



The Retail Innovators

SAP Dynamic Pricing by GK

Globalization Guide

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1 Overview

This document describes how the product handles globalization requirements such as:

- User Interface messages, labels, etc.
- Country-specific data input: characters, calendar, sorting, formatting of numbers and date
- Currencies and rounding
- Currency conversion
- Taxation

2 User Interface Text

The user interface displays country-specific text as:

- Labels for fields, columns, tooltips
- Messages

These texts are bundled in a language bundle. The user interface supports a set of language bundles. The client reads the locale settings from the browser and tries to find a matching language pack automatically. If there is no matching language pack, the client picks the default language pack English (en-US). The user can change that setting in the menu. The client saves that information and uses it for the next session, as long as the user does not clean the browser data of the application.

3 Data Input and Sorting

The application reads the locale settings of the browser to adjust these country-specific settings:

- Right-to-left data input (Arabic countries)
- Language-specific character set
- Formatting of numbers (separator)
- Formatting of dates
- Country-specific calendar

If character-based sorting is used, the client uses an appropriate sorting collation.

To support the country-specific character set, the database has to be configured at installation time to support the appropriate locale.

4 Currencies

4.1 One Currency per Business Unit

For a given business unit, the application supports one currency. This currency can be selected and changed in the application configuration settings.

Please note that the application does not display the currency symbol for any amounts.

4.2 Currency Conversion for Import and Export

It is possible to convert prices from one currency to another both for the import of master data and for the export of optimized prices.

Only the standard master data CSV importer and the optimized prices CSV exporter support the currency conversion feature out of the box. It is possible to extend other importers/exporters and use the conversion also for custom importers/exporters by using the SDK.

Therefore you have to configure the source (for import) or the destination currency (for export).

To use this feature, you also have to configure one of the currency exchange data importers that imports the exchange rates for your currencies.

4.3 Currency Rounding

For each business unit, you can configure the base currency. At the end of the price optimization, the application performs a currency rounding check for each optimized price. This ensures that each price is a valid currency amount for the selected currency. Failed checks lead to an error in the price computation protocol and the price is discarded.

To prevent errors, each price strategy can get the configured currency and use the SDK for currency-specific rounding APIs. This ensures that the currency amount is valid.

5 Taxation

5.1 Taxation for Price Import, Optimization and Export

The application does not enforce any taxation model for the import, optimization and export of prices. However, for a given business unit the handling of data should be consistent across the price import, the price strategies and the export.

So both modes (including tax or excluding tax) are supported.

5.2 Taxation for Transaction Logs and Statistics

For transaction logs, both sales tax included and excluded values are supported. If the transaction log data supports that, the statistics for turnover aggregate values both for tax included and tax excluded. You can switch between the modes in the user interface.

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