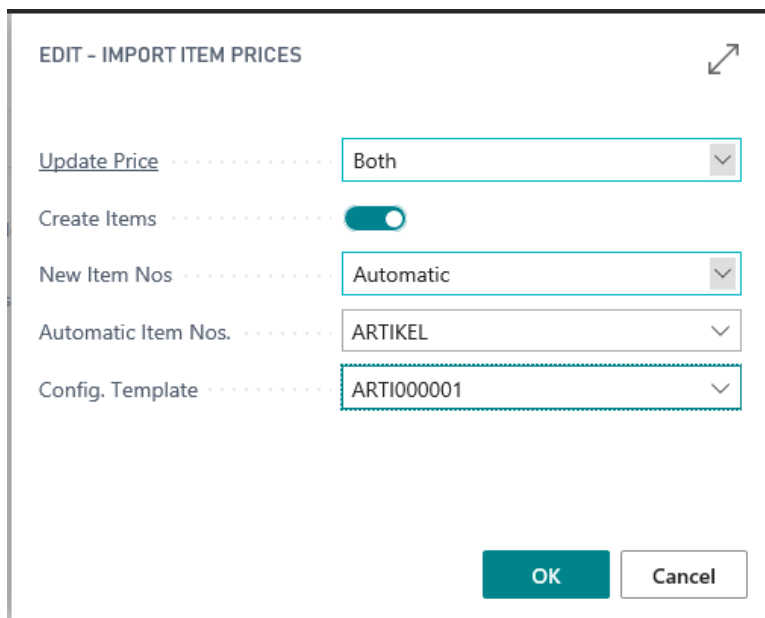
In "Update Price" you can select "Unit Cost", "Unit Price" or Both.

- ✓ If you select "Unit Cost" both the "Unit Cost" on the Item card as well as a record in the "Purchase Price" table is updated or inserted. The "Unit Cost" on the Item card can only be modified if the Microsoft Dynamics 365 Business Central logic allows that. For example, the "Unit Cost" of items with "Item ledger entries" present cannot be modified.
- ✓ If you select "Unit Price" both the "Unit Price" on the Item card as well as a record in the "Sales Price" table is updated or inserted. This "Sales Price" record will be a record for all Customers.
- ✓ If you select Both, obviously both options above will be executed.

If "Create Items" is selected, new items will be created for records in the import file for which no items could be found in the database. In that case both the "Item No." in the import must have been empty or not existing as well as the combination "Vendor No." and "Vendor Item No." could not be traced to an existing item.

If "Create Items" is selected, you can choose out of 3 options how the new item should be numbered in the field "New Item Nos".

- ✓ In case "Item No." is selected, the value in the column "Item No." in the import file is used as the new "Item No."
- ✓ In case "Vendor Item No." is selected, the value in the column "Vendor Item No." in the import file is used as the new "Item No."
- ✓ In case Automatic is selected, a new "Item No." is generated based on the number series properties you can select in the next field "Automatic Item Nos."

