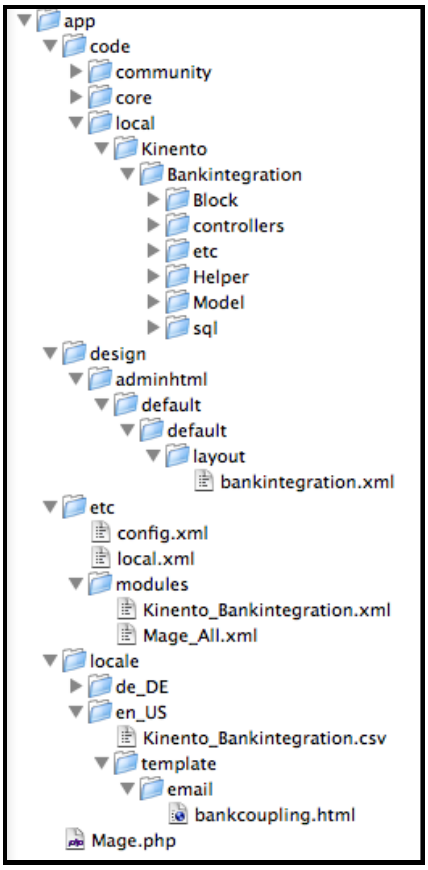
Installation

Installing the module

1. Merge the provided app folder with Magento's root directory (containing an existing app folder). The folder structure should now be similar to:



   Please make sure that:

   a) The folder app/code/local contains the Kinento folder.

   b) The folder app/design/adminhtml/default/default/layout contains the file bankintegration.xml.

   c) The folder app/etc/modules contains the file Kinento_Bankintegration.xml.

   d) The folder app/locale/xx_XX contains the file Kinento_Bankintegration.csv.

   e) The folder app/locale/xx_XX/template/email contains the file bankcoupling.html.

2. Navigate to System → Cache Management. Set All Cache to Refresh and press the Save cache settings button.

3. Log out and log in again to the Magento back-end.

4. Make sure the module is enabled in the System → Configuration → Advanced menu.

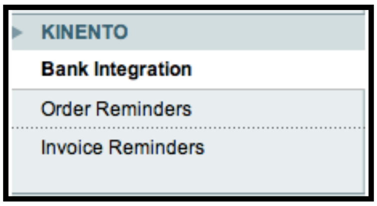
Configuration (1/2)

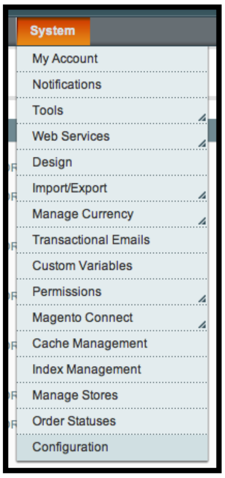
Accessing the configuration panel

To access the configuration panel, perform the following steps:

1. Navigate to System → Configuration.

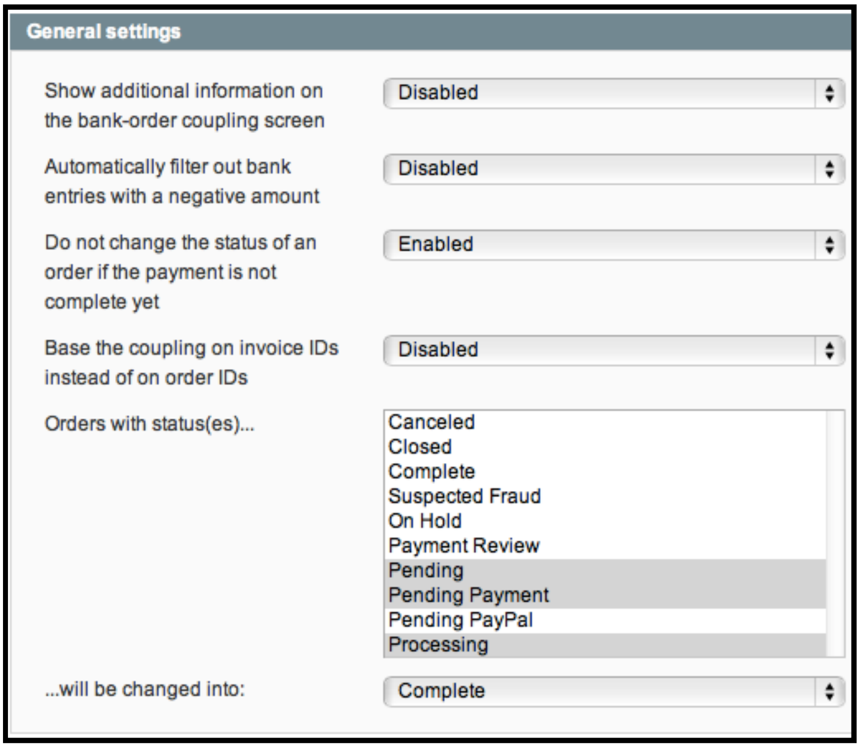
2. In the options tab under Kinento, select Bank Integration.





Configuring the general settings

Under the header General settings, you will find various options to configure the module:



- When Show additional information on the bank-order coupling screen is enabled, additional columns with bank information will be visible.

- Automatically filter out bank entries with a negative amount is a filter to automatically neglect all imported data with a negative transaction amount.

- Normally, the module always changes an order's status after successful coupling. However, with Do not change the status of an order if the payment is not complete yet enabled, the order's status will only change if the paid amount is equal or higher to the order's amount.

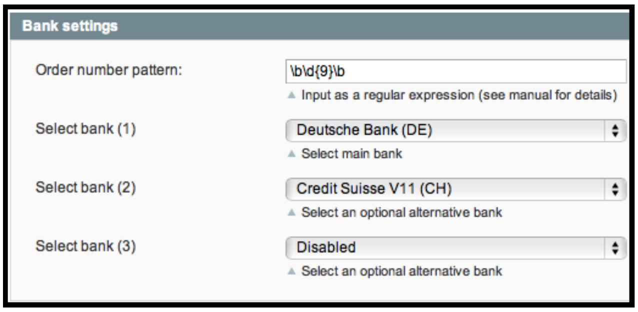
- Base the coupling on invoice IDs instead of on order IDs allows you to match to invoice IDs instead of order IDs.

- With Orders with status(es)... you can select multiple order statuses to consider for coupling. Orders with other statuses will not be considered, even not for manual coupling. With ...will be changed into: you can furthermore determine what status orders will receive after successful coupling.

Configuration (2/2)

Configuring the bank settings

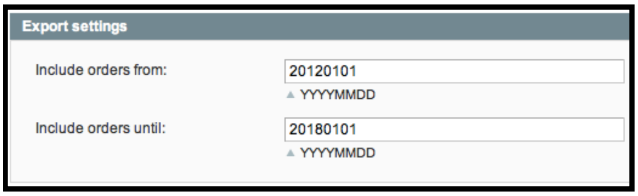
Under the header Bank settings, you will find settings related to importing bank files:



- Order number pattern allows you to specify the order number pattern for which to look in your bank files. For example, an order number pattern can be: a 1 followed by 8 other digits (e.g. 100000428). The pattern has to be given as a *regular expression*, of which a few examples are illustrated under the FAQ section of this guide. More information on *regular expressions* can be found on the internet.
- With the options Select bank (1), Select bank (2), and Select bank (3), you can specify your bank. For normal users, Kinento recommends to select the appropriate bank under Select bank (1), and set the other options to Disabled. In case you are using two or three banks at the same time, you can avoid switching back and forth by selecting a second (Select bank (2)) or third (Select bank (3)) alternative bank. You can even extend the number of banks beyond 3 if you configure multiple shops within Magento.

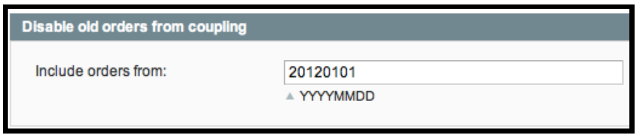
Configuring the export settings

Under the header Export settings, you will find settings related to exporting the (coupled) bank data back to a CSV file. The settings allow you to specify the lower bound (Include orders from) and the upper bound (Include orders until). These settings have to be entered as YYYYMMDD (e.g. 20120105 is the fifth of January 2012).



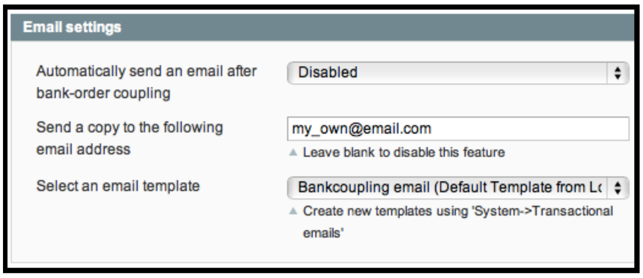
Excluding old orders

Under the header Disable old orders from coupling, you can set a lower bound (Include orders from) to the orders taken into account for this module. Older orders will not be available for manual or automatic coupling.



Configuring the email settings

Under the header Email settings, you will find the following settings:



- Automatically send an email after bank-order coupling allows you to additionally send out emails automatically after coupling to bank data. If left Disabled, the following two options are irrelevant.
- Send a copy to the following email address allows you to send a copy of all emails to your own email address. If you do not wish to use this feature, simply fill in nothing.
- With the option Select an email template, you are able to select which template to use. There is a default template provided for the module, but you can also use Magento's Transaction Emails to create templates through the Magento interface. The default template is written in HTML and can be edited using a text editor (outside Magento).

Usage manual

In the following sections, you will find explanations for the use of each of the pages of the module. In short, the functionality of the module is as follows:

I. The user uploads a bank file to the module (see: **The upload page**).

II. The bank data is parsed and processed by the module. This includes the extraction of an order identifier from the data. The data is made available from within Magento. Duplicate entries are filtered out automatically.

III. The module performs the matching process to Magento orders (see: **The bank/order coupling page**):

   A. Extract a Magento order identifier from one of the fields (fixed per bank) of the bank file. The pattern of the order identifier can be specified (e.g. a 1 followed by 9 other digits).

   B. If the order identifier and the order amount match, the coupling is set to Certain.

   C. If either the order identifier or the order amount match, the coupling is made as a Guess.

   D. Otherwise, the coupling has to be performed manually.

Furthermore, the module provides options to review bankdata (see: **The bank payments tab** and **The review bankdata pages**) and filter out entries automatically (see: **The filter settings**).

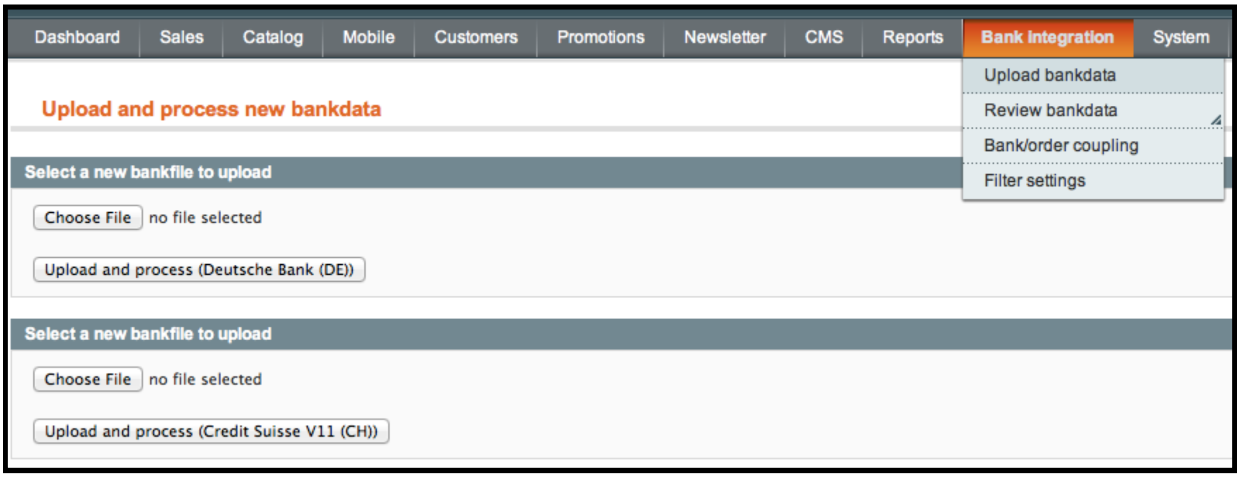
The upload page

Accessing the upload page

Navigate to Bank Integration → Upload bankdata.

Using the upload page

On the upload page, you will find 1, 2, or 3 sections named Select a new bankfile to upload. The sections will show your bank(s) name(s). On this page, you can select a bank file to be uploaded and processed into Magento's system (Choose File → Upload and process (xx)).



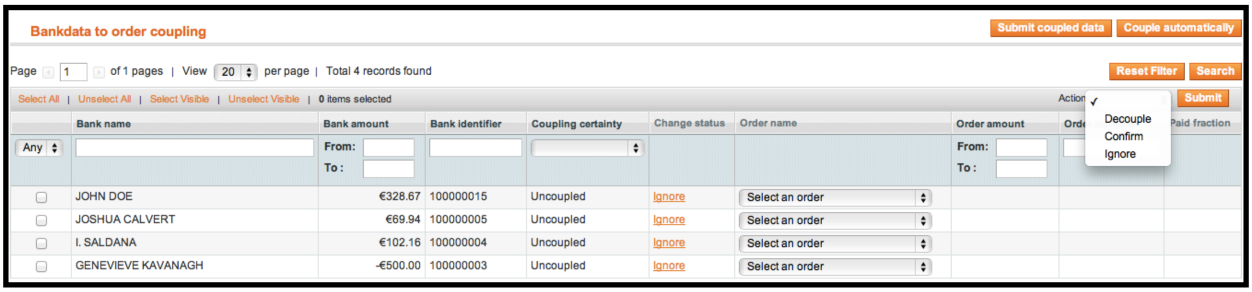
The bank / order coupling page

Accessing the bank/order coupling page

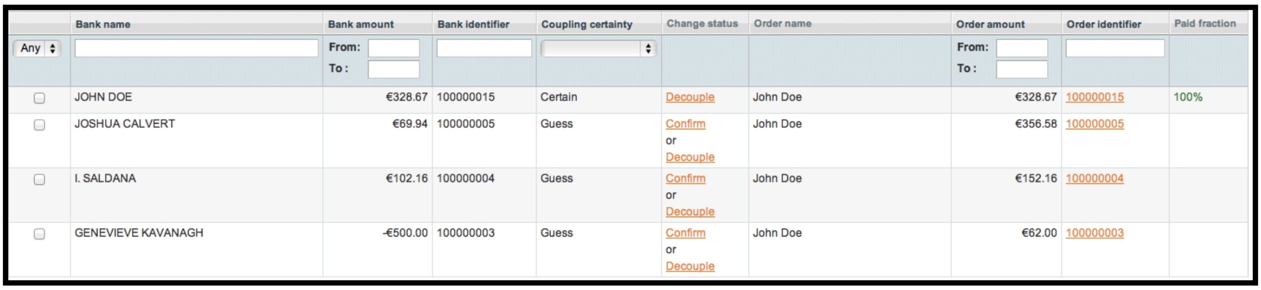
Navigate to Bank Integration → Bank / order coupling.

Using the bank/order coupling page

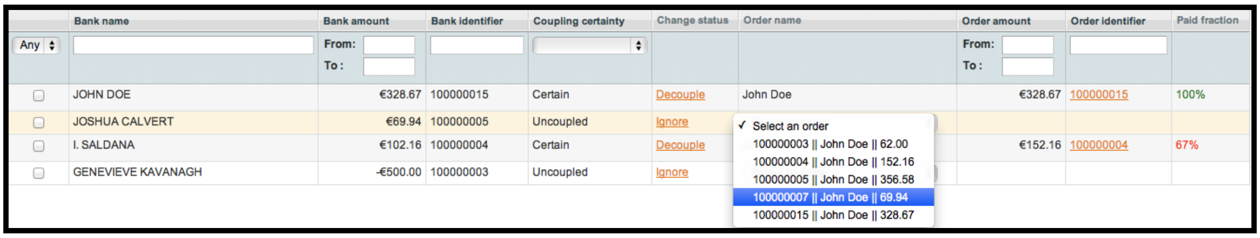
On this page you will find an overview of unprocessed bankdata. If the overview contains rows marked as Uncoupled (as shown below), you can try to couple them automatically using the Couple automatically button.



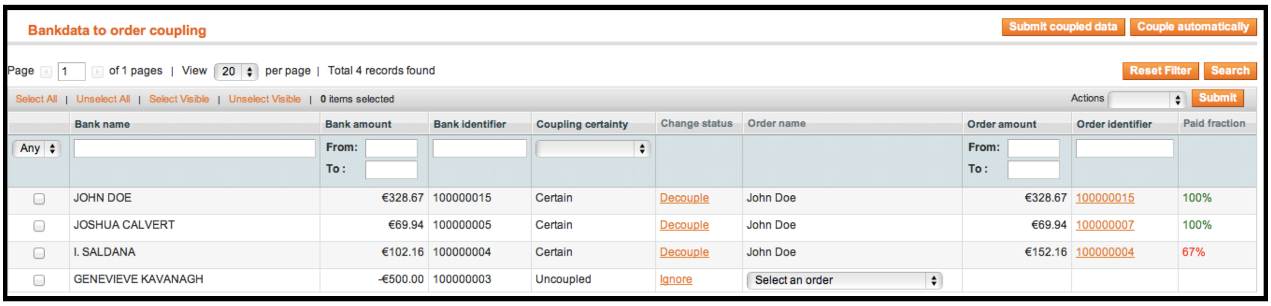
After automatic coupling, the Coupling certainty of the bankdata can change in either Certain (both a matching order identifier and a matching paid amount) or Guess (either a matching order identifier or a matching paid amount). Rows which are marked as Guess can either be decoupled (Decouple) or confirmed (Confirm).



Orders that remain Uncoupled can either be ignored (Ignore) or manually coupled by using the Select an order drop-down menu. Here, you will find a list of orders with the order identifiers, customer names, and the total amount.

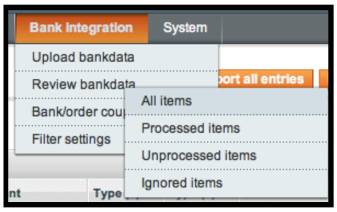


After manual or automatic coupling, the last column will show the paid fraction. Using the Submit coupled data button will confirm the coupling of all bankdata marked as Certain, including the change of order status.



The review bankdata pages

Accessing the review bankdata pages

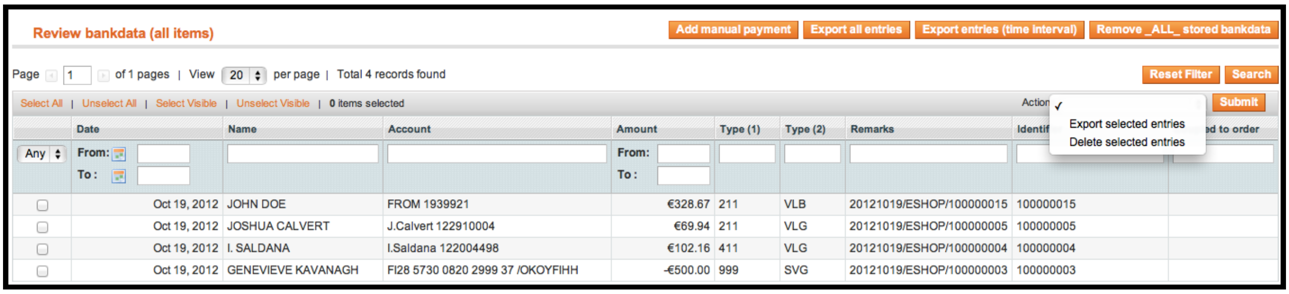


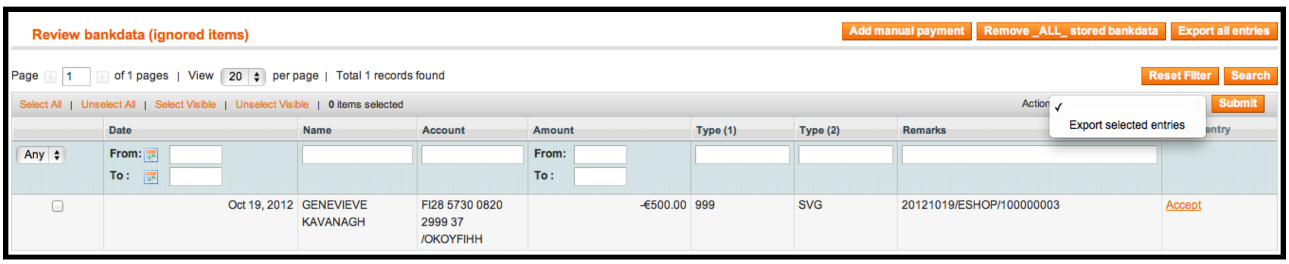
Navigate to Bank Integration → Review bankdata → All items / Processed items / Unprocessed items / Ignored items.

Using the review bankdata pages

On the review bankdata pages, you can see the results of the imported bank files. You can either see all data (All items), those already coupled (Processed items), those still open to process (Unprocessed items), or the ignored data (Ignored items). On these pages, you can perform various tasks:

- Add manual payment allows you to manually add a new entry, without importing this from a bank file.
- The actions Export all entries, Export entries (time interval), and Export selected entries allow you to export the bank data (either all of it, or a pre-defined selection) back to a comma separated values (CSV) file. This can be useful for your own bank administration.
- The actions Remove all stored bankdata and Delete selected entries will remove bank entries from the Magento database. They can be re-added by uploading the bank data again. These options are recommended for debug/testing purposes only. Instead, Kinento recommends to *ignore* unwanted bank entries.
- On the Ignored items page, ignored data can be un-ignored (Accept). This includes data filtered out automatically by the filters (see Filter settings).
- On the Processed items page, coupled data can be un-coupled (Decouple). This reverses the coupling process, including reversal of the order status to one of the set statuses (note: the module does not save the old status, but obtains this from the settings).





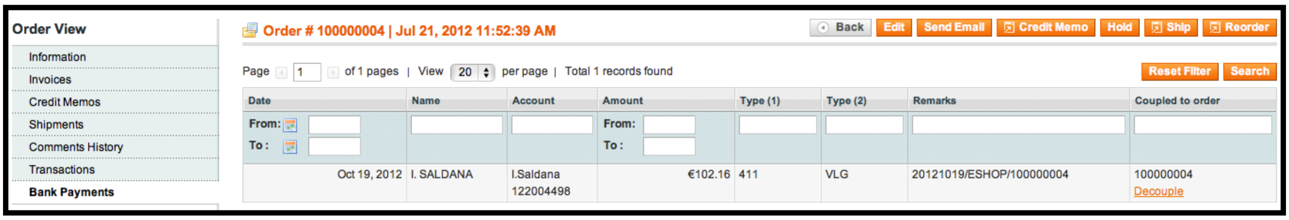
The bank payments tab

Accessing the bank payments tab

Navigate to Sales → Order and select an order. Select the Bank payments tab.

Using the bank payments tab

On the bank payments tab you will have an overview of all transactions made to a single order. This gives you a per-order overview of processed bankdata.



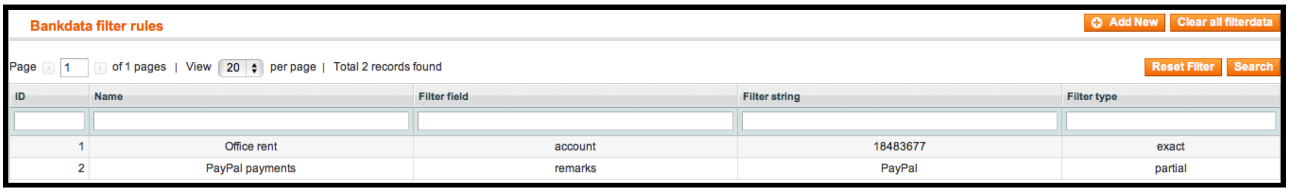
The filter settings

Accessing the filter settings

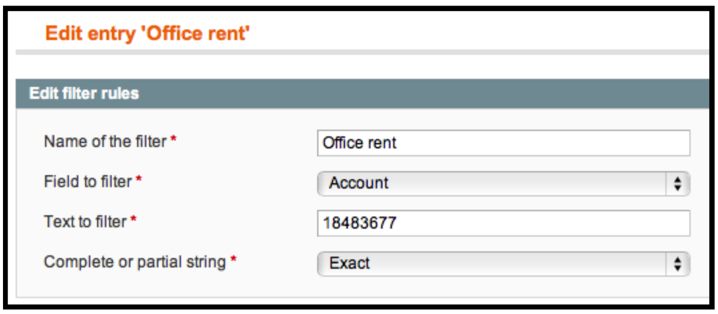
Navigate to Bank Integration → Filter settings.

Using the filter settings

On the filter settings page you can add, remove, or edit filters. These filters allow you to automatically filter out entries from imported bankdata. The bankdata matching these filters will not be removed, but will be marked automatically as Neglected and can thus be reviewed and re-added under Ignored items.



Using the Add new button or clicking on one of the existing filters allows you to add or modify a filter as follows:



- Under Name of the filter fill in a description. In this example, we create a filter to automatically neglect the monthly office rent.
- Under Field to filter, select one of the bankdata fields on which to apply the filter. The fields correspond to the columns shown in the Review bankdata pages. In this example, we know that the office rent is always paid from a fixed account number.
- Under Text to filter, we fill in the text we want to filter out. In this example, we fill in the account number to which we pay the office rent.
- Under Complete or partial string, we select either Exact or Partial. In this example, we select Exact, which means that the account number should contain the given number exactly: there must be no trailing or leading digits or characters.

Log files

Before performing troubleshooting, open the files var/log/exception.log and var/log/system.log. In these files, search for the word Kinento.

Frequently asked questions

How do regular expressions work?

For a full explanation of *regular expressions*, search the internet with the keywords “php” and “regular expression”. In the table below, you will find a number of example *regular expressions*, their description, and an example pattern that would match (with the match in **bold**).

REGULAR EXPRESSION	DESCRIPTION	MATCHING EXAMPLES
\d\d\d	Three digits	“The numbers **101** and **928**”
\d{3}	Three digits	“The numbers **101** and **928**”
\d{9}	Nine digits	“Order**100000182**online”
\d{9}\b	Nine digits without any trailing digits/letters	“Order**100000182** online”
\b\d{9}\b	Nine digits without any trailing or leading digits/letters	“Order **100000182** online”
\d{9}-\d	Nine digits followed by a hyphen and another digit	“**100000182-1**”
(\d{9}|\d{8})	Nine or eight digits (try nine first)	“**123456789** and **12345678**”
[a-z]{2}\d{7}	Two lowercase characters from the alphabet followed by seven digits	“Orders**AA0001089**and**cc1234567**”

My custom status is not available as an option in the configuration panel. What should I do?

a) Open the file Kinento/Bankintegration/Model/Statuses.php in a text editor.

b) In the getAllOptions function, duplicate one of the existing lines starting with $this->_options[].

c) Change the values for value (important for correct functionality) and label (just for visualization) to match your custom status.