In the last field "Config. Template" you can select the configuration template that will be used for the creation of new items. This template will be used for all new items in the same import file.
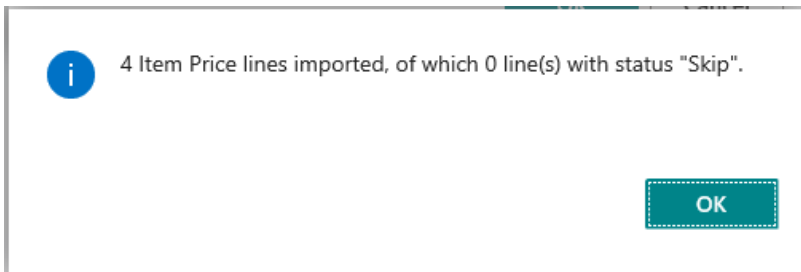
After filling out this pop-up, you can select OK, after which the following pop-up appears:
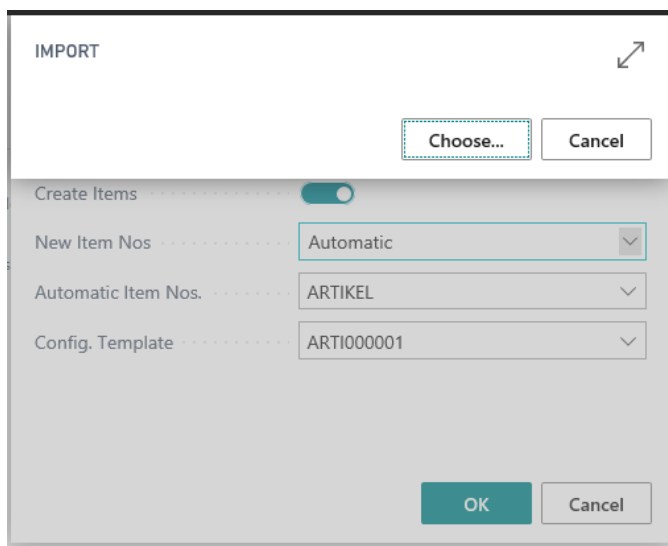
By selecting Choose, Explorer will be opened where you can select the file that you wish to import:
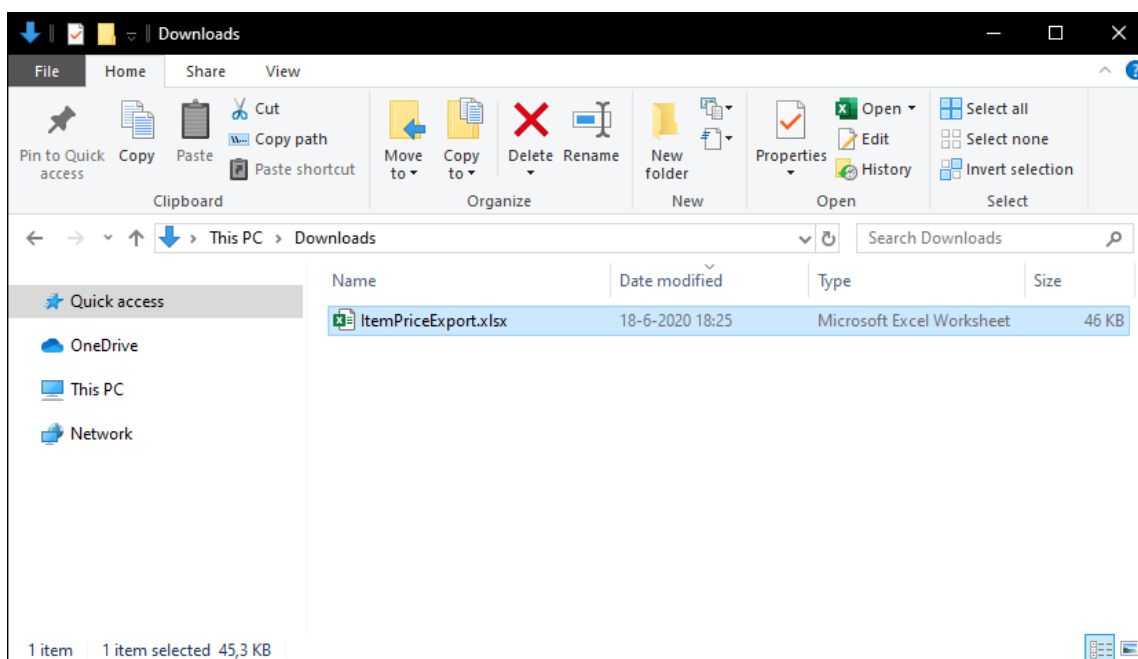
By selecting "Open" the import will start and after this has been done a message will appear, indicating how many lines have been imported:


The import of the example file shown above will result in the situation, presented below. For lines 1 and 2 the "Item No." was found based on the "Vendor No." and "Vendor Item No." present on the item card. Line 4 contained an item present in the database. Line 3 apparently contains a new item.

In this page you can still make changes before these lines are submitted. You can select Process > Validate to check whether the data are valid. If not, an error message will appear in the Fact box for the invalid lines. You can resolve the error messages or delete the line to proceed. If these errors are not resolved these lines will be skipped.
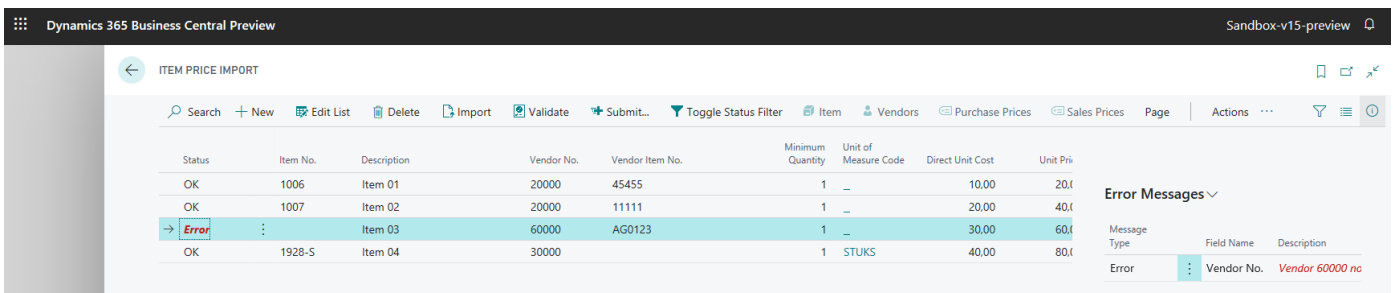
After the data have been checked, adjusted where necessary and revalidated you can select Process > Submit to submit the lines.

The following screenshot displays the item list, filtered for the items in the scenario, after submitting. You can see that the "Unit Cost" and "Unit Price" have been adjusted for these items except for the "Unit Cost" of item "1928-S", where it was not allowed.
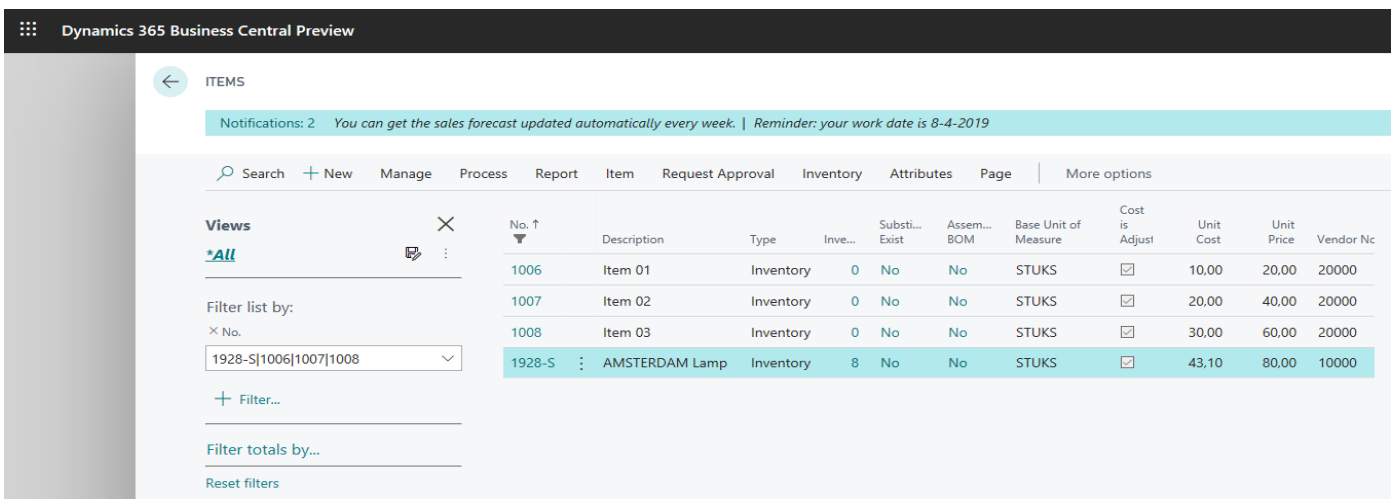
If you navigate to the Sales Prices from a random item and adjust the filter settings to the items in the scenario, you will also see that records are generated for these items as well:

Close old price records

When new prices are imported, chances are that there are old prices records, that have a starting date prior to the new records and an open end date:

In case the prices in the new agreements are higher, the system will still select the old price in the sales or purchase document. To prevent this, the old records should receive an end date. For this, two batches are included in the Item Price Import screen:

- Close Previous Purchase Prices
- Close Previous Sales Prices

These batches can be selected from the actions menu:

When the batch is executed, the system will Search for records that have a blank ending date. If a record is found, it then searches for records with:

- the same minimum quantity
- the same item number
- the same Sales Type & Code
- the same Unit of Measure code
- new Starting Date

In case a record is found, the record with the older starting date will be updated with an ending date that is one day before the starting date of the newer record: