

Portfolio Sync Interface

User manual 6.51.4

Exported from the Help Center on 04/30/2021



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1 Portfolio Sync Interface

Fully automated transaction data import for professional asset management

- Release notes
- [Introduction](#)
- [PSI – What is it and who is it for?](#)
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2 Introduction

This documentation is intended for all users processing securities account information in Infront Portfolio Manager via PSI Transaction Data.



Familiarise yourself with Infront Portfolio Manager first before using Portfolio Sync Interface Transaction Data. Infront Financial Technology GmbH offers trainings where you can obtain the relevant knowledge.

You will also need to know about the installation of Infront Portfolio Manager. This documentation outlines the standard part of Portfolio Sync Interface Transaction Data (also referred to as "PSI"). For specific information about the custodian bank, see the corresponding "PSI Transaction Data <Bank name>" PDF document in the <help\manuals> directory. Both parts combined make up the full documentation for the respective Portfolio Sync Interface Transaction Data.

The following documents provide additional information beyond the scope of this description:

- Infront Portfolio Manager – User Manual Portfolio Management
- Infront Portfolio Manager – User Manual Security Analysis
- MM-Talk Reference – Programming language manual
- Administration manual for Infront Portfolio Manager

See also:

- [Customer Service](#)

2.1 Customer Service

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3 PSI – What is it and who is it for?

With PSI Transaction Data, you can optimise your data loading process in portfolio management and therefore save both time and money. This intelligent securities account interface is of interest equally to banks and independent third-party asset managers (financial intermediaries) in cooperation with custodian banks. External asset managers, who usually maintain business relationships with several banks holding securities, can significantly reduce their administrative costs for their client's securities accounts enabling them to concentrate on their clients. Banks and savings banks benefit in a similar way, provided the backend system used or institution holding the securities account has already been connected to Infront Portfolio Manager using our PSI. The PSI efficiently synchronises the original security portfolio with the data in Infront Portfolio Manager. This is done on the one hand by importing all of the settled transaction data (back to front): purchases and sales of securities, income on securities, corporate actions and much more. On the other hand, orders can be placed directly from Infront Portfolio Manager via the PSI Order Entry to the corresponding custodian bank (front to back). In turn, communication with the trading venues takes place via the custodian bank.

See also:

- [Scope](#)
- [Benefits](#)

3.1 Scope

Your PSI Transaction Data provides automated interfaces for various data, for example:

- Transaction data
- Security prices
- Client and security master data
- Position reconciliation for accounts and securities accounts
- User-defined fields
- ...

3.2 Benefits

The major benefits of PSI:

- Savings in time and money thanks to straight-through processing
- No more tedious, error-prone manual work
- Near realtime portfolio analysis possible
- High level of user convenience, with user-friendly interface
- Quick installation and updates

Your PSI works internally with the Market Data Pool database and processes the data in a standardised ASCII format. Depending on the bank holding the securities accounts, data is transferred via encrypted transfer routes.

Being based on a flexible architecture, PSI can be adapted for various banks. Infront Financial Technology GmbH is a company independent of banks and can, on request, create a specification for connecting additional banks. Please refer to the product information brochure (PIB) for the PSI currently available. To request this information, please contact the Customer Service department of Infront Financial Technology GmbH.

4 Install and configure PSI

This chapter contains the most important information on system requirements, login and settings in the user administration.

See also:

- [System requirements](#)
- [Installation](#)
- [Update](#)
- [PSI and user administration](#)
- [Start PSI](#)

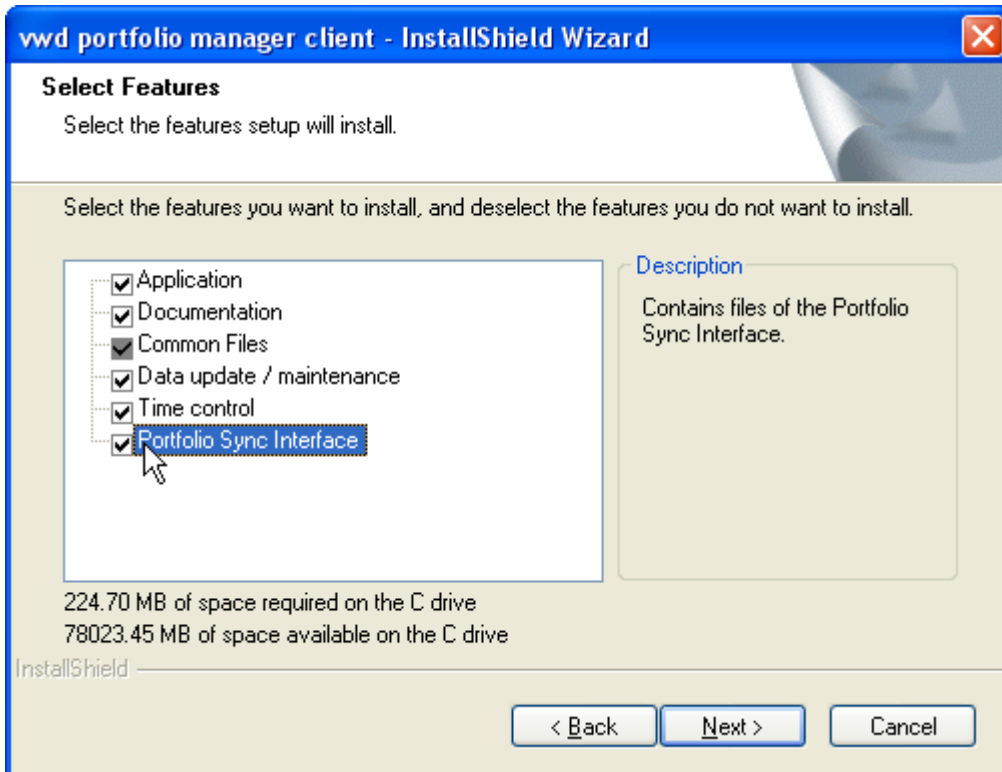
4.1 System requirements

PSI requires a correct installation of the corresponding Infront Portfolio Manager. For example, the PSI version 6.40.1 also requires a Infront Portfolio Manager 6.40 and so on. Infront Financial Technology GmbH will gladly provide support on updating Infront Portfolio Manager.

System	Configuration
Processor	Pentium 4; 2.4 GHz or faster
Main memory	2 GB or more
Operating system	Windows® 8 or Windows® 10
Screen resolution	1280 x 1024 pixels resolution or greater (minimum 1024 x 768)
Disk space	300 MB free disk space for the application
Other	Microsoft .NET Framework 3.5 SP1 Microsoft .NET Framework 4.0

4.2 Installation

Install PSI as a separate component of Infront Portfolio Manager by selecting the corresponding checkbox in the Infront Portfolio Manager Installation Wizard.



With the "Portfolio Sync Interface" component, only the basic software for the Portfolio Sync Interface is installed. To use PSI, an [Update](#) is first carried out using the Update Wizard before starting.



It is also possible to install the "Portfolio Sync Interface" component later. It can also be uninstalled at any time.

Please refer to the licence information to see which Portfolio Sync Interfaces Transaction Data are available with your current key. Select HELP, INFO from the main menu of Infront Portfolio Manager. Click the "Licence info" button there.

To configure and use a PSI, you will require the "Start PSI Transaction Data" system permission. Configure as follows:

1. Start and log in to Infront Portfolio Manager with your user name.
2. On the "Data entry" ribbon tab of Infront Portfolio Manager, select PSI TRANSACTION DATA.
3. The Software Update Wizard opens to help you configure (or update) your PSI. Follow the instructions shown in the Wizard.
4. From then on, you should always start PSI via PSI TRANSACTION DATA from the "Data entry" ribbon or, from outside of Infront Portfolio Manager, via <PSI Transaction Data> in the Windows start menu.

4.3 Update

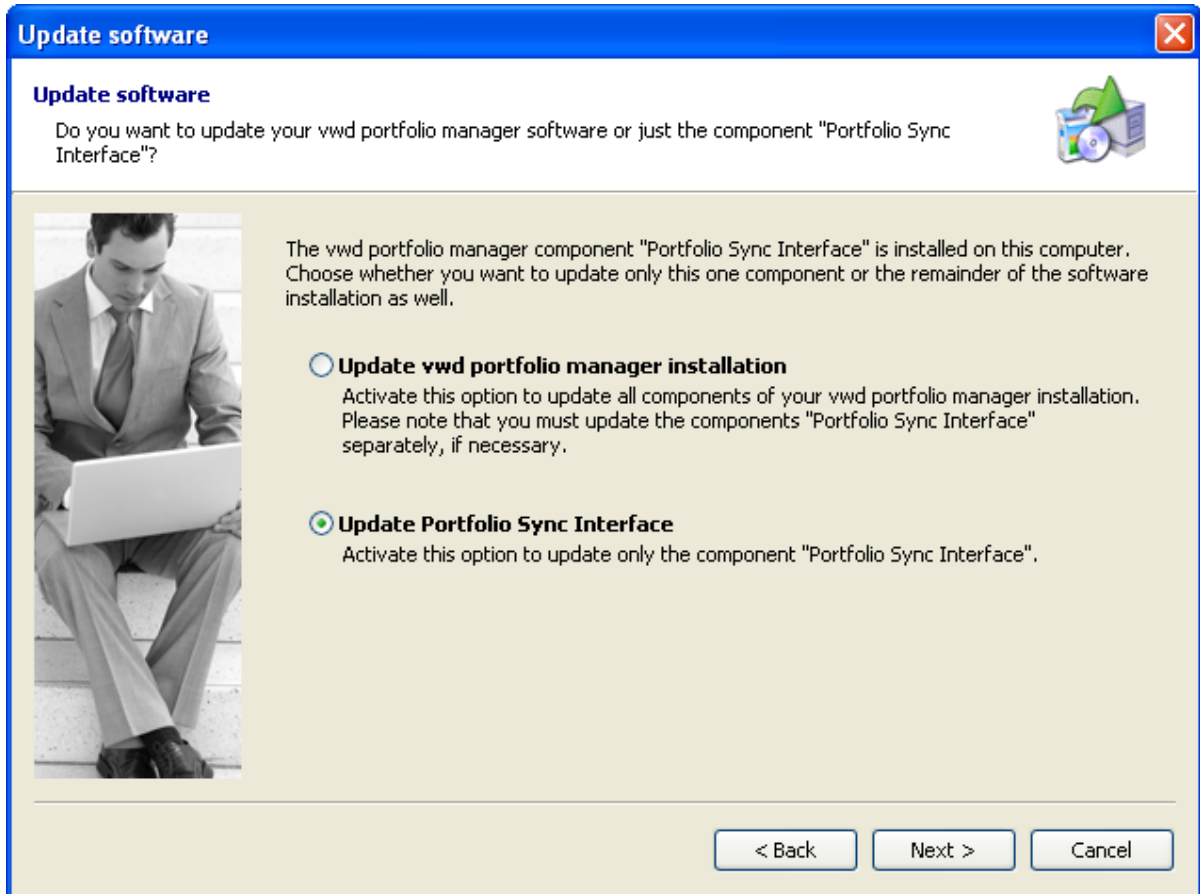


Regular updates for Portfolio Sync Interface are integrated in the data updates (which are usually automated) of Infront Portfolio Manager.

Updating PSI by using the Software Update Wizard is similar to updating Infront Portfolio Manager:

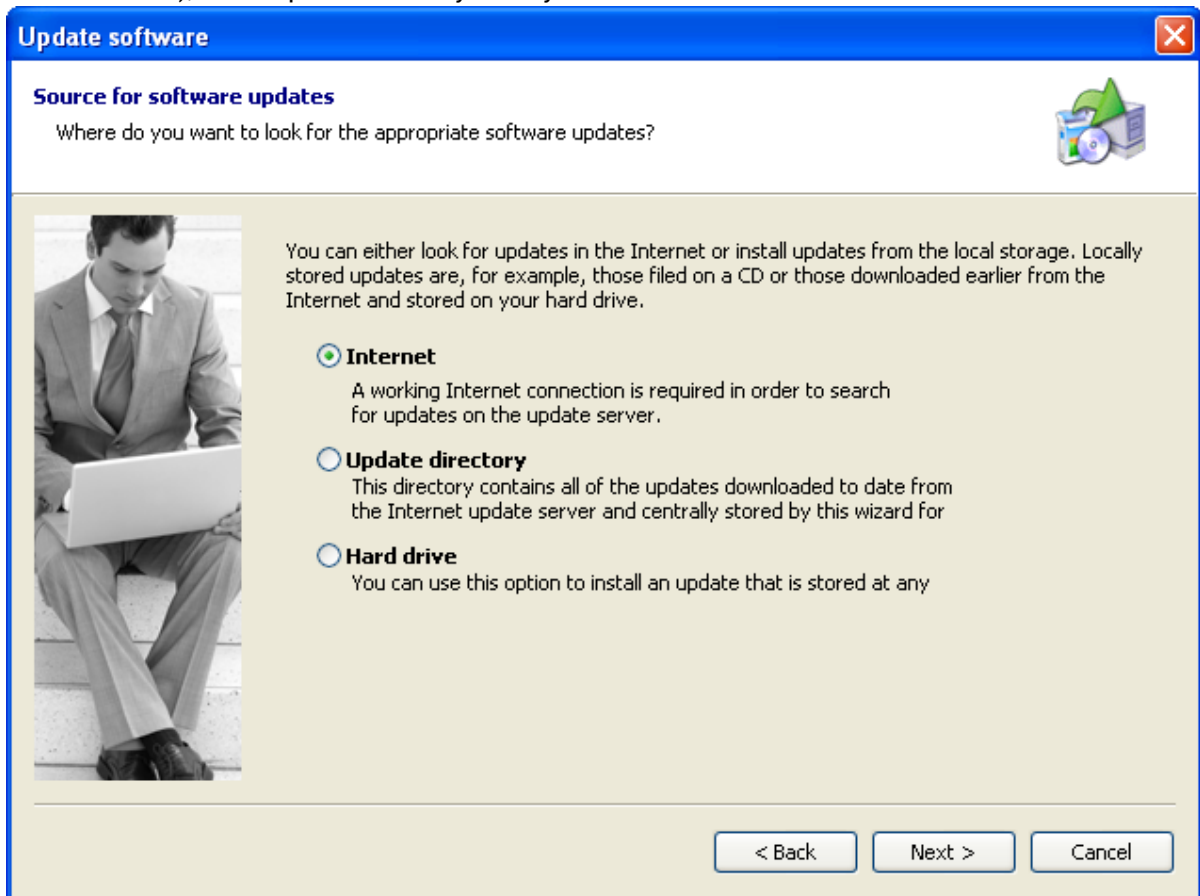
1. From the Windows Start menu, select the command <Update Software>.
2. Follow the instructions of the Software Update Wizard (click the "Next" button).

- On the second page of the Wizard, select the "Update Portfolio Sync Interface" option and confirm with "Next".

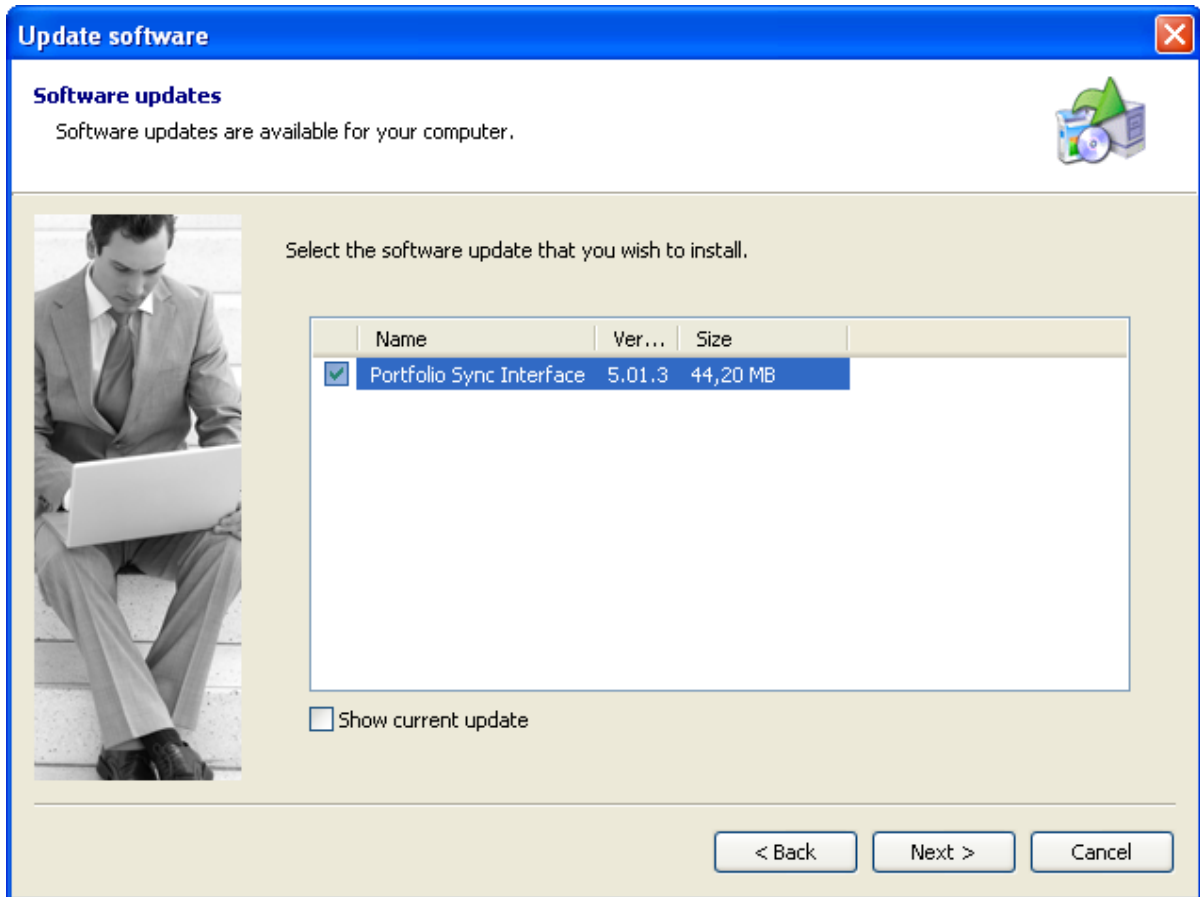


- The page tells you that you need to close your PSI during the update. If your PSI is open, close it and confirm with "Next".

- On the next screen, select whether the Wizard should search for the update on the Internet (on the retrieval server), in the update directory or on your hard drive.




- Confirm this page with "Next".
- Select the required update from those located, and confirm the selection by clicking the "Install update" button. The latest update matching the installed version of the Infront Portfolio Manager is always provided.



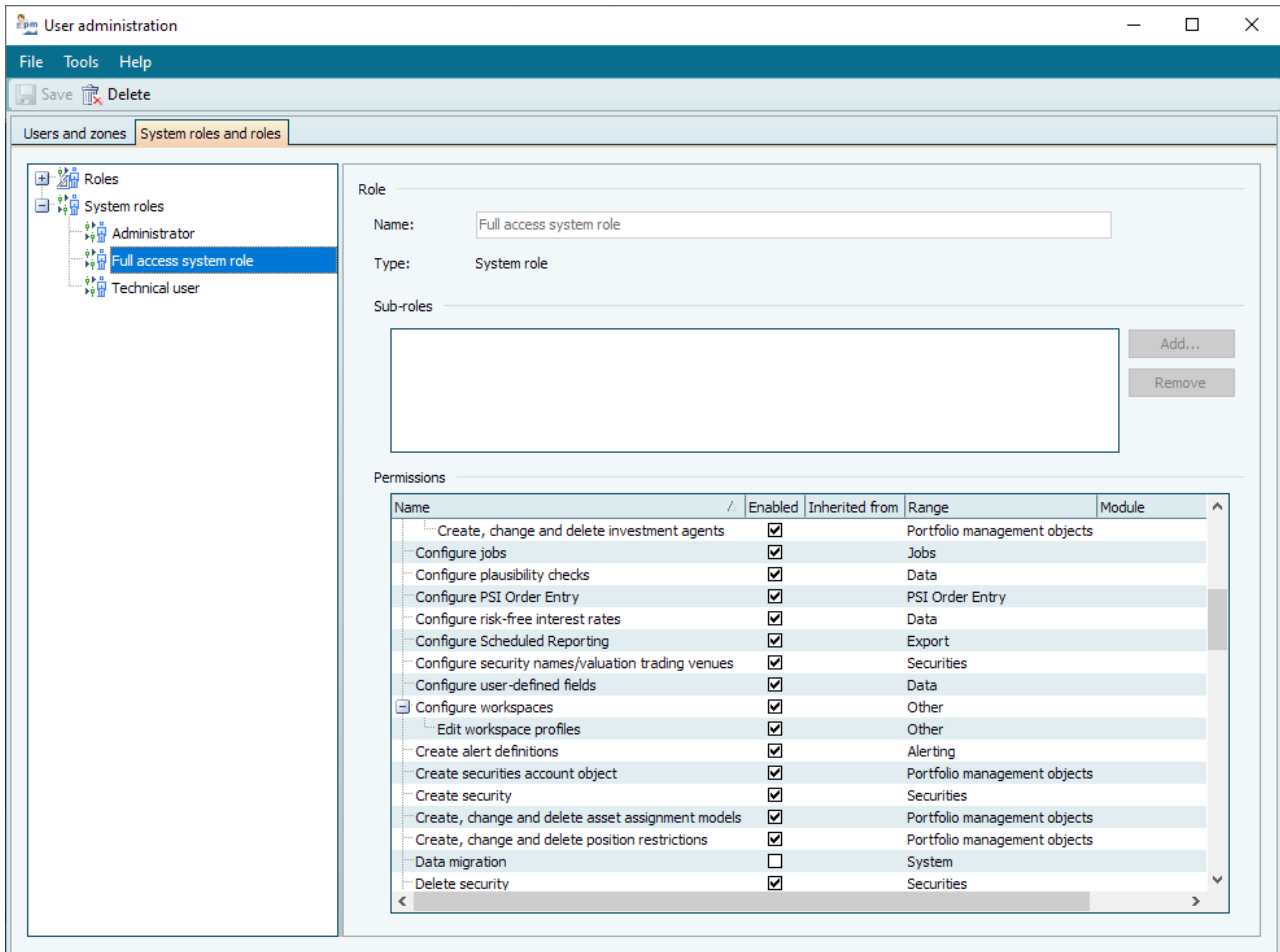
Select the "Show current update" checkbox to also show the current version number at the top of the list.

8. The Wizard informs you of the successful update and the version of the PSI now installed. Exit the Wizard with "Close".

 The update option is only available on client computers where the "Portfolio Sync Interface" component is installed. For more information, see [Installation](#). Internet updates also require the "Data update/maintenance" component to be installed. All other client computers are updated via the update directory, or by manually entering a path ("Hard drive" option in the wizard).

4.4 PSI and user administration

To start the PSI or log in, the user of the PSI and Infront Portfolio Manager must have the "Start PSI Transaction Data" system permission. This is assigned to the user by the user administrator.



You do not have to log in again when starting PSI from Infront Portfolio Manager. In this case, the user name and password are taken from Infront Portfolio Manager login.

However, you do have to log in when starting from the Windows start menu. For more information about the various ways to start your PSI, see [Start PSI](#).

The following individual system permissions are of relevance:

System permission	Prerequisite permission	Description
Start PSI Transaction Data		You need this system permission to use PSI Transaction Data.
Edit error data records	Start PSI Transaction Data	You need this system permission to edit the archived error data records.
Configure PSI Transaction Data	Start PSI Transaction Data	You need this system permission to adjust settings for the PSI Transaction Data.
Run reconciliation	Start PSI Transaction Data	You need this system permission to execute the reconciliation in the PSI Transaction Data.

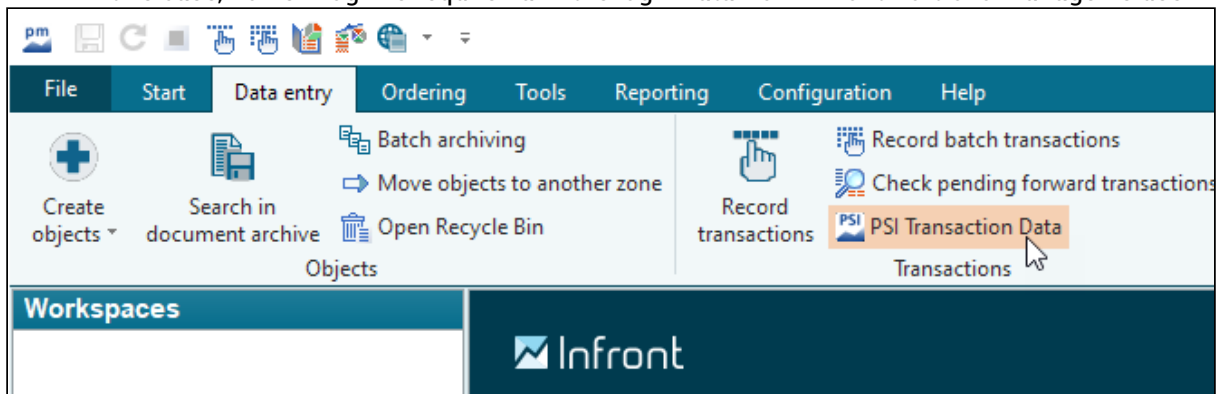
System permission	Prerequisite permission	Description
Run import	Start PSI Transaction Data	You need this system permission to import data in PSI Transaction Data.

i The permissions for creating securities account master data and transaction data are not relevant for PSI users.

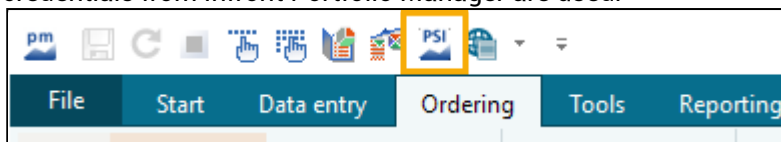
4.5 Start PSI

To start PSI, you can either:

- From the Windows Start menu, select the command <PSI Transaction Data>. Log in with your user name and your password.
- Alternatively, on the "Data entry" ribbon tab of Infront Portfolio Manager, select PSI TRANSACTION DATA. In this case, no new login is required and the login data from Infront Portfolio Manager is used.



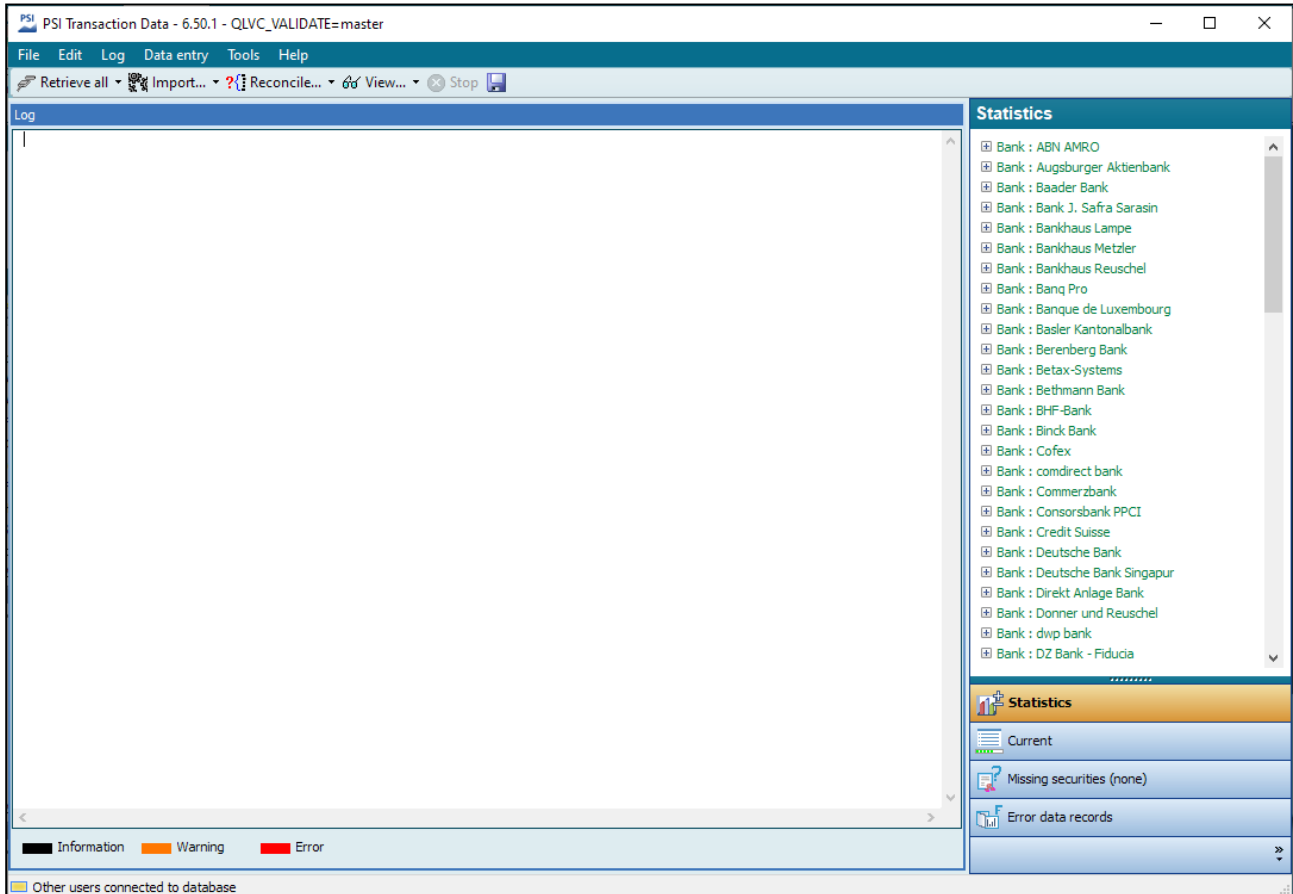
- Or show the "Portfolio Sync Interface" icon in the quick access toolbar of your Infront Portfolio Manager allowing you to start PSI by clicking the icon. No new login is required either because the credentials from Infront Portfolio Manager are used.



- Or use the time control feature to specify automatic PSI Transaction Data starts or retrievals. For more information, see [Time-controlled data retrieval](#).

5 User interface

The user interface elements are described briefly here. After starting the PSI Transaction Data, you should see the following image on your screen. Depending on the activated features, the display might vary slightly.



In the figure, you see an unrealistic number of activated banks and interfaces for demonstration purposes.

See also:

- [Commands in the main menu](#)
- [Design user interface](#)
- [Log window](#)
- [Information bar](#)

5.1 Commands in the main menu

This chapter lists the available menu commands and, when necessary, a brief description. Details on commands, some of which can be accessed directly via the buttons on the right-hand side of the user interface, will follow in the next few chapters.

See also:

- [FILE menu](#)
- [EDIT menu](#)
- [LOG menu](#)
- [DATA ENTRY menu](#)
- [TOOLS menu](#)
- [HELP menu](#)

5.1.1 FILE menu

Menu command	Description
RETRIEVE ALL	See Retrieve files . The option to retrieve files simultaneously for all activated interfaces can be assigned a warning message via the General settings to prevent accidental retrievals.
IMPORT...	See Import files .
RECONCILE...	See Reconcile files .
VIEW...	See View .
PRINT...	This command opens the "Print" dialogue window. Here you can select the printer, configure the print settings, preview the page, open the print preview and, of course, print (directly).
EXPORT...	Allows you to export files and save them as a text file.
STOP	This command stops the current import and is therefore also only available during the data import.
Exit	This command closes the program.

5.1.2 EDIT menu

Menu command	Description
MAPPING	See Securities mapping .
TRADING VENUE MAPPING	Opens the list of trading venues to assign them. See also Trading venue mapping .

Menu command	Description
SAVED BALANCES	Select this command to open the "Saved balances" dialogue window. For more information, see Saved balances .
MANAGE ASSET COMPOSITION	Opens the dialogue window for the "Asset composition" add-on. For more information, see Asset composition .
SHOW LOGGED IN USERS	Shows which users are currently connected to the database. See also Show logged-in users .
RESET DESKTOP	Resets the default settings of the desktop. This is useful if you have changed your desktop, moved windows and changed their size and want to return to the initial layout.
SETTINGS	Opens the "Settings Portfolio Sync Interface" dialogue window, allowing you to view or modify your personal settings for Internet access and the various banks. See the chapters Local settings and Bank-specific settings . For more information on the bank-specific settings, refer to the corresponding "PSI Transaction Data <bank name>" documentation.

5.1.3 LOG menu

Menu command	Description
SHOW OVERVIEW...	This command opens the "Log files overview" dialogue window. For more information, see Logging .

5.1.4 DATA ENTRY menu

Menu command	Description
Self-administered securities	Shows all securities created manually in Infront Portfolio Manager, also allowing you to edit them. See also Self-administered securities .

Menu command	Description
GLOBAL EXCH. OF SECURITIES	Use this function to exchange securities across the whole database. For more information, see The "Global exchange of securities" function .
SUPPLEMENT BANKS TO CLIENT MASTER DATA	Select this comment to automatically assign accounts and securities accounts to the banks by using the Bank Migration Wizard. See also Bank Migration Wizard .

5.1.5 TOOLS menu

Depending on the PSI installed, this menu entry appears in the main menu in which you will find special functions for the respective PSI, for example, concerning migration of depositories.

5.1.6 HELP menu

Menu command	Description
PSI TRANSACTION DATA - HELP	Opens the online help integrated in the program.
MANUAL	This command opens the Portfolio Sync Interface user manual as a PDF file in a PDF viewer.
INFO	The information window provides key information (version numbers, database system and so on) about Portfolio Sync Interface and the workstation.
FEATURES OVERVIEW	Opens a list with all licensed interfaces and their available features and add-ons. For more information, see Features and add-ons .

5.2 Design user interface

In PSI, you can individually configure your work environment. You can unlock the windows that are "anchored" in the desktop by default and position them freely on your screen. The individual user interface set in this way can be saved in the toolbar for future sessions, using the "Save desktop" icon.

See also:

- [Position windows](#)
- [Save desktop](#)

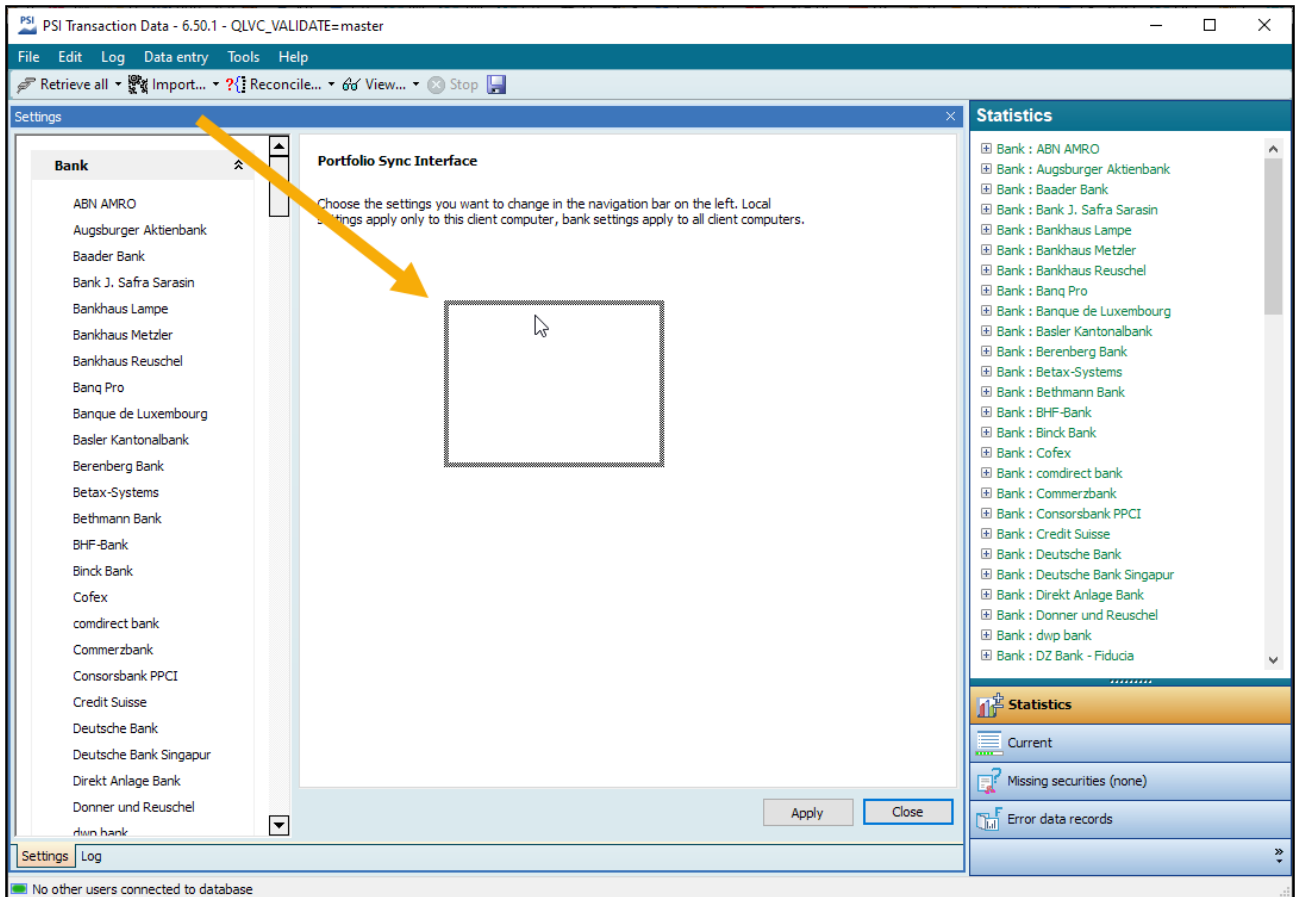
5.2.1 Position windows

By default, windows open in the desktop by and can then be reached by clicking on the bottom tabs.

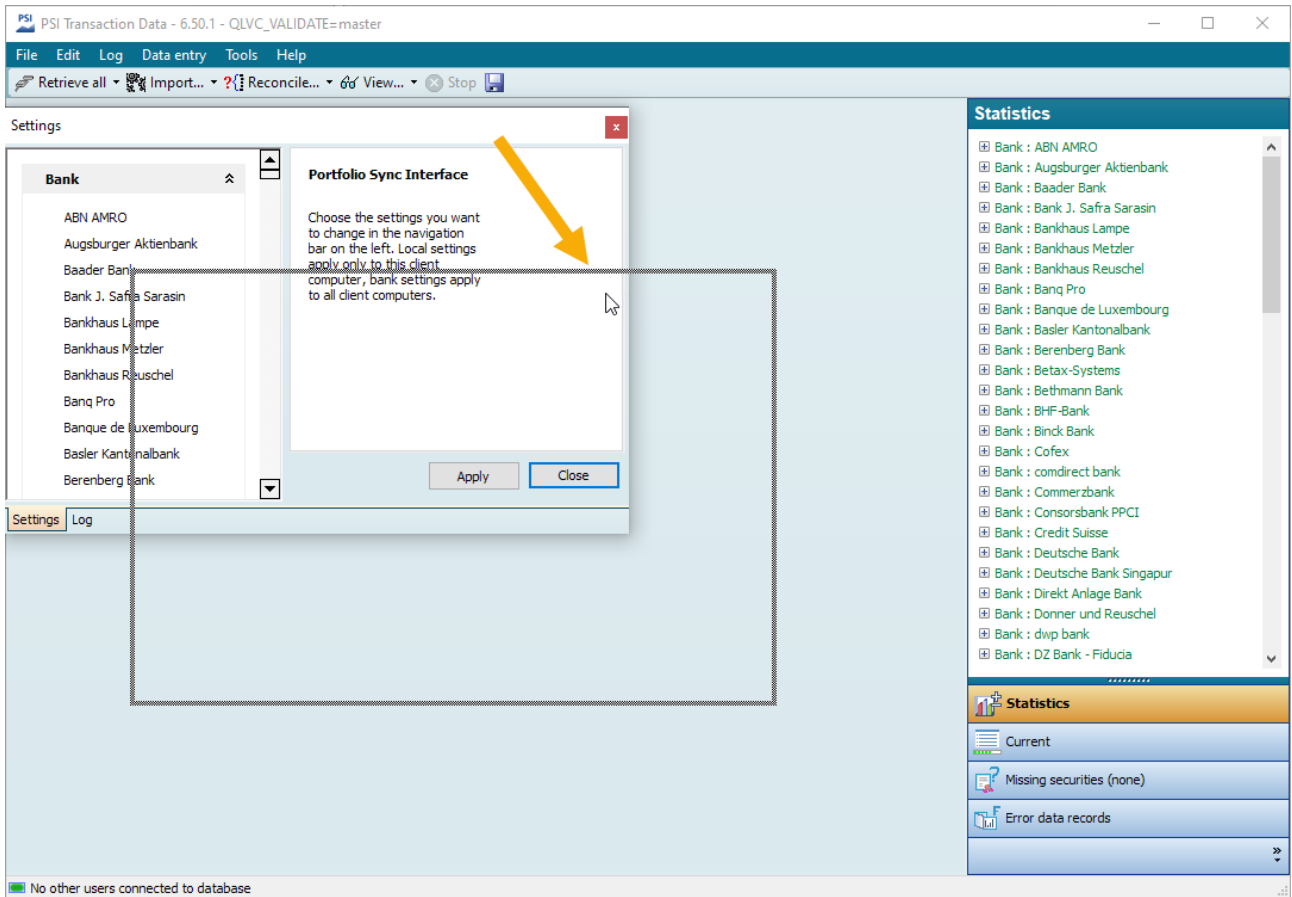
In doing so, the log window always remains open and cannot be closed.

To release and freely position a window from the PSI desktop, simply click the title bar of the window, hold the left mouse button down and drag the window to the required position on the screen.

You can also release the windows by double-clicking the title bar of a window on the desktop; you can then drag and drop it to the required position and change its size.




When dragging and dropping the windows, a frame always shows you the current position.



To reattach released windows, drag and drop them back to the desktop.

5.2.2 Save desktop

You can save the desktop of your PSI and thus reopen it with the saved settings and positions of the windows the next time you start the program.

 Select the "Save desktop" icon in the toolbar.

You can reset the desktop to the default settings at any time. To do so, select EDIT, RESET DESKTOP from the main menu.

5.3 Log window

The PSI manages a log in the log window. The log informs you of what the interface is currently doing and where errors have occurred. The messages are shown in different colours:

Colour	Meaning
Black	Information
Orange	Warning

Colour	Meaning
Red	errors

After retrieval or reconciliation, the log window is broken down into two parts. The bottom area of the log window provides the key information in compressed form.

The screenshot shows a 'Log' window with a text area at the top and a summary area at the bottom. The text area contains the following log entries:

```

Unpacking ZIP file "D:\source\mmsource\mmmmain\testing\PMIntegration\TestSourcen\PSIImportTest\SGKB\PM5_WP2_DWP_201004
Importing D:\source\mmsource\mmmmain\testing\PMIntegration\TestSourcen\PSIImportTest\SGKB\70000_6173_20100429_170303.
Format: WP2 IDV Kundenstammdaten
Starting import
Converting 2 data records.
Import completed successfully (00:00:00).
Importing D:\source\mmsource\mmmmain\testing\PMIntegration\TestSourcen\PSIImportTest\SGKB\70000_6173_20100429_170309.
Format: WP2 IDV Kundenstammdaten
Starting import
Converting 2 data records.
Import completed successfully (00:00:00).
Importing D:\source\mmsource\mmmmain\testing\PMIntegration\TestSourcen\PSIImportTest\SGKB\70000_6173_20100429_193032.
Format: DZ Bank - Fiducia Format
Starting import
Information:
1 Data records were ignored
Import completed successfully (00:00:00).
Importing D:\source\mmsource\mmmmain\testing\PMIntegration\TestSourcen\PSIImportTest\SGKB\70000_6173_20100429_201409.
Format: DZ Bank - Fiducia Format
Starting import
Import completed successfully (00:00:00).
Importing D:\source\mmsource\mmmmain\testing\PMIntegration\TestSourcen\PSIImportTest\SGKB\70000_6173_20100429_200049.
Format: DZ Bank - Fiducia Format
Starting import
Import completed successfully (00:00:00).
Delete expanded files
Expanded files deleted
    
```

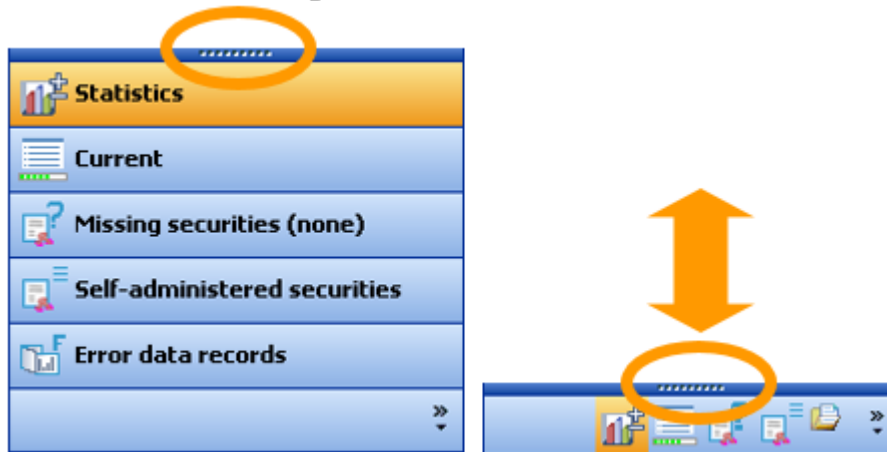
The summary area at the bottom shows a legend for log levels: Information (black square), Warning (orange square), and Error (red square). Below the legend, the log is summarized as follows:

- Information
 - Category : Ignored
 - Type : Info
 - 1 Data records were ignored

Use the bottom tabs to switch from the log window to the other open windows and back again.

5.4 Information bar

On the right side of your Portfolio Sync Interface, you find the information bar. It provides additional important (status) information about the retrieval, data import and data reconciliation processes. Select the commands explained in the following sections using the buttons on the bottom right. These can be increased/decreased in size using the mouse:

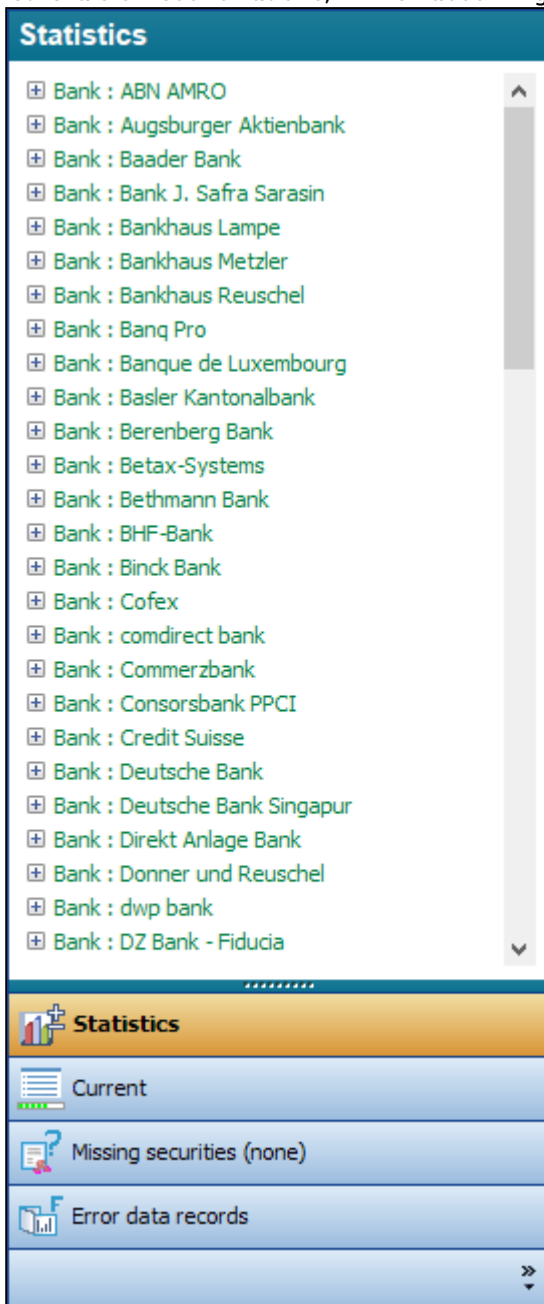


See also:

- [Statistics](#)
- [Current](#)
- [Missing securities](#)
- [Error data records](#)

5.4.1 Statistics

"Statistics" is open by default in the information bar and provides clear and concise statistics on the last retrievals or reconciliations, divided according to individual banks of the licensed Portfolio Sync Interface.



The details are minimised for many banks. But even when minimised, the red highlighting instantly allows you to identify current problems. Open the detailed view by clicking the appropriate plus sign in front of the line.

Statistics	
Bank : Augsburgener Aktienbank	
Last retrieval	<none>
Last sec. acc. reconciliation	<none>
Positive deviations	0
Negative deviations	0
Last account reconciliation	<none>
Deviations	0

5.4.2 Current

In this view, keep track of the current progress during a retrieval, import or reconciliation. For example, when importing, you are shown here an overview of which (and how much) data is imported. A progress bar shows you the progress of the current actions. The top of the list (for example, for imported master data) gives two separate numbers for newly created and changed types for individual securities account objects. The same applies to transactions and postings. The following status information is returned by the Portfolio Sync Interface:

Master data

- Folders
- Groups
- Holder
- Portfolios
- Securities accounts
- Accounts
- Securities
- Addresses
- User-defined fields

Transactions

- Orders
- Postings
- Income
- Transfers
- Order book entries
- Kickbacks
- Historical average purchase prices

Reconciliation

- Positions
- Account balances

Securities

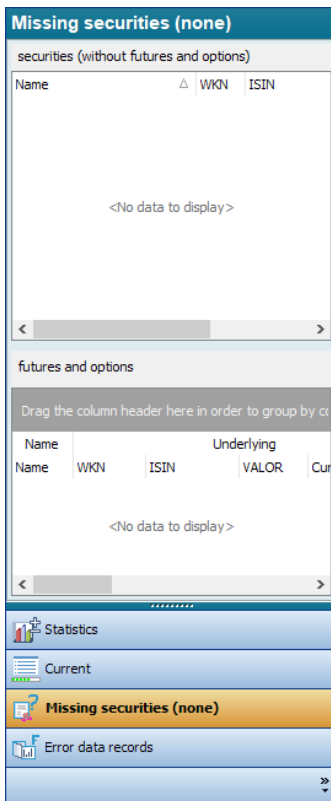
- Prices

Mapping

- Securities reference mapping

5.4.3 Missing securities

All transactions for which the respective security was not found cannot be imported. These are first displayed in the log window.



Click the "Missing securities" button in the information bar for a clearly formatted table of all securities that were not available on the most recent import in Infront Portfolio Manager, and which could therefore not be imported.

Missing futures and options are listed in the bottom part of the "Missing securities" area in an own table. Find information on underlying, underlying price, option type, maturity and name in the columns of the table for this securities type.

At the top of the "Missing securities" area, all missing securities of the remaining securities types (equities, bonds, funds and so on) are listed. Find information on reference, currency and name in the columns of the table for this securities type.

See [Create missing securities in PSI](#) to find out how you can quickly solve this problem directly from Portfolio Sync Interface.

See also:

- [Create missing securities in PSI](#)
- [Save the table of missing securities.](#)
- [Open the table of missing securities in other programs](#)
- [Look up missing securities online](#)

Create missing securities in PSI

When importing missing securities, you can create them (rudimentarily) directly from the Portfolio Sync Interface and then successfully import all transactions. To do this, follow these steps:

1. Use the "Missing securities" button on the right side of the information bar to open the table of securities missing on the most recent import.
2. Right-click the security to be created and CREATE AS in the context menu and select the corresponding security type, for example, SUBSCRIPTION RIGHT.
3. If you confirm the following dialogue window with the "Create button", the security is created in the database. Only the master data fields necessary for your PSI to import the transactions are populated.
4. Proceed in the same way for all additional missing securities.
5. If you then restart the import, all transactions are imported.

Save the table of missing securities.

The table of missing securities can be saved in various commonly-used formats, allowing you to edit and archive it the way you want.

The following formats are available to you:

- Excel
- Text
- HTML
- XML

Follow these steps:

1. Click the "Missing securities" button.
2. Right-click in the table and select SAVE from the context menu and specify the format.
3. In the "Save in ... format" dialogue window, assign a name, select the required directory and then confirm with "Save".
This saves the file in the selected folder.

Open the table of missing securities in other programs

In addition to the method described above to save the table of missing securities in various formats, you can also open it directly from within Excel, in an editor or from a browser.

To do this, follow these steps:

1. Click the "Missing securities" button.
2. From the context menu of the table, select OPEN WITH and then select the required tool.
The file opens in the tool selected.

Look up missing securities online

You can look up missing securities by using the online search familiar from Infront Portfolio Manager. Proceed as follows:

1. Click the "Missing securities" button.
2. Right-click in the table and then select LOOK UP ONLINE from the context menu.
The online search from Infront Portfolio Manager appears. Here, you can find all securities contained

in your data subscription, that is, also those that are not in the local database. You can then import the securities found in the database.

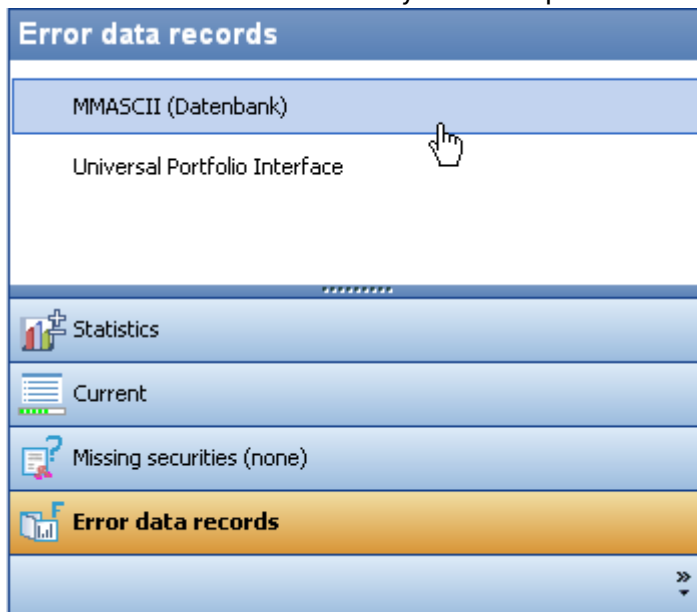
5.4.4 Error data records

If (consistency) errors occurred during the data import, then you can use this function to identify them without repeating the import and without searching in the log. The error data record graph provides a detailed overview of the type of errors and their numbers.

i This function is only available for interfaces that use the "Error buffer" add-on and for which the "Error buffer enabled" checkbox is selected in the settings on the "Error buffer" tab.

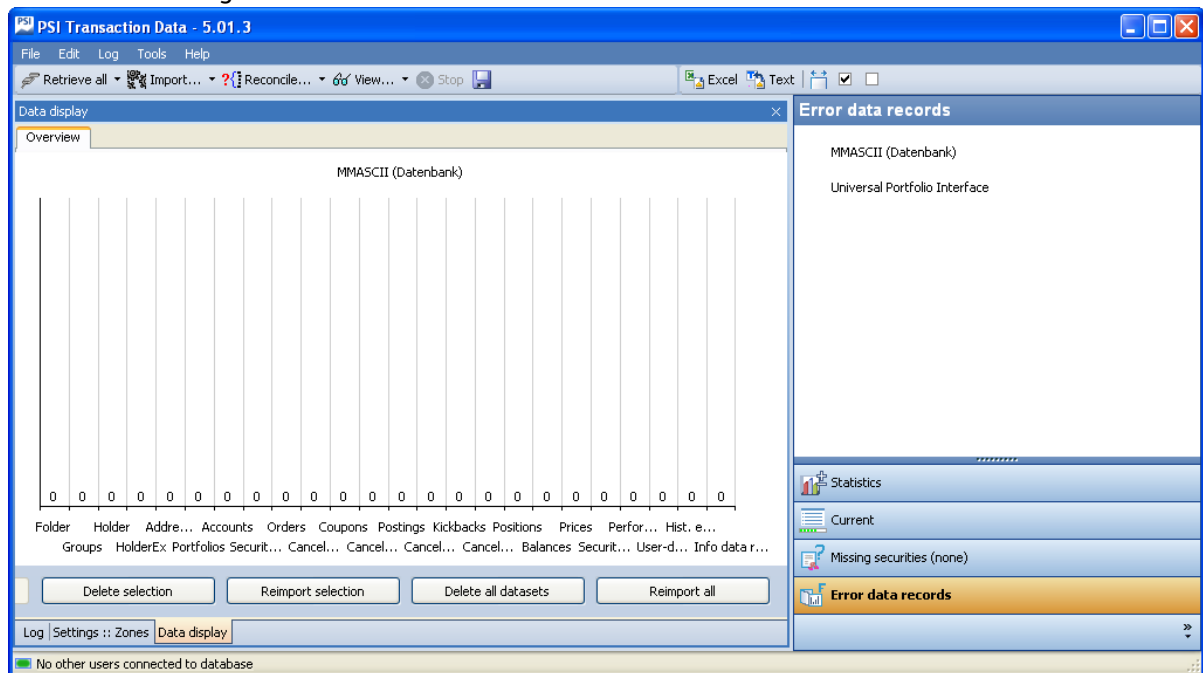
Open the analysis of the erroneous data records after an import as follows:

1. Click the "Error data records" button in the information bar. For more information, see [Information bar](#).
2. Then select the bank whose data you have imported from the information bar above.



The left-hand window now displays an overview of this bank's erroneous data records. The height of

the bars in the diagram indicates the number of errors.



3. You can now either rectify the errors or - if they are irrelevant - delete them using the "Delete all data records" or "Delete selection" buttons.
4. Use the "Save changes" button to save the settings you have made.
5. Use the "Reimport all" or "Reimport selection" buttons to start a new data import if necessary. Then you can display the error data records again for monitoring.

The data records are divided as following in this overview:

- Folders
- Groups
- Holder
- Holders without address
- Portfolios
- Addresses
- Accounts
- Securities accounts
- User-defined fields
- Orders
- Income
- Postings
- Kickbacks
- Positions
- Balances
- Security prices
- Securities
- Historical average purchase prices
- Info
- Securities reference mapping

In the error buffer, (only) the transaction-related data records (postings, orders, income, historical data) can be edited.

6 Basic functions

Viewing, importing, matching - get to know the central functions of PSI Transaction Data here. This log window offers a range of buttons featuring the basic functions of Portfolio Sync Interface.

Use the appropriate button to start the respective function. The commands and functions are also available from the FILE menu.

The following chapters cover all of the standard functions of your Portfolio Sync Interface.

See also:

- [Import files](#)
- [Reconcile files](#)
- [View](#)
- [Retrieve files](#)
- [Export files](#)
- [Logging](#)

6.1 Import files

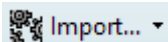


You can import files manually or via the Portfolio Manager Server. For more information, see [Run PSI tasks via the Portfolio Manager Server](#).

See also:

- [The basics](#)
- [Import process](#)
- [Stopping file imports](#)
- [References to client master data](#)

6.1.1 The basics



With the "Import" button, you import a file into the database of your Infront Portfolio Manager. Alternatively, select FILE, IMPORT... menu. This is the "core" function of PSI. Click the "Import" button and then select the file to be imported in the "Importing..." dialogue window which appears. You can see any error messages in the log window or log file.



The user is responsible for administration of the files to be imported. Your Portfolio Sync Interface cannot recognise "lost" or "logically incorrect" data. Only the data format is checked for accuracy. However, some rough consistency tests are performed.

You are responsible for the following activities:

- Data backup
- Regular clean-up of the data directory (archiving)
- If no automatic reconciliation is available, checking the posted records in the securities accounts of Infront Portfolio Manager
- Forwarding of the files (if no retrieval performed)

- Correct selection of the file to be imported

You can also select several files for importing in the dialogue window. During the reading process, the system arranges the data via the posting or transaction numbers.



When selecting several files, always ensure that they are imported in the right order. Problems may otherwise occur, such as when cancelling postings not yet imported into Infront Portfolio Manager.

In Infront Portfolio Manager, numbers are unique for every securities account. Thus, it is not possible to enter the same receipt record twice with an identical transaction number (or receipt number). If errors occur, it is therefore possible to read the file in again as the receipts already posted are not processed twice.



Avoid umlauts when naming the directories and paths in which you save the files that you want to import.

6.1.2 Import process

During the import, the data to be read is analysed first. If the data format detected is not compatible with the respective interface, an error message is displayed and the import aborted. If the data format detected is correct, the data is imported and written into or reconciled with the database of Portfolio Sync Interface.

During the import, a log file is created which can be viewed via the Log, SHOW OVERVIEW... function. For more information, see [Logging](#). The current messages are displayed in the message window.

The log makes a record of any missing master data detected during the import. After correcting the master data or the file to be imported, restart the import. During the processing, information is shown in the log file and on the screen. Please heed the application warnings and follow the instructions.

6.1.3 Stopping file imports



This command stops the current import or current retrieval and is therefore only available during the data retrieval and the data import.

6.1.4 References to client master data

To correctly import the data provided by the bank and forwarded by PSI into Infront Portfolio Manager, it is important to maintain the master data of portfolios, holders, securities accounts and accounts. Particularly when banks use sort codes and/or BICs, and so on to ensure the uniqueness in the event of several banks. These references must also be unique for the link to "PSI Order Entry" modules.

Problematic cases arising in practice can, for example, be different banks with the same account number or accounts in different currencies with the same account number.


For example, to ensure the unique assignment to an account, the following master data is used:

- Account number
- Account currency
- Bank
- Sort code
- BIC
- ...



The supplementary documentation available for every PSI Transaction Data provides specific information about your interface. You can find the corresponding "PSI Transaction Data <bank name>" PDF document in the program directory of Infront Portfolio Manager in \help\manuals.

6.2 Reconcile files

 Reconcile... ▾

Reconciliation is used to check a securities account position or account balance. To this end, position data in an interface file supplied is compared with the positions in Infront Portfolio Manager and the result is written in the log.

Start the reconciliation with the "Reconcile..." button or with FILE, RECONCILE... and then select the file provided in the "Reconciliation" dialogue window. All other function work similar to the "Import" function. For more information, see [Import files](#).



You can also reconcile files via the Portfolio Manager Server. For more information, see [Run PSI tasks via the Portfolio Manager Server](#).

The positions and position deviations detected are noted in the log. To avoid storage or performance problems that can occur in case of large numbers of data records, we recommend to select the "Show only errors" checkbox in the settings for the reconciliation. The log then shows only problematic data records.

You also have the option to track the status of the work in the information bar at any time.

In addition to the log, the "Reconciliation result" tab appears. This contains all of the details.

Shown graphically on the overview page is the result of the reconciliation. Red bars denote erroneous data, green bars error-free data.

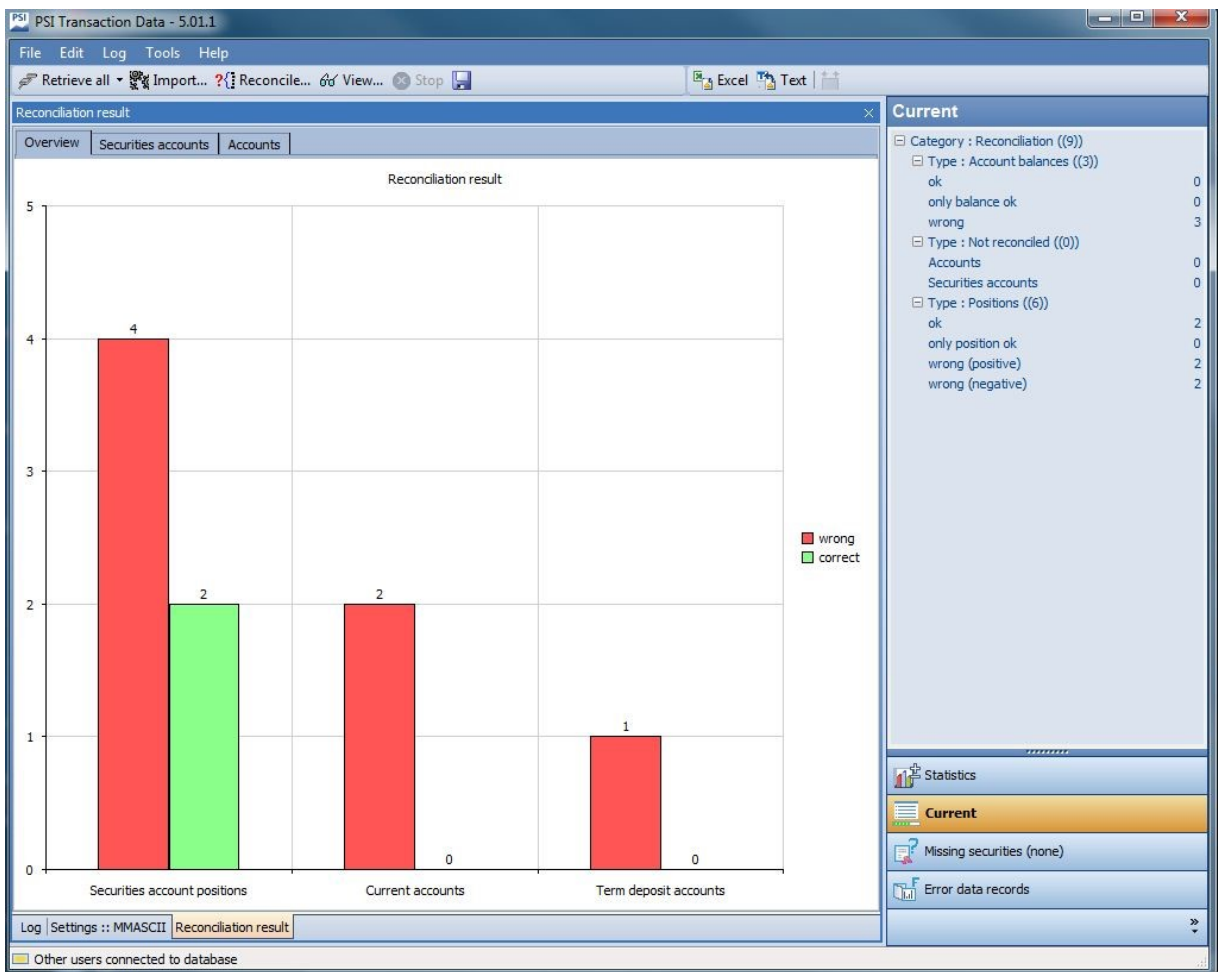
Use the buttons at the top to switch to the detailed tables for accounts and securities accounts. Green rows are OK, whereas blue text areas indicate errors in the negative reconciliation (position in Infront Portfolio Manager which is not available at the bank); red text stands for errors in the positive reconciliation.



For more information on how to change settings, see *Bank-specific settings*, "Reconciliation" tab

For more information about how to exclude securities accounts and accounts of other banks in the same default zone for the negative reconciliation of an interface, see [Assign banks for negative reconciliation](#).

Examples



The screenshot displays the 'PSI Transaction Data - 5.01.1' application. The main window shows a 'Reconciliation result' table with the following columns: Position OK, Sec. acc. number, Bank, Date, Securities account, Holder, Holder number, Security, ISIN, WKN, VALOR, Target, and Is. The table contains several rows of data, some with green status icons and others with red. A 'Current' sidebar on the right shows a tree view with categories and counts: Reconciliation (9), Account balances (3), Not reconciled (0), Positions (6), and Error data records. The bottom of the window shows a status bar with 'Log Settings :: MMASCI Reconciliation result'.

Tips

- To also view the messages separately according to individual securities accounts, just drag the column header into the area at the very top of the table.
- If you then open one of these tables using the appropriate command in the context menu or using the icon in the toolbar in another application, such as Excel or editor, the settings (sorting, grouping, filtering) are transferred and can also be printed. For more information on saving and opening tables in other programs, see the section on [Open the table of missing securities in other programs](#), because the possibilities described there are available for all tables of this type.
- Use the "Automatic column width" icon in the toolbar to optimise the table display via mouse click.
- By using the "Show/hide columns" icon, you can adjust the table according to your needs in the "Select columns" dialogue window that appears, just as in Infront Portfolio Manager. Select the checkbox for the columns that you want to display and clear the checkboxes of the columns that you do not currently need.
- Use the "Restore original columns" icon to undo changes to the layout.
- Use the "Save column definitions and filter settings" icon on the far right of the toolbar to save your configuration of the table.
- The "Positions OK" column shows the status of the relevant securities positions and can be used to filter the list accordingly.

The control messages in the log are displayed as warnings (orange).

These messages are divided into the following categories:

- Positive position control
All securities positions available to the bank are entered correctly in Infront Portfolio Manager.
- Negative position control
Some unexpected positions are available, that is, positions appear in Infront Portfolio Manager of which the bank is not aware.

See also:

- [Securities account reconciliation](#)
- [Account adjustment](#)

6.2.1 Securities account reconciliation

The securities account reconciliation above describes the importing of the import file via the "Reconcile..." button (or the FILE, RECONCILE command in the main menu) and the display of the result.

In an optional second step, you can reconcile the positions in the securities account with the backend data. This is referred to as "Securities account reconciliation".

After every securities account reconciliation, the non-reconciled securities are highlighted.

See also:

- [Carry out securities account reconciliation](#)
- [Price feed in securities account adjustment](#)

Carry out securities account reconciliation

To carry out a securities account reconciliation (via incoming deliveries and outgoing deliveries) after carrying out a securities account reconciliation for the problematic securities:

1. Switch to the "Reconciliation result" tab.
2. Select RECONCILE SECURITIES ACCOUNT from the context menu of the table.
3. Enter the required date for the reconciliation in the dialogue window that appears. It is also recommended that unique information for the transactions is entered in the "Comment" field.
4. Confirm with "OK".

The securities account reconciliation is carried out.

After every securities account reconciliation, perform a comparison before starting a further securities account reconciliation.

Price feed in securities account adjustment

- Generally, a price is taken (from the database) for the incoming deliveries. Which price is used depends on the setting for the price feed that you select in the "[Transaction data](#)" tab in the import settings.
- If you have licensed the assessed reconciliation and if no price is found in the database, the price is redetermined from the market value of the position.
- If no price is found, this is logged in detail.


Example

For incoming delivery of fund "Exch.Tr.Fund EO-Stoxx50" (ISIN: IE0008471009, WKN: 935927, valor number: 1065278) in securities account "xxx" on 05.10.2011 no price is available for feed.

- This is logged even if no exchange rate was found.

Example

For incoming "SeaDrill Ltd." (ISIN: BMG7945E1057, WKN: A0ERZ0, valor number: 2171269) in securities account "xxx" on 01.01.1955, no exchange rate is available for feed.

 If a price is fed via the assessed reconciliation, it is also written into the valuation price on the incoming delivery date at the standard valuation trading venue. However, this applies only if the price import is enabled for this interface.

6.2.2 Account adjustment

In addition to the securities account reconciliation described above, you can also adjust the balances for accounts from the PSI Transaction Data.

See also:

- [Carry out account adjustment](#)

Carry out account adjustment

Proceed as follows to carry out a securities account adjustment for the affected balances after carrying out a securities account reconciliation:

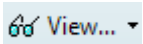
1. Switch to the "Reconciliation result" tab.
2. Right-click in the table and select ADJUST ACCOUNT from the context menu.
3. Confirm the security prompt that appears by clicking the "Yes" button.
4. Enter the required data for the adjustment in the "Account adjustment" dialogue window that appears.
5. Confirm the dialogue window with "OK".
The account adjustment is carried out.

You have the following individual settings options:

Element	Meaning
Date of the account adjustment	Enter the required date here. Using the small arrow in the input field, open the calendar to select a date. The current date is set by default.

Element	Meaning
Threshold value	Enter the required threshold value for the balances in this input field.
Posting text	Enter a meaningful text for the adjustment here.
Included in performance	Select this checkbox if the postings to be recorded should be performance effective, that is, included in the performance.
Adjust value date	Select this checkbox if the value date should also be adjusted during the adjustment.

6.3 View



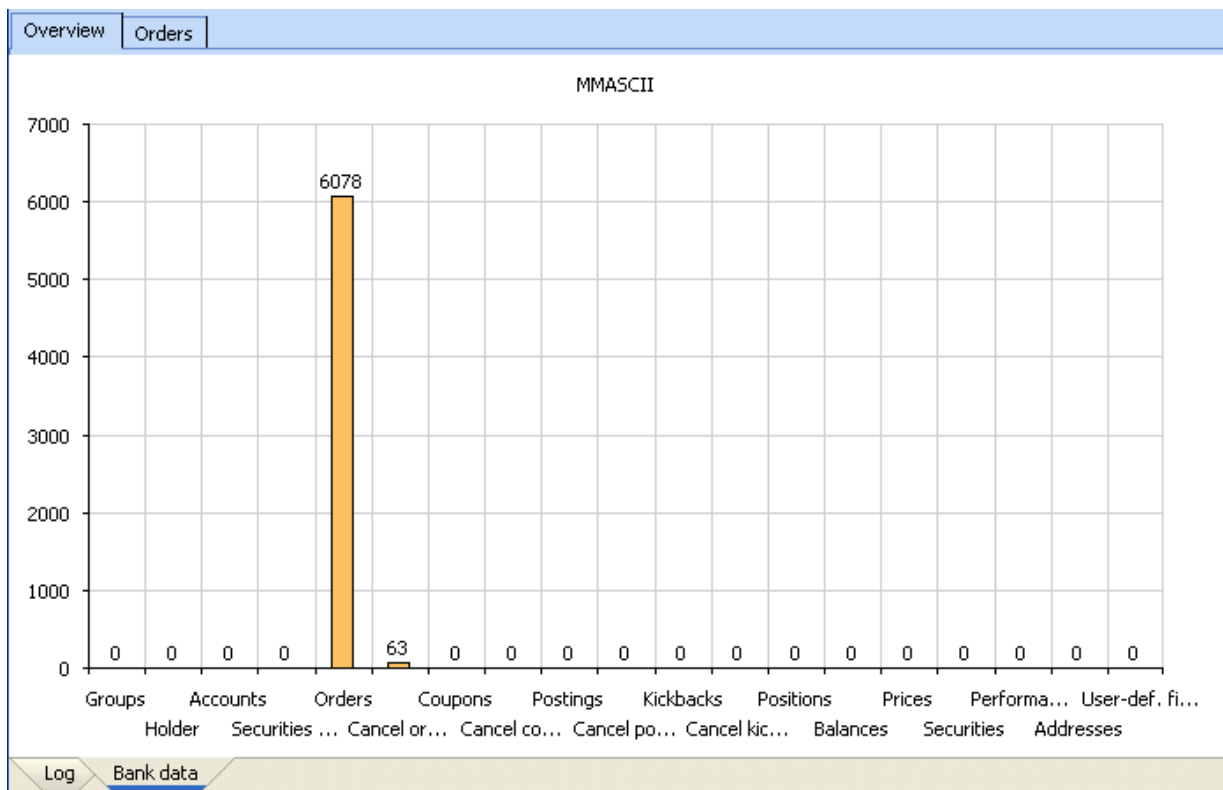
Your PSI enables you to view files before importing them. To do this, select "View..." button or FILE, VIEW... in the main menu.

Then select the appropriate file. The content is shown in PSI on the "Data view" tab.



Avoid umlauts when naming the directories and paths in which you save the files that you want to view and/or import.

Examples




Use the buttons at the top ("Holders", "Accounts"...) to quickly change to the detailed tables for the individual data records.

The screenshot shows a software interface with a table of orders and a detailed settlement view. The table has columns for Securities ac, Seci, Order dt, Value dt, Order by, Cash flow, Nominal va, Price, Account, Time, and Exchange rate. The settlement view shows details for a transaction number 2001002902,0-60081, including order type (Ankauf), securities account number (3137333600), account number (3137333560), security name (DWS Vermögensbg. Fc), and various financial values like cash flow (-364,15), nominal value (4,000), and price (91,04).

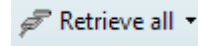
If the file contains master data, it is divided according to groups, portfolios, holders, accounts and securities accounts, for example, while transactions can be divided into orders, postings and income. You can also view positions here.

The files displayed can also be viewed from outside the PSI, for example, in Microsoft Excel or your Internet browser. To this end, select the OPEN WITH command in the context menu of the window and then the required tool EXCEL or BROWSER.

You can also save the opened files using the context menu. To this end, select the SAVE AS command and specify the required format: EXCEL, HTML, XML or TEXT. In all cases, the "Save as" dialogue window opens, in which you assign the name for the file and select the archiving directory.

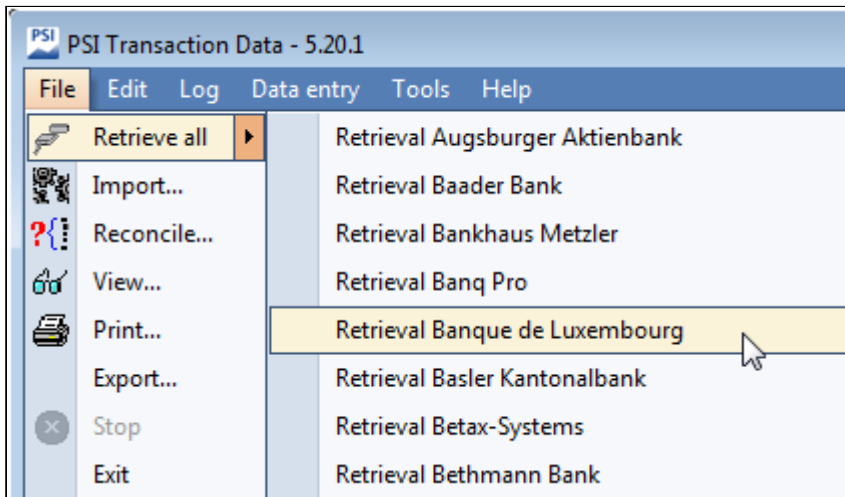
 Expand the details on individual positions (for example, orders) by clicking the plus sign on the left side of the respective table row.

6.4 Retrieve files



Use the "Retrieve" button (one licensed PSI which supports automatic file retrieval) or "Retrieve all" (at least two licensed PSI which support automatic file retrieval) to automatically retrieve import data from all available banks via a safe Internet connection. This connection is based either on the HTTPS standard and supports the authentication via a password and user name as well as a so-called client certificate or a FTP or SFTP connection which, for example, downloads PGP-encrypted files or the retrieval is done via copying the data from the folder. Depending on the method of the custodian bank, you can configure Portfolio Sync Interface either for one or the other method in the settings.

If you have more than one Portfolio Sync Interface to different banks and would like to retrieve only the data of one bank, click the small arrow on the right of the "Retrieve all" button and select the bank in question from the expanded list of installed PSIs:



Alternatively, you can access this drop-down list by selecting FILE, RETRIEVE in the main menu.

This button is not available in all Portfolio Sync Interfaces. For more information, see the additional documentation of the corresponding "PSI Transaction Data <bank name>". The availability depends on the corresponding bank. If the bank does not supply any data for retrieval via the Internet, then this function is disabled in the PSI and the button is not available.

After carrying out a retrieval, importing the data and the reconciliation can be started automatically using the import function – you can control this behaviour for interfaces enabled in the [Settings](#). For more information on importing the data, see the [Import files](#).

However, the retrieved file is not lost; you can leave it in the folder. It remains available with a timestamp. The timestamp shows the time of the associated retrieval, so that you can tell from when the file originates. You can also import it manually via the "Import" button.



You can usually specify in the bank-specific settings whether importing is to start automatically after retrieval or should be triggered manually.

Downloaded files first go to the specified working path ("Work" folder) and then are daily taken from there and packed as zip archives in the also configurable local path (that is, in the "local" folder). From this folder, you import the files.

In the settings, you can specify these paths, folders and behaviour at retrieval for each of your interfaces: You can create and save various configurations that you can quickly enable or disable later.

Depending on the type of retrieval (folders, HTTPS, FTP, SFTP), you find further settings options the bottom of the "retrieval" tab, for example, the FTP or SFTP server with user name and password, port and remote path or HTTPS address with user name and password.

For more information on configuration of the retrieval, see the section ["Retrieval" tab](#).

6.5 Export files

With Portfolio Sync Interface, you can also export files (also in anonymised form). To do this, follow these steps:

1. Select FILE, EXPORT... in the main menu.
2. Select the file in the "Export" dialogue window that appears. The currently opened file is shown, if applicable.
3. Then select the "Open" button.

The file is exported with the selected settings.

- ✔ You can define a new default export path in the settings. You can also select the "Zip file" setting instead of the original format of the file. In the settings, you also define whether the files are to be anonymised before the export.

See also [Export settings](#)

6.6 Logging

See also:

- [Log overview](#)
- [Send log](#)
- [Show logged-in users](#)

6.6.1 Log overview

If you want to view and monitor the processes in the Portfolio Sync Interface, use the extensive logging function. This function runs internally and logs all of the software activities. This means you can reconstruct all of the activities performed by the system later. Furthermore, this information is very important and helpful for the Customer Service department of Infront Financial Technology GmbH, which can in turn provide you with faster and better support.

To view a log:

1. Select the LOG, SHOW OVERVIEW command from the main menu.
The "Log file overview" dialogue window appears, showing the log files of the past months listed by computer name, Windows user, date and file size.

If the table is too extensive, it also supports all of the functions outlined above such as grouping, filtering or sorting.

2. Double-click the row containing the required log to display it in your editor.

6.6.2 Send log

You have the option to send the log file to the Customer Service department of Infront Financial Technology GmbH by using the system diagnosis. If necessary, select the command <Run system diagnosis> in the Windows Start menu.

6.6.3 Show logged-in users

When working with PSI Transaction Data, it is important to have an overview of the accesses to the database. For this purpose, the status bar at the bottom of PSI shows you the corresponding information:

- No other users connected to database
In this case, you are exclusively connected to the database (green icon in the status bar)
- Other users connected to database
In this case, you are not exclusively connected to the database (yellow icon in the status bar). You can view the users currently logged in to the database of Infront Portfolio Manager at any time.
In the main menu, select EDIT, SHOW LOGGED-IN USERS. A list with all users currently logged in to the database opens as a new tab in the work area.

You can find the following information in the list of users logged in:

Column	Description
Host	The name of the computer connected.
Users	The name of the Windows user logged in to the connected computer.
Program	The program or the executable file that is currently accessing the database, for example, Infront Portfolio Manager (vwdpm.exe) or PSI (portfoliosyncinterface.exe).
Login time	Date and time of establishing connection.

You can sort this list in the usual way by double-clicking the relevant column heading or filter it using the arrow icons in the column headings.

7 Data entry tools

The tools presented here optimally support you and your data.

See also:

- [Self-administered securities](#)
- [The "Global exchange of securities" function](#)
- [Trading venue mapping](#)
- [Bank Migration Wizard](#)
- [Saved balances](#)
- [Securities mapping](#)

7.1 Self-administered securities

Select DATA ENTRY, SELF-ADMINISTERED SECURITIES from the main menu of PSI to view all securities that were manually created in Infront Portfolio Manager. Next to the name of the security, the table also contains the security ID ("Security ID" column), DEWKN, ISIN and the number of transactions affected. Sort and filter the data in the table as you normally would in Infront Portfolio Manager.



The security ID of self-administered securities must always start with the "&" character.

The list of self-administered securities also contains all of the rudimentary securities created "manually" using PSI. For more information, see [Create missing securities in PSI](#).

Below the list, you can see the total number of securities that are currently displayed.

The commands MARKET DATA POOL CHECK and SAVE AS are also available to you from the context menu of the table, and are explained in the following sections.

See also:

- [Market Data Pool Check](#)
- [Save the table of self-administered securities](#)

7.1.1 Market Data Pool Check

You can use the Market Data Pool Check to compare self-administered securities to those written to the database with security ID and/or ISIN and, where required, convert the (imported) transactions to them. This is particularly useful in cases where securities created manually were transferred to the Market Data Pool or subscribed by you only after the fact.

To do this, follow these steps:

1. Select DATA ENTRY, SELF-ADMINISTERED SECURITIES in the main menu.
2. Select MARKET DATA POOL CHECK from the context menu of the table.
3. If the self-administered securities also have identical ones in Market Data Pool, they are listed in the "available in MDP: Yes" category in the table.

4. At the very top of the table, select the security to be converted by selecting the corresponding checkbox in the "Security conversion to Market Data Pool" drop-down list. You can also select several securities.
5. Then click the "Convert transactions" button.
6. Confirm the prompt displayed in the dialogue window by clicking "Exchange securities". ("Cancel" ends the process without making changes.)



The self-administered securities selected are transferred to available securities that are updated via the data feed. In doing so, the quotes of the self-administered securities are moved under the securities updated via the data feed and the self-administered securities are then permanently deleted. Transactions and order book entries are also converted.

In doing so, valuation prices are adopted from deleted securities, but close prices are not.

The self-administered security disappears from the list.

On the "Reconciliation", "General" tab in the settings, define whether self-administered securities should be swapped automatically.

7.1.2 Save the table of self-administered securities

The table of self-administered securities can be saved in various commonly-used formats for to edit and archive as needed.

The following formats are available to you:

- Excel
- HTML
- Text
- XML

Follow these steps:

1. Select DATA ENTRY, SELF-ADMINISTERED SECURITIES in the main menu.
2. Right-click in the table and select SAVE AS in the context menu, and then select the required format.
3. In the "Save file as" dialogue window, enter a name (including the appropriate file name extension, such as "exampletable1.xls" for Excel). Select the required directory and confirm with "Save".
The file is saved in the selected folder.

7.2 The "Global exchange of securities" function

With this function, you can replace one security (in orders and coupons) with another. The function is global. That is, the function is applied across the entire database of your Infront Portfolio Manager.

To carry out a global security exchange:

1. In the main menu of your PSI, select EDIT, DATA Data entry, GLOBAL EXCH. OF SECURITIES.
The "Exchange of securities" dialogue window appears.
2. In the input field on the left, enter the security ID of the security you want to replace.
3. When you change to the next input field, for example, by pressing the <TAB> key, details on the name, WKN and ISIN of the security to be replaced as well as the number of transactions, kickbacks and order book entries affected by this exchange of securities appears below.
4. In the input field on the right, enter the security ID of the "new" security.
Here, too, the dialogue window underneath shows the securities found as well as the number of

transactions that already exist.

Exchange of securities
✕

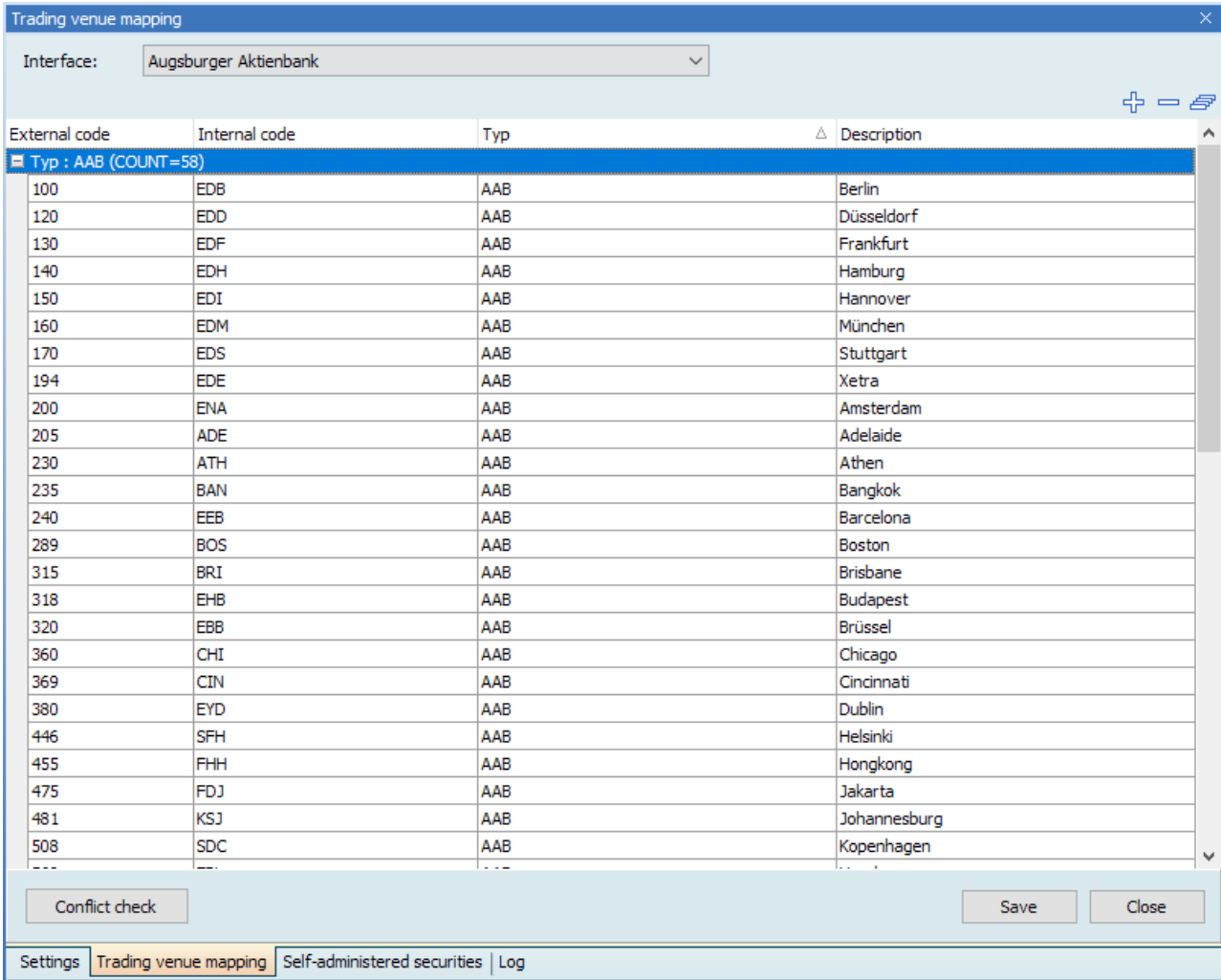
<p>From security</p> <p>Security ID: <input style="width: 150px;" type="text" value="86586"/></p> <p>Name: Deutsche Börse NA</p> <p>WKN: 581005</p> <p>ISIN: DE0005810055</p> <p>Valor:</p>	<p>By security</p> <p>Security ID: <input style="width: 150px;" type="text" value="899"/></p> <p>Name: Deutsche Bank NA</p> <p>WKN: 514000</p> <p>ISIN: DE0005140008</p> <p>Valor:</p>												
<p>Used in</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Transactions:</td><td style="text-align: right;">0</td></tr> <tr><td>Kickbacks:</td><td style="text-align: right;">0</td></tr> <tr><td>Order book entries:</td><td style="text-align: right;">0</td></tr> </table>	Transactions:	0	Kickbacks:	0	Order book entries:	0	<p>Used in</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Transactions:</td><td style="text-align: right;">0</td></tr> <tr><td>Kickbacks:</td><td style="text-align: right;">0</td></tr> <tr><td>Order book entries:</td><td style="text-align: right;">0</td></tr> </table>	Transactions:	0	Kickbacks:	0	Order book entries:	0
Transactions:	0												
Kickbacks:	0												
Order book entries:	0												
Transactions:	0												
Kickbacks:	0												
Order book entries:	0												

5. If both of the securities to be exchanged are correct, start the exchange across the entire database by using the (now enabled) "Exchange" button.
6. Click the "Close" button to close the dialogue window.

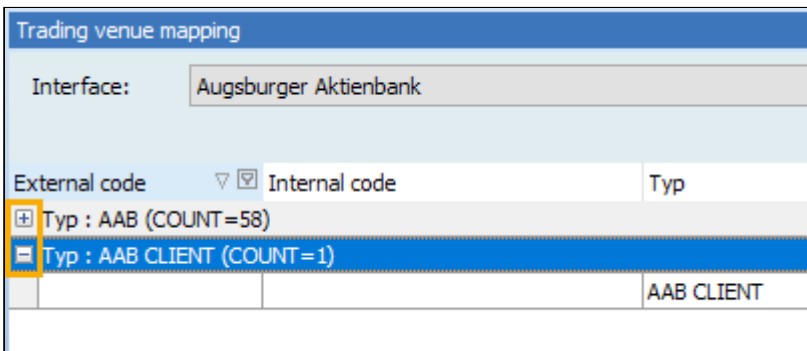
7.3 Trading venue mapping

The trading venue mapping described here is not available in every interface.




With trading venue mapping, you assign external codes to internal codes of all trading venues in Infront Portfolio Manager. To open "Trading venue mapping" tab, select EDIT, TRADING VENUE MAPPING from the main menu.





At the top of the window, select the required interface in the drop-down list. All trading venue mappings for this bank are displayed. The list is grouped by the "Type" column. Several types are possible per interface: The non-editable predefined assignments (for example, of the "XYZ bank" type) and the mappings possibly already created by it (of the "XYZ bank client" type). You can find the number of data records of the relevant type in brackets.



Use the icons on the top right to manage your individually created trading venue mappings.

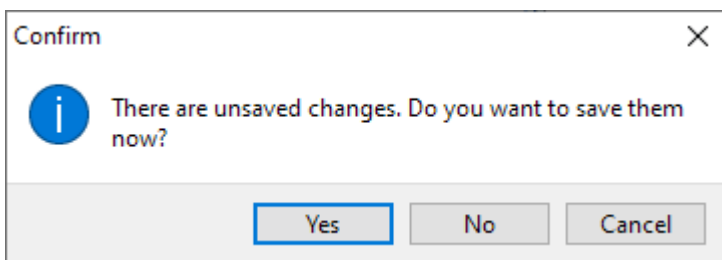
Icon	Description
	Select the "Add entry" icon to add a line. With the first entry, a new type such as "XYZ bank client" is created. Enter the required IDs in the columns "External code" and "Internal code". Caution: Enter this code as free text; no verification follows.
	Select the "Delete highlighted entry" icon to delete the currently selected entry. You are prompted to check whether you really want to delete the entry. If you confirm it, the entry is deleted.
	Click the "Delete all self-created entries" icon to delete all individually created entries of the list. You are prompted to check whether you really want to delete the entries. If you confirm it, the entries are deleted.

 the "MIC" type indicates trading venues with the **Market Identifier Code**. This is a unique 4-character identification number for trading venues defined in **ISO 10383**.
In Infront Portfolio Manager, the MICs are delivered via the (automatic) data update.

-  **Tips for the table in the "Trading venue mapping" dialogue window:**
- Sort the table by column by clicking on a column heading. Click the same column heading again to reverse the sort order. The small grey arrow icon shows the current sort sequence.
 - In the list of trading venue mappings, you can also apply a filter based on the entries in each column. To do this, simply click the arrow icon on the right border of the column and select the required filter criterion from the drop-down list.
 - Using the "Conflict check" button, you can test the current mapping for problems.

To close the "Trading venue mapping" tab, select the "Close" button.

If there are changes that are not yet saved, you are a corresponding message appears before closing. You can then decide whether to save ("Yes") or dismiss ("No") the changes. The "Cancel" button takes you back to trading venue mapping.



7.4 Bank Migration Wizard

The Bank Migration Wizard allows you to configure bank details in Portfolio Sync Interface. You can determine the referencing data from the data deliveries and assign it to the available accounts and securities accounts in Infront Portfolio Manager.

The following applies:

- If no banks are contained in the data supply, you can select banks from the bank details created in Infront Portfolio Manager.

- If banks are contained in the data delivery as well as in Infront Portfolio Manager, you can freely select from the matching banks.
- If the data delivery contains banks that do not exist in Infront Portfolio Manager, you can automatically create them.



When using the wizard, ensure that the "Consider client master data" and "Consider transaction data" checkboxes are selected in the bank-specific import settings (if they are available for your interface).

For more information on how to configure bank details by using the Bank Migration Wizard, see the following section.

See also:

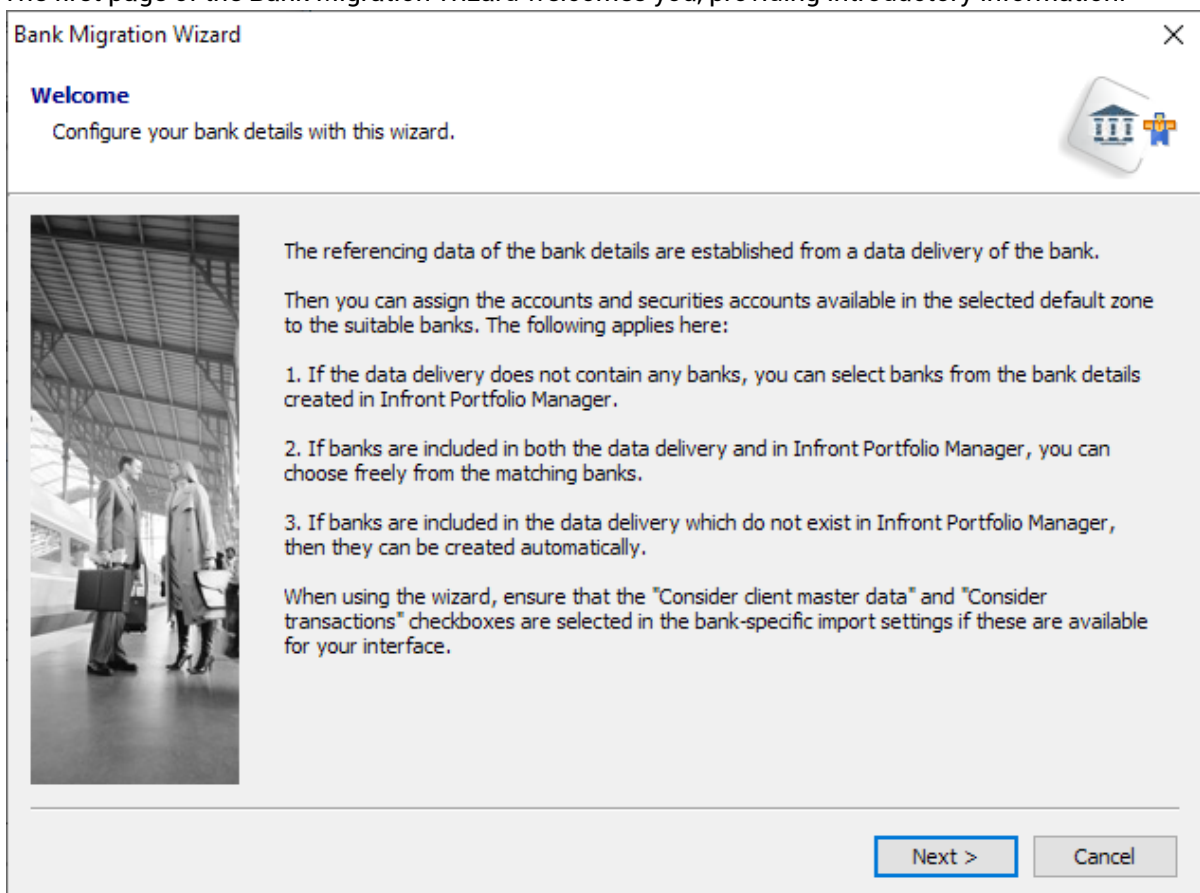
- [Supplement banks for client master data](#)

7.4.1 Supplement banks for client master data

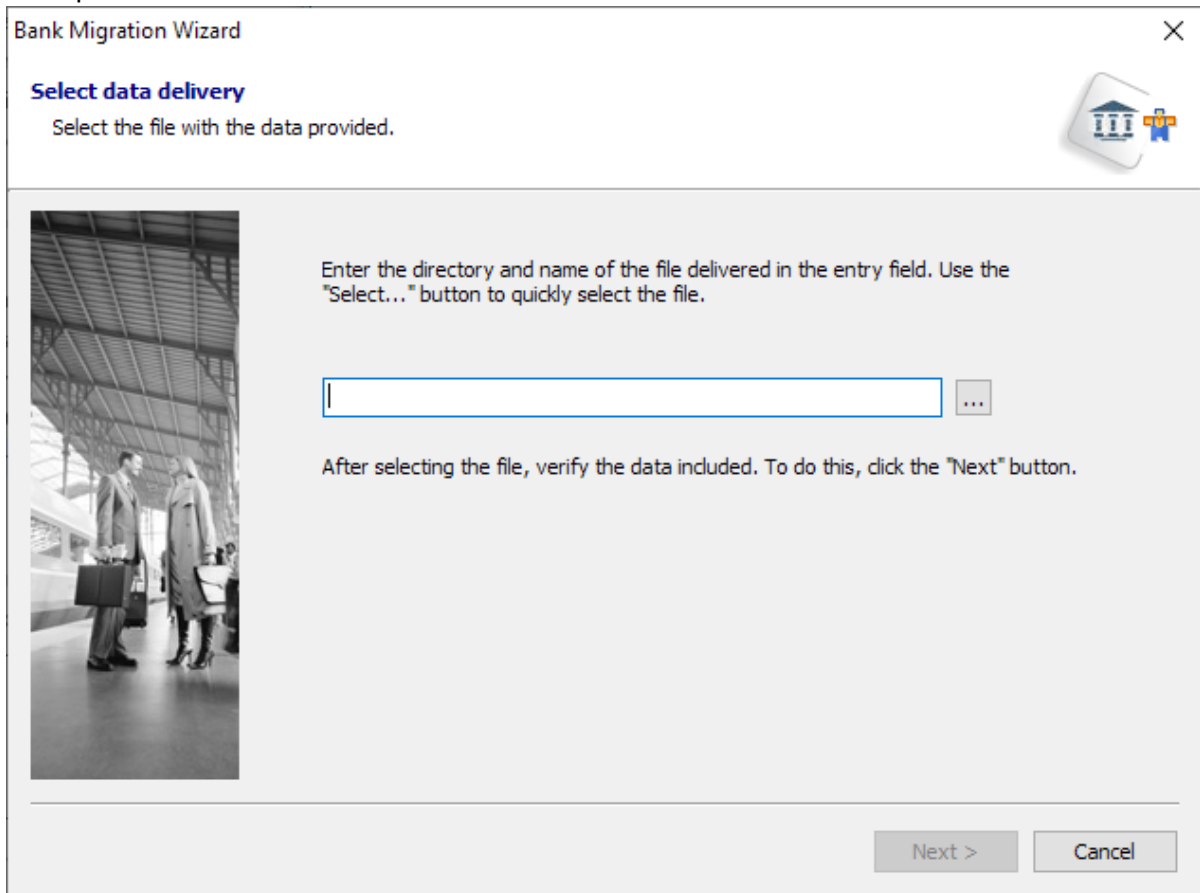
To configure your bank details in Portfolio Sync Interface, follow these steps:


1. Start the Bank Migration Wizard by selecting DATA ENTRY, SUPPLEMENT BANKS FOR CLIENT MASTER DATA in the main menu of PSI.

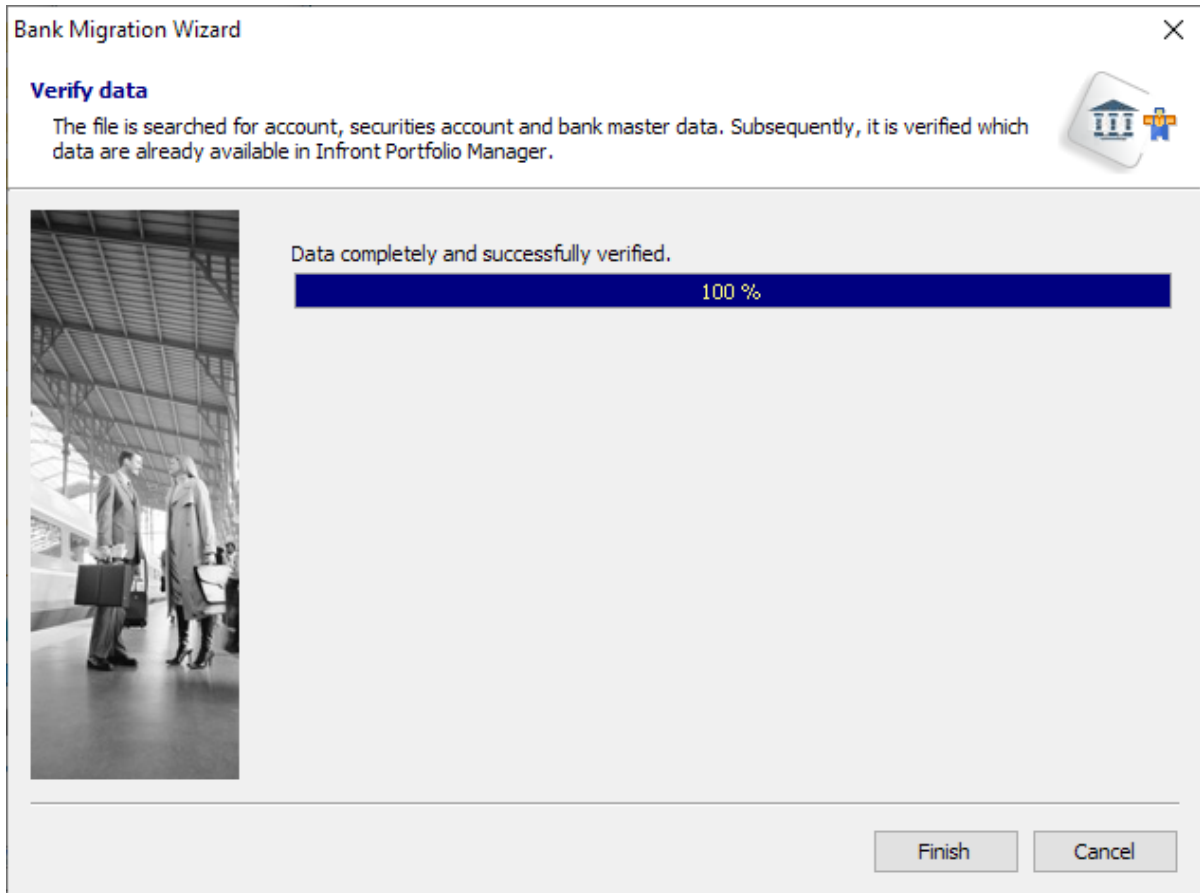
The first page of the Bank Migration Wizard welcomes you, providing introductory information.



2. Click the "Next" button.
This opens the second screen of the wizard.



3.  Select the data delivery here. In the input field, enter the directory and name of the file. Click the "Select file" icon to the right of the input field to quickly select the file.
4. Click the "Next" button.
This opens the next screen of the wizard. Here, the data contained in the file are checked (verified). The wizard searches for the account, securities account and bank master data. Next, the wizard checks which data is already contained in Infront Portfolio Manager. A status indicator shows the progress of the checking operation.



The result of the check is displayed. In addition to providing the number accounts, securities accounts and banks found, the wizard also informs you about the number of fitting accounts and securities accounts in Infront Portfolio Manager. Click the "Next" button.

This opens the next screen of the wizard. On the page, you see a list of the banks from the data delivery with information on name, sort code, BIC and branch. You can create them automatically in Infront Portfolio Manager. If necessary, filter the list from the data delivery by banks that you want to create in Infront Portfolio Manager, because only the visible banks are created. Click the "Create banks" button to create the currently visible banks.

If you do not want to create banks from the list in Infront Portfolio Manager, select the "Do not create any" checkbox.

5. Click the "Next" button.

This opens the next screen of the wizard. Here, you can assign banks to accounts and securities accounts. You can switch between the "Accounts" and the "Securities accounts" tab, respectively.

Filter the lists as usual and assign the bank details in the "Bank" column.



In the drop-down list, you can quickly select the bank details from the Infront Portfolio Manager and assign them by clicking the "Assign selected bank" icon.

Below the drop-down list, the wizard informs you about the matching items or possible conflicts that it found, for example, several fitting accounts. A hint icon might appear on the "Accounts" or "Securities accounts" tabs, indicating conflicts. The corresponding rows are highlighted and shown on top of the list, allowing you to quickly see them. If this is the case, check carefully which assignment fits.



To show only rows with conflicts, click the "Filter for conflicts" icon. By clicking the icon again, you cancel the filter.

- After the assignment, click the "Next" button.
The next page of the wizard appears.

The wizard informs you that the configuration of the bank details was successful. Separated by accounts and securities accounts, the statistics show the number of changed accounts and securities accounts as well as the names of the corresponding bank details.

- Click the "Finish" button to complete the migration and exit the wizard.

7.5 Saved balances

In your PSI, you have the option to save and manage account balances for every interface. To do this, follow these steps:

- In the main menu of PSI, select EDIT, SAVED BALANCES.
The "Saved balances" tab opens.
The window displays the individual accounts per row.
- Where applicable, select the PSI Transaction Data from the "Interface" drop-down list at the top in the dialogue window.
Now you can edit existing entries by clicking in the table cells and overwriting the entries.
- To save the entries without closing the window, select the "Apply" button.
- After completing your entries, close the dialogue window with "Close".

Carry out the following actions by using the icons:

Icon	Description
	Update Refreshes the list.
	Delete selected balance Deletes a selected entry from the list. You are prompted to check whether you really want to delete the entry. If you confirm with "Yes", the entry is deleted.
	Delete all balances for this interface Deletes all entries displayed in the list. You are prompted to check whether you really want to delete the entries. If you confirm with "Yes", the entries are deleted.

You can sort this list in the usual way by double-clicking the relevant column heading or filter it using the arrow icons in the column headings.

The columns in detail:

Column	Description
Account	The name of the account in Infront Portfolio Manager.
Account number	The account number of the account.

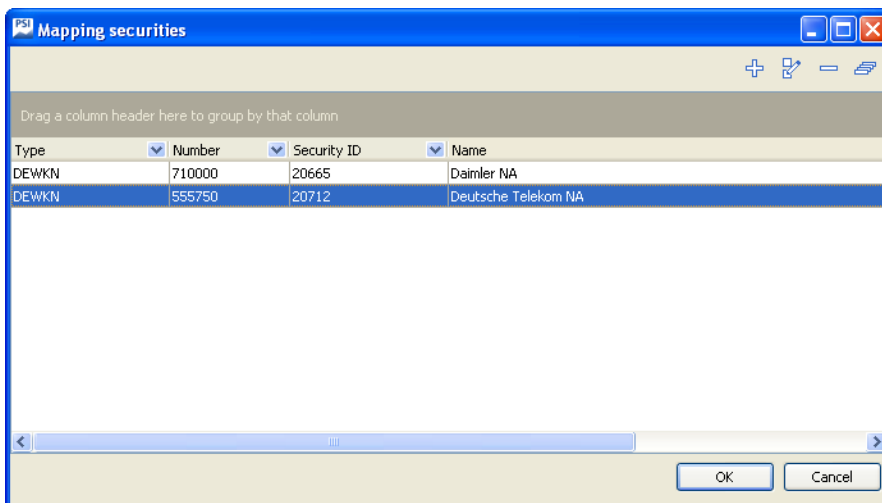
Column	Description
Disabled	Shows whether or not the account is disabled. You can disable accounts by using the account properties in Infront Portfolio Manager.
Balance	The saved account balance.
Date	The date for which the balance was determined.

7.6 Securities mapping

Securities mapping allows you to allocate securities references in the PSI data to the corresponding security ID in Infront Portfolio Manager in case of ambiguities. If, for instance, you have several matches for one ISIN in the database, you can assign the correct security via the securities mapping function. To open the "Securities mapping" dialogue window, select EDIT, MAPPING from the main menu.

Securities mapping assigns security references in the PSI data to the matching security ID in Infront Portfolio Manager. In doing so, you can choose between the types ISIN, DEWKN (Germany) and valor number (Switzerland).

To open the "Securities mapping" dialogue window, select EDIT, MAPPING in the main menu.




For a clear representation, you can also sort and filter or group the list in the usual way by dragging the column headers into the area above the list.

See also:

- [Create new securities mapping](#)
- [Edit securities mapping](#)


7.6.1 Create new securities mapping



To create new mapping entries, follow these steps:

1.  In the "Securities mapping" dialogue window select the "Create new mapping" icon.
2. Enter the data in the "Edit mapping" dialogue window that appears. Select the type at the top in the dialogue window: ISIN, DEWKN or valor number. Then enter the number in the input field below. Enter the search term in the "Security" field. By using the "Search" icon, you can search the security in the database. The name of the security appears at the bottom in the dialogue window.
3. Confirm your entries with "OK"; the entry is then added to the list.
4. Then also close the "Securities mapping" dialogue window with "OK".
During the next import, the mapping specification is taken into account.

7.6.2 Edit securities mapping

To edit existing mapping entries, follow these steps:

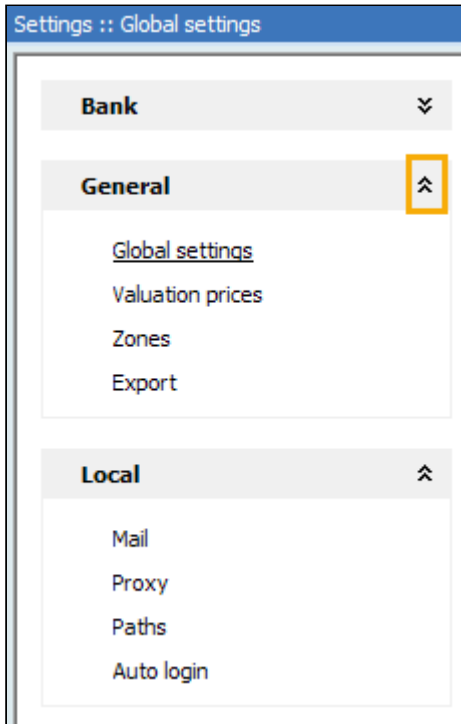
1.  In the "Securities mapping" dialogue window, double-click the line to be edited or highlight the entry and then select the "Edit selected mapping" icon.
2. Edit the data in the "Edit mapping" dialogue window that appears.
3. Confirm your entries with "OK"; this updates the entries in the list.
4. Then also close the "Securities mapping" dialogue window with "OK".
During the next import, the mapping specification is taken into account.

  Using the "Delete selected mapping" and "Delete all mappings" icons, additional functions for adjusting the list are available to you.

8 Settings

You can configure your individual settings (for each interface) in Portfolio Sync Interface.

Select command EDIT, SETTINGS to view/modify the settings. Here you can find all important setting options grouped clearly in the areas of "Bank", "General" and "Local" on a dialogue window. You can expand and collapse the individual areas by using the small arrow symbols in the headings.



i Local settings are only visible on the respective client computer while bank-specific settings are visible for all client computers.

Save settings with the "Apply" button at the bottom of the "Settings" dialogue window.

To save your settings but leave the window open for further settings, select the "Apply" button. Click "Close" only after entering all data. If there are unsaved change and you click the "Close" button, you are prompted whether to save the changes.

The individual areas are described in detail in the following sections.

See also:

- [Bank-specific settings](#)
- [General settings](#)
- [Local settings](#)

8.1 Bank-specific settings

To view or modify the bank-specific settings, select EDIT, SETTINGS in the main menu. Select your interface in the "Bank" area in the "Settings" window. The default settings are generally identical for every bank, but you can change them for a specific bank.

Additional tabs with detailed bank-specific settings can be seen on the right-hand side for banks. The details can be found in the relevant supplementary documentation "PSI transaction data <Bank name>". By default, you can find these as a PDF file in the \help\manuals directory of Infront Portfolio Manager.

In the following chapter, you will learn which specific options are available to you within the clearly structured tabs. Open the tabs by clicking the appropriate link in the "Bank" area on the left.



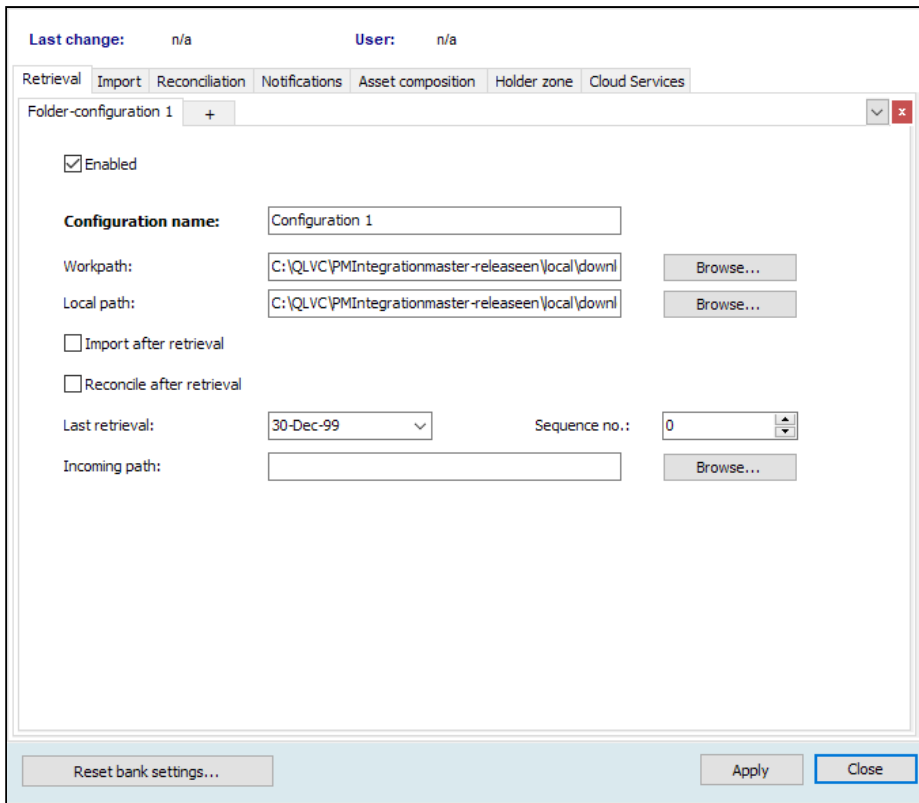
Only those banks already licensed for you can be seen on the left side of the "Settings" dialogue window.

At the top, on the right side of the bank-specific settings, you can find for each bank the date and time of the last change of the settings as well as the name of the Infront Portfolio Manager user who made the change.

See also:

- ["Retrieval" tab](#)
- ["Reconciliation" tab](#)
- ["Import" tab](#)
- ["Notifications" tab](#)
- ["Asset composition" tab](#)
- ["Holder zone" tab](#)
- ["Database" tab](#)
- ["Cloud Services" tab](#)
- ["Mass data processing" tab](#)
- [Reset bank settings](#)
- [Bank-specific supplements](#)

8.1.1 "Retrieval" tab



Specify paths, folders and behaviour for the retrieval of each interface: You can create and save various configurations that you can quickly enable or disable later.

The tab provides the following configuration options:

Element	Description
Enabled	Select this checkbox to apply the current configuration to the retrieval. If you have created several configurations, you can enable or disable them individually.
Configuration name	Enter the description of the configuration in this input field. This description is used for the preview of the paths as well as in the log.
Working path	Specify the working path for the retrieval. In addition to entering the path manually, you can also click the "Browse..." button to select In the "Work" folder, the retrieved files of your bank are stored unchanged.
Local path	Specify the local path for the retrieval. In addition to entering the path manually, you can also click the "Browse..." button to select In the "Local" folder, the retrieved files are daily copied as zip archives from the "Work" folder
Import after retrieval	Select this checkbox if you want to start the import after the retrieval is finished.

Reconcile after retrieval	Select this checkbox if you want to start a reconciliation after the retrieval is finished.
Last retrieval	The date of the last retrieval. You can enter the date manually or pick it from the calender.
Sequence number	(Only for some interfaces) The sequence number of the last retrieval.
Retrieval from folder	
Element	Description
Incoming path	Specify the incoming path for the data to be retrieved from a folder. In addition to entering the path manually, you can also click the "Browse..." button to select
HTTPS retrieval	
Element	Description
HTTPS address	Enter the date for the prices to be retrieved.
User name	Enter the corresponding user name.
Password	Enter your password.
FTP retrieval	
Element	Description
FTP server	Enter the FTP server for the data to be retrieved.
User name	Enter the corresponding user name.
Password	Enter your password.
Port	Enter the correct port for the retrieval. The default setting is port 21.
Remote path	Enter the remote path for the FTP retrieval.
SFTP retrieval	
Element	Description

SFTP server	Enter the SFTP server for the data to be retrieved.
User name	Enter the corresponding user name.
Password	Enter your password.
Port	Enter the correct port for the retrieval. The default setting is port 22.
Remote path	Enter the remote path for the SFTP retrieval.
Timeout	Enter the number of seconds for the timeout.
RSA key	Select the appropriate file with the RSA key here via the corresponding "Load..." button.
Deep download (through all subfolders)	Select this checkbox if you want to use the "deep" download. Selecting this feature will allow you to download all files from subfolders as well.
File pattern	If necessary, enter a regular expression here to filter the files to be downloaded.
Enable special date detection	Select this checkbox for date recognition. Selecting explicit date patterns allows only new removes them. Then enter the corresponding date patterns in the input fields below.
Date pattern (from)	Enter the regular expression here to extract the date from the file names.
Date pattern (to)	Enter the regular expression here to reformat the date to the required target format.


In addition, there can be further setting options for your PSI Transaction Data on this tab, for example, certificate with password and selection of data packages.

See also:

- [Create new configurations for the retrieval](#)
- [Delete configurations](#)


Create new configurations for the retrieval

You can create and save various configurations that you can quickly enable or disable later. To create a new configuration, follow these steps:

1. Select the corresponding bank as described above, and then select the "Retrieval" tab.
2.  Click the icon to the right of the already available tabs with configurations.
3. Enter a meaningful name in the "Configuration name" field.
4. Make the changes here, if necessary, and save them with "Apply".

Delete configurations

You can also delete created configurations. To do this, follow these steps:

1. Select the corresponding bank as described above, and then select the "Retrieval" tab.
2. Select the tab with the configuration that you want to delete.
3.  Click the icon to the right of the tabs with configurations.
4. Save the settings by clicking the "Apply" button.

8.1.2 "Reconciliation" tab

To specify the behaviour of your Portfolio Sync Interface on reconciliation, follow these steps:

1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then switch to the "Reconciliation" tab. This is broken down into the "General" and possible further tabs such as the "Pending cash balances" and "Assessed reconciliation" tabs (if licensed).
3. Select your settings on the "General" tab. For more information on the individual functions, see the following section ["General" tab](#).
4. On the "Pending cash balances", tab you can enable and configure pending cash balances. For more information on the add-ons that are subject to licensing, see [Pending cash balances](#) and ["Pending cash balances" tab](#).
5. If you use the "Assessed reconciliation" function, you can find the setting options for this add-on on the tab of the same name. For more, see [Assessed reconciliation](#) and ["Assessed reconciliation" tab](#).
6. Confirm your details by clicking the "Apply" button.

See also:

- "General" tab
- "Pending cash balances" tab
- "Assessed reconciliation" tab
- "Pending accrued interest" tab
- "Special ISIN patterns" tab
- "Ignore securities account reconciliations" tab

"General" tab

Show errors only

Select this checkbox so that the log does not become confusing where there are many items shown. If selected, correct positions are not listed in the log. This results in an increase of the reconciliation speed.

Reconcile accounts as of current date

Select this checkbox to reconcile the accounts as of the current date (system date of the computer). In this case, the date provided from the data delivery is ignored.

Reconcile accounts by value date

In order to calculate the account balance, all postings for this account on the date specified are totalled. Select this checkbox if your PSI should use the postings up to this value date. The posting date applies as a reference date if the checkbox is cleared.

Show non-reconciled securities accounts/accounts

When reconciling accounts and securities accounts of Infront Portfolio Manager, your PSI reconciles only those accounts and securities accounts affected by the data to be imported.

If you select this checkbox, the securities accounts and accounts in the default zone that were not reconciled will also be displayed. An appropriate message is displayed to the effect that these were not reconciled. This way it is possible to identify "forgotten" accounts or securities accounts when reconciling.

In the "General settings" in the "Zones" area, you can select from which banks securities accounts and accounts should be displayed. For more information, see [Assign banks for negative reconciliation](#).



If the "Show non-reconciled securities accounts/accounts" checkbox is selected, but no banks are selected in the "Zones" area, then the accounts and securities accounts of all banks that are not reconciled are shown.

Granularity

Here, you can define down to which level the reconciliation should be carried out to by selecting the corresponding entry in the drop-down list. The default setting is "Securities account". Possible settings here are:

- Securities account
- Securities account/depository
- Securities account/depository/lock

Position reconciliation tolerance

Enter a value for the tolerance when reconciling the positions; the default setting is 0.0001.

Balance reconciliation tolerance


Enter here a value for the tolerance when reconciling the balances; the default setting is 0.0001.

Enable position import

Select this checkbox to enable the "Position import" add-on (subject to licensing). For more information on this feature, see [Position import](#).


Save account balances

If you select this checkbox, the missing account balances are supplemented.

 The settings option is not available for all PSI Transaction Data.

Supplement account balances

If you select this checkbox, the missing account balances are supplemented.

 The settings option is not available for all PSI Transaction Data.

"Pending cash balances" tab

If you have licensed the "[Pending cash balances](#)" add-on for a bank, proceed as follows to work with pending cash balances:

1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then switch to the "Reconciliation" tab and then to the "Pending cash balances" tab.
3. Select the "Pending cash balances active" checkbox.
4. Below, you can specify the date. The default setting is the posting date. To switch to value date or the import date, select the corresponding option.
5. Below, you can enter the exact number of days for the postponement of certain transactions or set this by using the arrow icons. The following individual transactions are available:
 - Purchase/sale
 - Final maturity
 - Dividend
 - Fund distribution
 - Security interest
 - Tax postings
 - Other
6. Then confirm your entries with "Apply".

"Assessed reconciliation" tab

On this tab, you can enable the "[Assessed reconciliation](#)" add-on (if licensed).

You can find the following individual settings options on this tab:

Element	Description
Run assessed reconciliation	Select this checkbox if you want to carry out an assessed securities account reconciliation. For more information, see Assessed reconciliation .

Element	Description
Price type for valuation	<p>In this selection list, select the price type to be used for the valuation:</p> <ul style="list-style-type: none"> • Use only Market Data Pool prices • Use Market Data Pool price ahead of valuation price • Use valuation price ahead of Market Data Pool price • Use only valuation prices
Tolerance market value	<p>Enter the required percentage and/or absolute value to be tolerated in the event of deviations of the market values. A reconciliation error is shown if the amount of the deviation at least exceeds the value in the "Absolute min" input field and also either exceeds the percentage tolerance or the value entered in the "Absolute max." input field.</p>
Accrued interest tolerance	<p>Enter the required percentage and/or absolute value to be tolerated in the event of deviations of the accrued interest. A reconciliation error is shown if the amount of the deviation at least exceeds the value in the "Absolute min" input field and also either exceeds the percentage tolerance or the value entered in the "Absolute max." input field.</p>

Explanation for the absolute and percentage tolerance values

The absolute minimum for the market value makes sense if, for example, you have a worthless option which is valued as 0.001 by one side and as 0 by the other. In percent, the deviation would be 100% in this case, the absolute amount, however, is so small as to be negligible.

On the other hand, messages about deviations below the percentage tolerance limit can also make sense if a certain maximum amount is exceeded. For example, there could be a deviation of over 10,000 EUR with a very large position value (for example, 10,000,000 EUR).

"Pending accrued interest" tab

If you have licensed the ["Pending accrued interest"](#) add-on for a bank, proceed as follows to work with pending accrued interest:

1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then click the "Reconciliation" tab, and then the "Pending cash interest" subtab.
3. To consider pending accrued interest for securities, select the "Enable pending accrued interest for securities" checkbox and enter the necessary number of pending days in the input field or use the arrow keys to specify the number.
4. To consider pending accrued interest for cash balances, select the "Enable pending accrued interest for cash balances" checkbox and enter the necessary number of pending days in the input field or use the arrow keys to specify the number.
5. Then confirm your entries with "Apply".

"Special ISIN patterns" tab

The "Matching with special ISIN patterns" feature gives you the possibility to match the individual ISINs assigned in your Infront Portfolio Manager with the ISINs from the data delivery. If you have subscribed to

the "Match with special ISIN patterns" feature for mapping ISINs, you can activate the feature in the bank-specific settings and configure your (sample) ISINs and mapping rules.

To configure ISIN patterns:

1. In the bank-specific settings, switch to the "Matching", "Special ISIN pattern" tab page.
2. Select the "Enable matching of specific ISIN patterns" checkbox.
3. Add the model ISINs and the corresponding ISINs of the securities in Infront Portfolio Manager to the list.
4. Confirm the configuration with the "Apply" button.
The delivered transactions are then compared for the corresponding ISINs.

"Ignore securities account reconciliations" tab

If you have licensed the "Ignore securities account reconciliation" add-on for a bank, securities positions will be ignored during the securities account reconciliation for selected securities accounts.

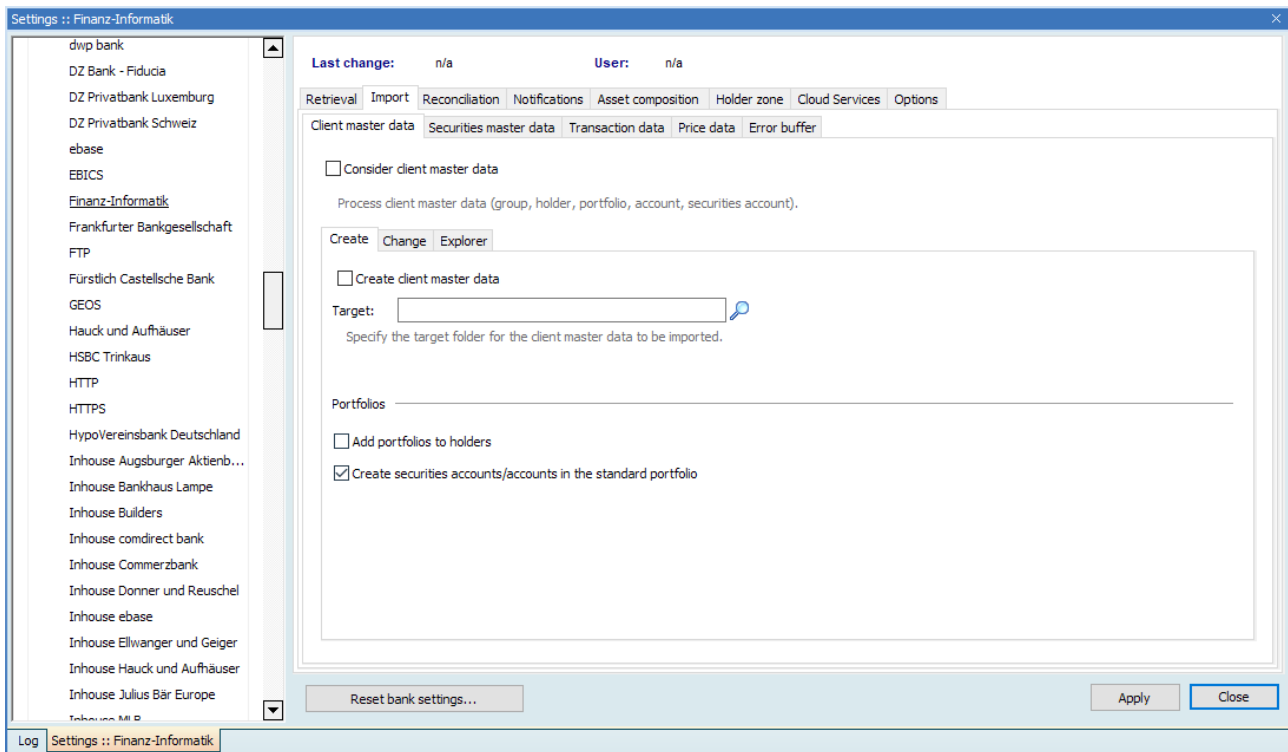
To select the securities accounts:

1. In Portfolio Sync Interface, select the EDIT, SETTINGS command.
2. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
3. Switch to the "Reconciliation" tab, and there to "Ignore securities account reconciliations".
4. Select the "Enable Ignore securities account reconciliation" here.
5. Enter the corresponding securities account numbers in the lower navigation elements.
6. Save the settings with the "Apply" button.
Proceed in the same way to disable the feature again.



In the "Ignore securities movement" feature, you also have the option of ignoring the adjustment for these positions.

8.1.3 "Import" tab



This tab enables you to specify the behaviour of the PSI during the import. The options are, however, already pre-configured depending on the respective interface.

The "Import" tab has several subtabs: "Client master data", "Securities master data", "Transaction data", "Position data", "MiFIR-Daten" and "Error buffer" For more information on these tabs, see the following sections.

To specify the import behaviour of your Portfolio Sync Interface:

1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then switch to the "Import" tab.
3. Select or clear the checkboxes and select the required settings on the subordinate tabs. For more information on the individual functions, see the following sections.
4. Confirm your details with "Apply".

See also:

- ["Client master data" tab](#)
- ["Securities master data" tab](#)
- ["Transaction data" tab](#)
- ["Position data" tab](#)
- ["Price data" tab](#)
- ["MiFIR data" tab](#)
- ["Error buffer" tab](#)

"Client master data" tab

If the "Import" tab is opened as before, you will first see the options for the client master data. Select the "Consider client master data" checkbox to consider the client master data when importing. (Clearing the selection of this checkbox is, for example, useful for an initial data population.)

The options on the "Create", "Change" and "Explorer" subtabs in detail:

"Client master data" tab - "Create" subtab	
Element	Description
Create client master data	<p>If you select this checkbox, the master data of the clients (holders, portfolios, securities accounts and accounts) are created in the default zone when importing the master data.</p> <p>For more information on how to view or assign the default zone in PSI, see Administer zones.</p>
Target	<p>Specify the target folder for the client master data to be imported.</p> <p>Click the "Search" icon to open the object search for searching the required folder.</p> <p>A target folder can be either a folder or a group.</p>
Consider target from the data delivery	<p>Select this checkbox if the delivered data of the target folder is also supplied and are to be considered when importing the client master data.</p> <p>Hierarchical information about the data delivery is transferred to Infront Portfolio Manager in Explorer hierarchy.</p>
Add portfolios to holders	<p>Select this checkbox if an (empty) portfolio should also be created when creating the securities account object for the holders.</p> <p>If a holder has only one portfolio, then accounts and securities accounts are created under this portfolio. If the holder has several portfolios, then accounts and securities accounts are created directly under the holder.</p> <p>Special case: For the asset composition, no portfolio configuration is carried out.</p>

<p>Create securities accounts/accounts in the default portfolio</p>	<p>Select this checkbox to create accounts and securities accounts under the default portfolio of the holder in the Explorer.</p> <p>If the checkbox is selected, then the following applies:</p> <ul style="list-style-type: none"> • If a holder has only one portfolio, then accounts and securities accounts are created under this "default portfolio". • If the holder has several portfolios, then accounts and securities accounts are created directly under the holder. • If the holder has several portfolios, then accounts and securities accounts are created directly under the holder. <p>If the checkbox is cleared, then accounts and securities accounts are created directly under the holder.</p> <p>If the "Consider portfolio data from data delivery" checkbox is selected, then the default portfolio cannot be enabled.</p>
<p>Consider portfolio data from the data delivery</p>	<p>Select this checkbox to also create the delivered portfolio data.</p>
<p>"Client master data" tab - "Change" subtab</p>	
<p>Element</p>	<p>Description</p>
<p>Permit changes to client master data</p>	<p>Select this checkbox to permit changes to the master data during import.</p> <p>If this checkbox is cleared, only the client master data is imported which has not yet been created. That is, no existing data is changed.</p>
<p>Delete manually entered data where no information is specified by the bank</p>	<p>The bank usually supplies only some of the master data fields specified in a securities account object or address. If this checkbox is selected, all other fields are overwritten with empty fields by the Portfolio Sync Interface.</p> <p>Clear this checkbox if you want to retain your own content in the event of empty or missing bank information.</p>

<p>Overwrite the following data: Address master data</p>	<p>Select the checkboxes of the relevant address master data that you want to have overwritten during import.</p> <p>You can find the following individual master data fields:</p> <ul style="list-style-type: none"> • Surname • First name • Title • Salutation • Middle name • Organisation • Date of birth • Address • Postcode • City • Country • Phone (private) • Phone (business) • Phone (mobile) • Fax • E-mail <p>Master data that has not been expressly specified and which is less important is treated in the same way. That is, the optional second saved e-mail address is treated like the first one and so on.</p>
<p>Overwrite the following data: Holder master data</p>	<p>Select the checkboxes of the relevant holder master data that you want to have overwritten during import.</p> <p>You can find the following individual master data fields:</p> <ul style="list-style-type: none"> • "Created on" date • "Disabled on" date • Reporting (information on the "Reporting" subtab in the holder properties) • Tax details (information on the "Tax information" subtab in the holder properties) • Allocate address • Allocate ref. address 1 • Allocate ref. address 2 • Comment • "Performance calculation from" date
<p>Overwrite the following data: Holder master data</p>	<p>Select the checkboxes of the relevant holder master data that you want to have overwritten during import.</p> <p>You can find the following individual master data fields:</p> <ul style="list-style-type: none"> • "Created on" date • "Liquidate investment on" date • Profile key • Investment policies (information on the "Investment policies" subtab in the holder properties) • Reporting (information on the "Reporting" subtab in the portfolio properties) • Allocate advisor • "Performance calculation from" date

<p>Overwrite the following data: Account master data</p>	<p>Select the checkboxes of the relevant account master data that you want to have overwritten during import.</p> <p>You can find the following individual master data fields:</p> <ul style="list-style-type: none"> • "Created on" date • "Disabled on" date • Interest rate • Interest days • Coupon frequency • is call deposit account • Tax exemption • IBAN
<p>Overwrite the following data: Securities account master data</p>	<p>Select the checkboxes of the relevant securities account master data that you want to have overwritten during import.</p> <p>You can find the following individual master data fields:</p> <ul style="list-style-type: none"> • "Created on" date • "Disabled on" date • "Performance calculation from" date • Tax exemption
"Client master data" tab - "Explorer" subtab	
Element	Description
<p>Permit changes to the Explorer name</p>	<p>Select this checkbox if you want to permit changes to the name in the Explorer during import.</p> <p>Use the drop-down lists below to specify how to enforce the changes for the Explorer objects.</p> <p>For folders and securities account objects, the following options are available:</p> <ul style="list-style-type: none"> • Do not enforce changes • Move in case of changes • Copy in case of changes (This selection is available only for folders, groups and holders.) • Ignore Explorer information (When you select it, the imported objects do not appear in the Explorer of Infront Portfolio Manager). This setting is also only available for folders, groups and owners)

"Securities master data" tab

In addition to the [Client master data](#) described in the previous section, further settings for securities are available on the "Security master data" tab for corresponding interfaces.

Select the "Consider security master data" checkbox to consider the security master data when importing and specify further settings.

Element	Description
Consider securities master data	Select this checkbox to consider the security master data when importing. This data is then extracted from the data delivery and made available to the Portfolio Sync Interface. By using the "View" function, you can View .
Investments in securities	Select this checkbox to automatically create securities that are supplied over the master data interface and that are not in the database.
Check securities	Select this checkbox to check the securities by specific criteria. This includes the checking of the correct price factor, the contract factor for options as well as tick size and tick value for futures.
Supplement securities master data	Select this checkbox to use the data delivery to supplement the data for securities master data in the database. This relates to the values from "Check securities" as well as data on underlyings and references (ISIN, DEWKN, valor number).

"Transaction data" tab

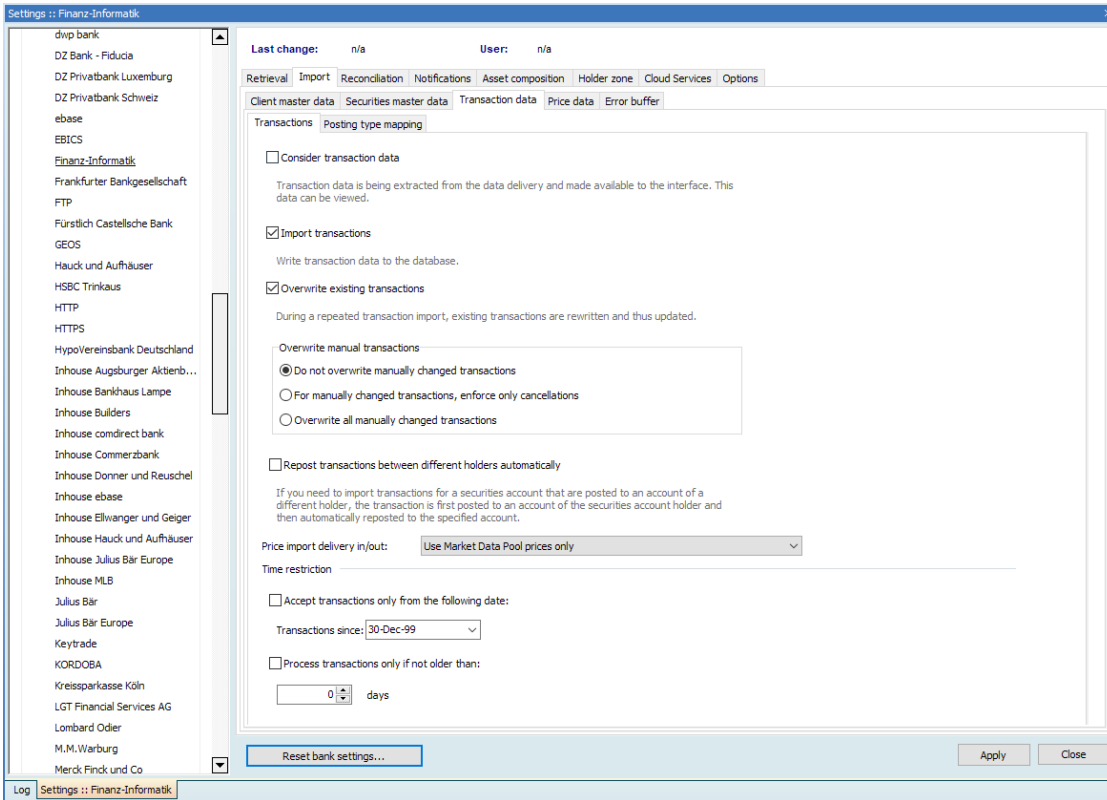
On the "Transaction data" tab, specify in detail how you want to import transactions.

The "Transaction data" tab has several subtabs: "Transactions", "Configure plausibility checks", "Posting type mapping", "Clearing entries", "Initial margin auto closings", and so on. Read the following sections for details on these tabs.

See also:

- ["Transactions" tab](#)
- ["Configure plausibility checks" tab](#)
- ["Posting type mapping" tab](#)
- ["Adjustment postings" tab](#)
- ["Initial margin auto-closings" tab](#)
- ["Orders without securities side" tab](#)
- ["Automatic change to default settlement account" tab](#)

"Transactions" tab



Select the "Consider transaction data" checkbox on the first tab in the "Transaction data" area to consider the transaction data when importing. The data is then extracted from the data delivery and made available to Portfolio Sync Interface.

Element	Description
<p>Import transactions</p>	<p>Select this checkbox to write the transactions to the database when importing.</p>
<p>Overwrite existing transactions</p>	<p>This checkbox is selected by default. Thus, all transactions are imported and hence updated, irrespective of those already entered. Notice the extended settings options for manually changed transactions (directly below this checkbox).</p> <p>Clear this checkbox to keep transactions already available in Infront Portfolio Manager.</p>

Element	Description
Overwrite manual transactions	The settings will be applied only if the "Overwrite existing transactions" setting above is selected. Manually changed transactions are not overwritten by default. Selected the required option for the behaviour in case of changed transactions: <ul style="list-style-type: none"> • Do not overwrite manually changed transactions • For manually changed transactions, enforce only cancellations • Overwrite all manually changed transactions
Repost transactions automatically between different holders	If this checkbox is selected, transactions imported into a securities account but to be settled on an account of another holder are first posted to an account of the securities account holder and then automatically reposted to the specified (target) account. Only with the licensed " Cross-holder securities account transfer " add on.
Price feed deliveries in/out	In the drop-down list, select which prices should be preferentially used for incoming and outgoing deliveries. The following options are available: <ul style="list-style-type: none"> • Use only Market Data Pool prices • Use Market Data Pool price ahead of valuation price • Use valuation price ahead of Market Data Pool price • Use only valuation prices
Accept transactions only from the following date	Select this checkbox if transactions are not to be accepted until a date specified by you. The input field includes a calendar to assist you in selecting the required date.
Process transactions only if not older than:	Select this checkbox and enter in the input field the limit up to which the transactions are to be imported. You can use the arrows to set the number of days. Older transactions are then not imported.

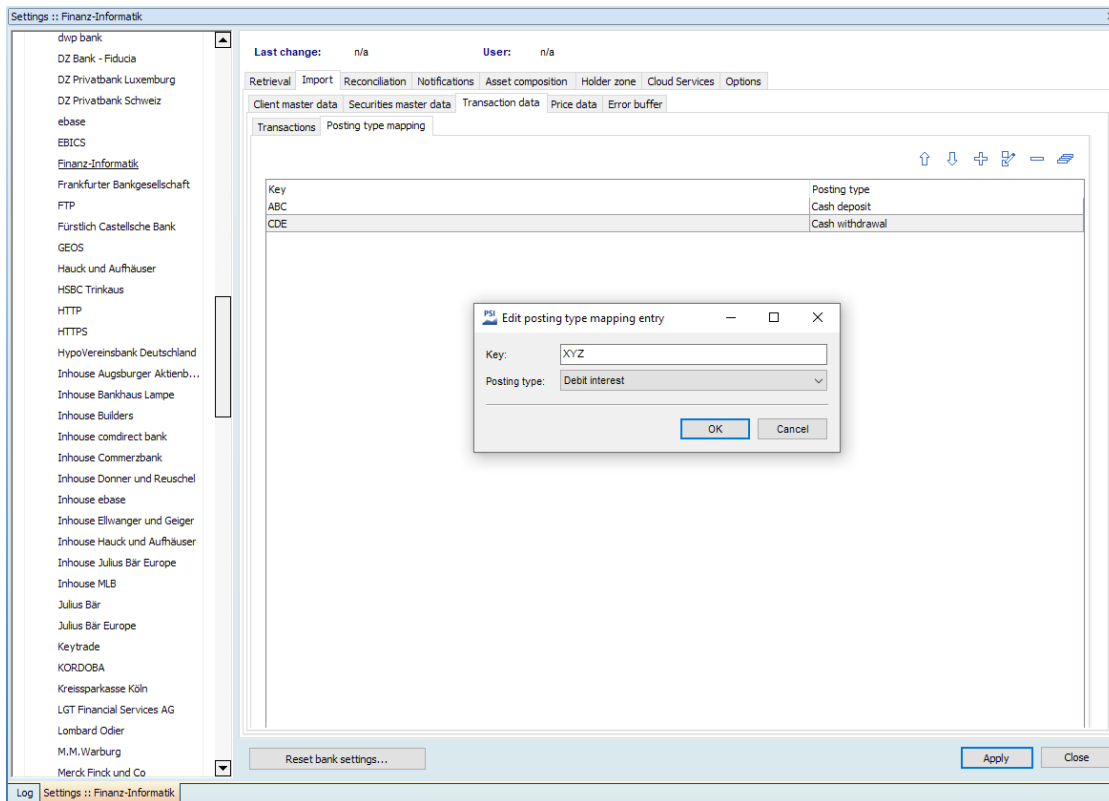
"Configure plausibility checks" tab

On the "Configure plausibility checks" tab, you can enable or disable the following plausibility check for the import:

"Check whether SolZ is less than or equal to the sum of ZAS_t and KES_t"

For more information about the comprehensive plausibility checks in Infront Portfolio Manager, see *Configure plausibility checks* and *Plausibility checks* in the online help of Infront Portfolio Manager.

"Posting type mapping" tab



You can specify certain keywords on this tab to enable your Portfolio Sync Interface or Infront Portfolio Manager to arrange the postings with these designated uses as the posting types selected here. To specify posting types, follow these steps:







1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then switch to the "Import" tab and then to the "Posting type mapping" tab.
3. Then click the "Create new mapping" icon.
4. In the "Edit posting type mapping entry" dialogue window that appears, enter a keyword in the "Key" input field and select the required posting type in the drop-down list.
5. Confirm your details with "Apply". The created mapping is considered in the next import in the order selected.

In the "Posting type" drop-down list, you can specify more precisely which transaction type is available. Possible entries:

- Cash deposit
- Cash withdrawal
- Tax-deductible expenses
- Debit interest
- Credit interest
- Limit fees
- Neutral posting
- Other income
- Securities account fees
- Asset management fees (AM fees)
- Transaction cost flat rate
- Refund voucher
- Stamp duty
- No posting

To see the designated use of a posting in Infront Portfolio Manager, see the **comments**.

Configure the list using the icons above the list:

Icon	Description
	"Up" icon Moves the currently selected list entry up one space and thus prioritise it.
	"Down" icon Moves the currently selected list entry down.
	"Create new mapping" icon Allows you to add a mapping using the "Edit posting type mapping entry" dialogue window that appears.
	"Edit selected mapping" icon Allows you to edit the highlighted mapping using the "Edit posting type mapping entry" dialogue window that appears. Tip: Double-clicking on an entry also opens the dialogue window for editing.
	"Delete selected mapping" icon Deletes the currently selected mapping. The entry is then removed without a prompt.
	"Delete all mappings" icon Deletes all entries. The list is then emptied without a prompt.







"Adjustment postings" tab

If you have licensed the feature "Automatic adjustment postings", you can activate it on this tab and configure the filters for BIC/Sort code and IBAN/account number.

You can find the tab in the settings under "Import", "Transaction data".

You can find the following elements on this tab:

Element	Description
Automatic adjustment postings	Select this checkbox to enable the "Automatic adjustment postings" feature for this interface.
Tables "BIC/Sort code filter" and IBAN/account number filter	
Element	Description
"Filter" column	The name of the filter (or the BIC or IBAN).

"Action" column	In this column, you can see which action is assigned to this filter. Possible actions: <ul style="list-style-type: none"> • Block • Allow
"Up" icon 	Moves the currently selected entry one place up, thus increasing its priority.
"Down" icon 	Moves the currently selected entry one place down.
"New entry" icon 	Click this icon to create a new filter. This opens a dialogue window where you enter a name for the filter in the "Filter" field and select from the "Action" drop-down list below whether these BICs or IBANs should be blocked or allowed. Confirm your entries with "OK"; this add the filter to the list.
"Edit selected entry" icon 	Click this icon to remove the entry selected in the list. This opens a dialogue window where you can change the name of the filter in the "Filter" field and change the action by using the "Action" drop-down list. Confirm your changes with "OK"; this updates the filter in the list.
"Delete selected entry" icon 	Click this icon to remove the entry selected in the list.
"Delete all entries" icon 	Click this icon to delete all entries in the list.

"Initial margin auto-closings" tab

On this tab, select the "Automatic initial margin closing postings" checkbox to automatically calculate missing margin closing amounts in exceptional cases.

"Orders without securities side" tab

You can find the tab in the settings under "Import", "Transaction data".

If you have subscribed to the "Ignore securities movement" feature for ignoring securities movements of certain orders based on securities account number and ISIN, then you can define the orders here.

See also [Ignore securities movement](#).

"Automatic change to default settlement account" tab

If the "Automatic change to default settlement account" feature is licensed and activated for a securities account, then the account of an order will be automatically replaced with the default settlement account.

To select the securities accounts:

1. In the Portfolio Sync Interface, select the EDIT, SETTINGS command.
2. In the "Settings" dialogue window, click the link with the name of your bank in the "Bank" section on the left.
3. Then switch to the "Import" tab and there to "Transaction data", "Automatic change to default settlement account".
4. Here, select the "Automatic change to default settlement account" checkbox.
5. Using the lower controls, enter the relevant securities account numbers in the list.
6. Save the settings with the "Apply" button.
Proceed analogously to deactivate the feature again.

"Position data" tab

If you activated the "Position import" add-on (subject to licensing), then a corresponding tab appears in which you can configure the following position import settings:

Element	Description
Consider positions	Select this checkbox to consider positions in the import. If this checkbox is selected, the positions are also shown if you use the "View" button. If you also want to import the positions, you also must activate the "Position import" feature as described in Enable position import import. In addition, you need to select the "Import positions" checkbox.
Import positions	To import positions with the "Position import" add-on, select this checkbox.
Exchange positions (instead of deleting)	This checkbox is selected by default. Clear this checkbox if you want to delete the positions during the import instead of exchanging them. Please note that the cleared checkbox means that affected transaction histories will be permanently deleted when importing positions.

Element	Description
Granularity	Here, you can define down to which level the position separation should be carried out to by selecting the corresponding entry in the drop-down list. Possible settings here are: <ul style="list-style-type: none"> • Securities account • Securities account/depository • Securities account/depository/lock
Price import mandatory	Select this checkbox if you want to always import prices during the position import.

"Price data" tab

See also:

- ["General" tab \(price data\)](#)
- ["Price blacklist" tab](#)

"General" tab (price data)

You can find the tab in the settings under "Import", "Transaction data".

The tab shows the following information: The settings for the general processing of price data are global. The corresponding activation option for processing for a specific interface is therefore located in the ["General - valuation rates" area](#) below the bank settings.

"Price blacklist" tab

You can find the tab in the settings under "Import", "Transaction data".

Add the ISINs of the securities whose prices are to be ignored to the price blacklist.

See also [Price blacklist](#).

"MiFIR data" tab

On this tab of the import settings (for MMASCI interfaces), you define if you want to consider MiFIR data.

You can specify the following settings:

Element	Description
Take MiFIR data into account	Select this checkbox to include MiFIR data in the import. If this checkbox is selected, then the MiFIR data is also shown when you click the "View" button. If you also want to import the positions, you must also activate the "Import MiFIR data" checkbox.
Import MiFIR data	Select this checkbox to include MiFIR data in the import.

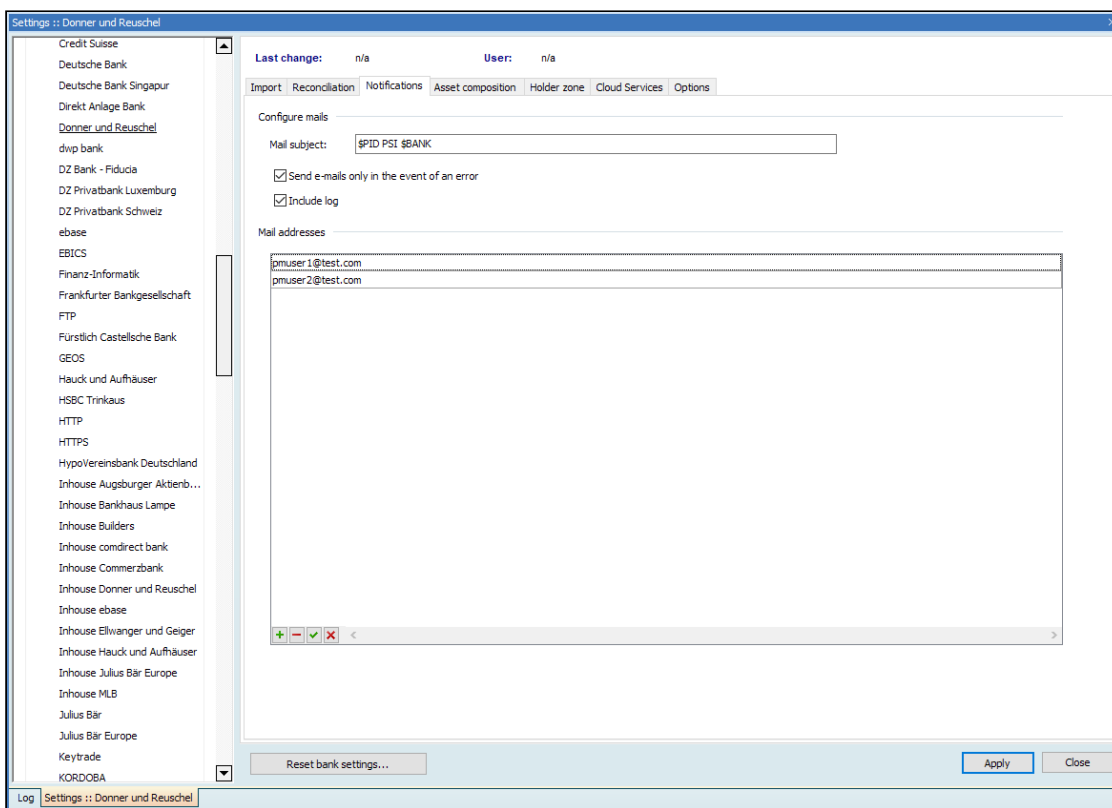
MiFIR data can be processed in Infront Portfolio Manager by using the MM-Talk formula language.

"Error buffer" tab

Element	Description
Error buffer enabled	Select this checkbox to enable the error buffer. Erroneous data is then written to the error buffer.

For more information, see [Error buffer](#).

8.1.4 "Notifications" tab



Use the entry field of this tab to enter the e-mail addresses to which an e-mail with the log of the most recent run is to be automatically sent after the import. More than one entry is possible.


Use this function to have a convenient monitoring possibility at all times, for example, for automatic, scheduled retrieval. For more information, see [Time-controlled data retrieval](#). To configure the e-mail notifications of your Portfolio Sync Interface, follow these steps:


1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then switch to the "Notifications" tab.
3. In the "Mail subject" field, enter the subject line for the e-mail notifications. Various placeholders are available in addition to free text input. These are:

Placeholder	Description
\$PID	Windows process ID of PSI process.

Placeholder	Description
\$BANK	Bank name of the Portfolio Sync Interface to which the log belongs.
\$ELC	"Error Line Count" – the number of error lines in the log.
\$USER	Windows user name under which the Portfolio Sync Interface was running.
\$IP	IP address under which the Portfolio Sync Interface was running.
\$COMP	Windows computer name on which the Portfolio Sync Interface was running.
\$DOM	Windows domain of the computer on which the Portfolio Sync Interface was running.





4. Enable checkbox "Send e-mails only in the event of an error" if you want to send notifications only when errors have occurred.
5. Decide whether the e-mails are to include a log. The "Include log" checkbox is enabled by default.
6. Enter the required e-mail addresses in the "Addresses" field.
7. Confirm your details with "Apply". Or discard your changes with "Close".

 To enter an e-mail address, click the small "Plus" icon at the lower left of the table or press <INS> on your table. You can now type in the e-mail address in the text field displayed.

 To delete a selected entry, click the small icon with the "minus" symbol or press <CTRL>+. The table below shows the functions of the icons at the bottom of the table.

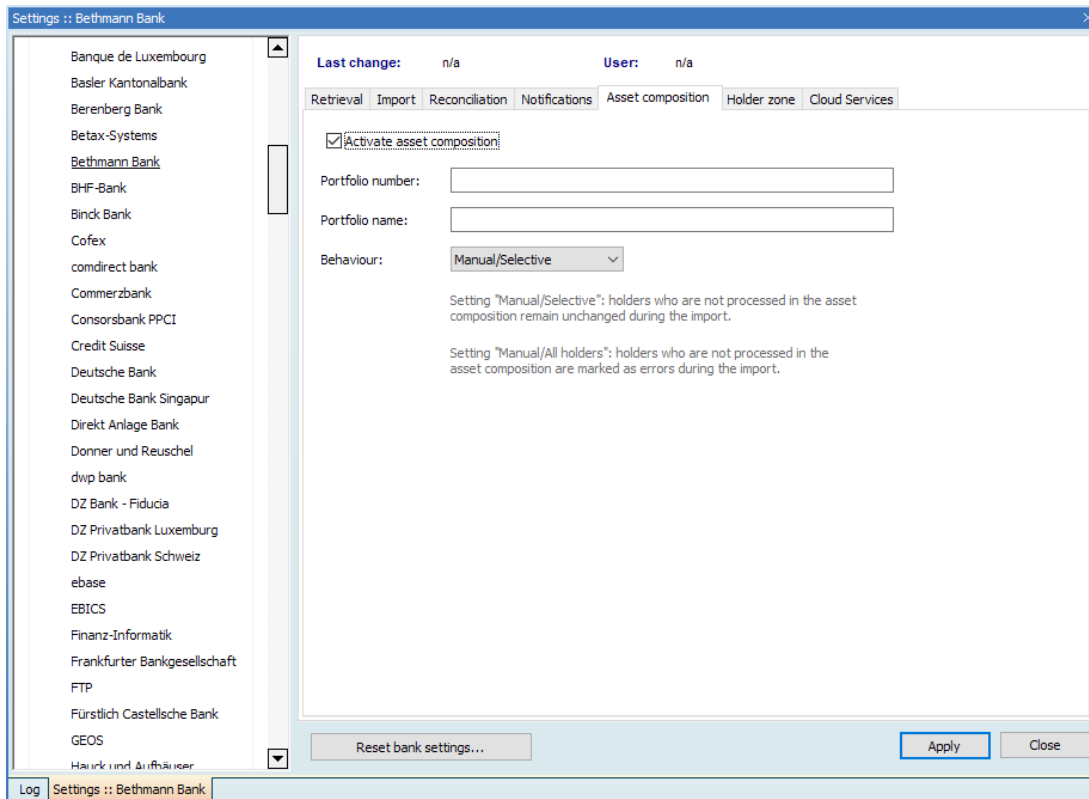
Icons for navigation in the tables

The following functions are available to you via the small icons in the bottom left - in the table in the "Notifications" tab as well as in other tables of your Portfolio Sync interface:

Icon	Description
	Click this icon to create a new table entry. Alternatively, press the <INS> key on your keyboard.
	Click this icon to delete the selected table entry. Alternatively, press <CTRL>+.
	Click this icon to apply the table entry currently being edited.
	Click this icon to discard the current changes to the table entry without applying them.

8.1.5 "Asset composition" tab

Only Portfolio Sync Interfaces that are also activated for the "Asset composition" function have this tab. For more information, see [Asset composition](#).

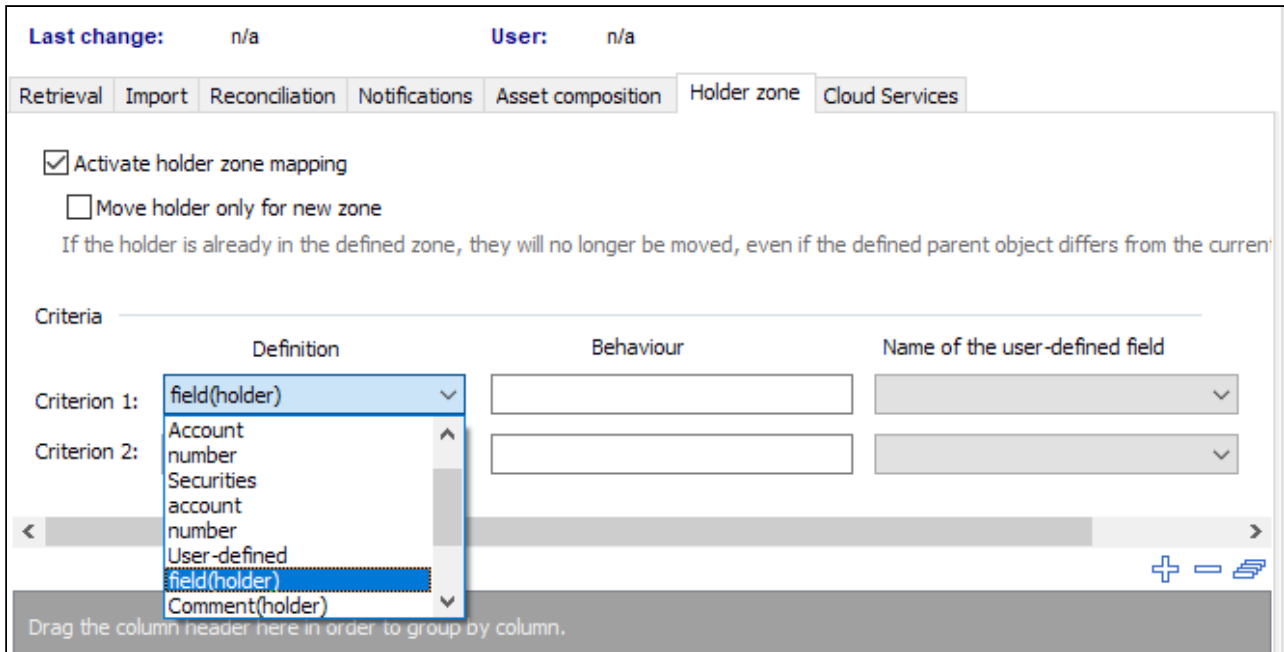


To prepare the asset composition for an interface, follow these steps:

1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then switch to the "Asset composition" tab.
3. Select the "Enable asset composition" checkbox.
4. Enter the formulas for the portfolio numbers in the "Portfolio number" input field.
5. Enter the formulas for the portfolio names in the "Portfolio name" input field.
For more information on the formulas for the names and numbers of the portfolios, see [Asset composition](#).
6. From the "Behaviour" drop-down list, select how you want to treat holders and their portfolios that are not managed via the asset composition.
You have the following options:
 - Manual/Selective
Select this entry to leave holders who are not administered by the asset composition unchanged during import.
 - Manual/All holders
Select this entry to highlight holders who are not processed by the asset composition as erroneous and to not import them.
7. Confirm your details with "Apply".
To disable the asset composition for this bank, clear the "Enable asset composition" checkbox.

8.1.6 "Holder zone" tab

If you have licensed the "Holder zone mapping" add-on, then this is where you configure the corresponding settings. A possible and practical configuration is that holders are moved in accordance with their assigned advisors.






To configure the holder zone mapping:

1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then switch to the "Holder zone" tab.
3. Select the "Enable holder zone mapping" checkbox.
4. If you do not want holders to be moved when they are already in the defined zone, select the "Move holder only with new zone" checkbox. In this case, the holder is not moved even when the current parent object differs from the one defined.
5. Below, define the first criterion of the holder zone mapping. For this criterion, select the definition, the behaviour and the name of the user-defined field in the corresponding drop-down lists.

Available criteria for the holder zone mapping:

- Advisor
 - Holder
 - Account number
 - Securities account number
 - User-defined field (holder)
 - Comment (holder)
 - Comment (account)
 - Comment (securities account)
6. Proceed in the same way for a second criterion.
 7. Then define the individual data records in the list. This allows you to set in which zone and under which parent (group or folder) new securities account objects should be created. Configure the list by using the icons above the list and by entering in the table cells:

Element	Description
	"Create new data record" icon Adds a new row.
	"Delete selected data record" icon Deletes the currently selected mapping. The entry is removed from the list after you confirm the security prompt.
	"Delete all data records" icon Deletes all entries. The list is emptied after you confirm a security prompt.
Parent	Explorer name or group number For folders, the Explorer name of the folder must be specified. For groups, it is possible to select between the Explorer name of the group and the group number.
Parent type	Specifies whether the parent object under which the holders are to be created is a group or a folder. If you click in the table cell, you can quickly select the "Folder" or "Group" entries by using the small arrow symbol appearing on the right in the table cell.
Parent reference	Specifies how the parent object is to be referenced. Folders can only be referenced by the Explorer name, groups also by the group number. If you click in the table cell, you can quickly select the "Name" or "Number" entries by using the drop-down arrow appearing on the right in the table cell.
Zone	Specifies the zone in which the parent object is to be searched. All zones specified here must be subzones of the default zone.

8. Confirm your details with "Apply".



The zones, folders and groups specified in the holder zone mapping must be created in Infront Portfolio Manager or the user administration.

All zones must be specified in the user administration as subzones of the default zone. For more information about the user administration, see the administration manual.

8.1.7 "Database" tab



This tab only has Portfolio Sync interfaces that also import data from databases.

The "Database" tab is divided into subtabs: Connection, options and various (database) tables. To configure the connection of your Portfolio Sync Interface to the database, follow these steps:

1. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
2. Then switch to the "Database" tab.
3. Select or clear the checkboxes and select the required settings on the subordinate tabs.
4. Confirm your details with "Apply".

8.1.8 "Cloud Services" tab

On the "Cloud Services" tab, you define for "cloud-ready" interfaces whether the processing should be done via the Cloud Services.

Last change: n/a **User:** n/a

Retrieval Import Reconciliation Notifications **Cloud Services**

Use cloud services

Element	Description
Use Cloud Services	Select this checkbox to switch the interface to "Cloud Services". The checkbox is selected by default.

"Cloud-ready" interfaces are all interfaces created and available as web services. One example is the configurable "Infront interface". The switch is possible for this interface only.

In the future, all interfaces will be offered as web services, but the exact dates for the individual PSI transaction data are not yet known. To learn more, get in touch with our Customer Service.

In addition, see [Cloud services for PSI Transaction Data](#).

8.1.9 "Mass data processing" tab

The "Mass data processing" add-on helps you process large amounts of data.

If you have licensed the "Mass data processing" add-on, then make the following settings on this tab:

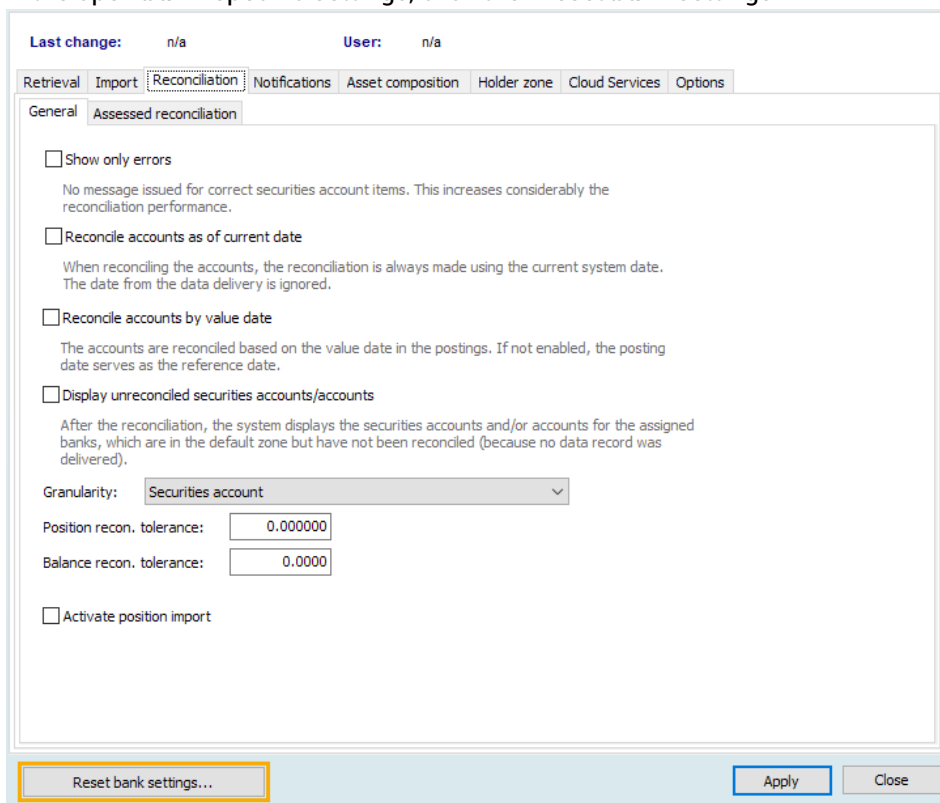
Element	Description
Bulk processing of database queries	Select this checkbox to switch the interface to bulk processing.

Element	Description
<p>Minimum cache settings</p>	<p>For the caches, the default setting is caching according to experience values. If you want to change the caching setting, then enable the relevant option. You can choose between the following (minimum) settings:</p> <ul style="list-style-type: none"> • No caching • Experience-based caching (default setting) • Caching of all query results (lazy/batchwise) • Complete loading of tables for queries (lazy/complete) • Complete loading of all tables before processing (eager)
<p>Caching from file size (in byte)</p>	<p>You can change the start value for the file size, if necessary. By default, caching is applied to files of 1000 bytes or more.</p>

8.1.10 Reset bank settings

If you want to discard the changes made and restore the default settings of this bank, follow these steps:

1. In the open bank-specific settings, click the "Reset bank settings..."



2. Confirm the subsequent prompt with "Yes".
3. The default settings of the bank are then restored.

8.1.11 Bank-specific supplements

Besides the basic settings, you select individual settings for each bank governing the bank-specific behaviour of the Portfolio Sync Interface.

For more information about the bank-specific settings, see the relevant supplementary documentation "PSI transaction data <Bank name>". By default, you can find these as a PDF file in the \help\manuals directory of Infront Portfolio Manager.

8.2 General settings

In the "General" section of the settings, you have the possibility to make global settings. You can also set priorities for valuation rates from several interfaces and configure default zones and export settings.

See also:

- [Global settings](#)
- [Valuation prices](#)
- [Zones](#)
- [Export settings](#)

8.2.1 Global settings

In this section of the general settings, you can make the following global configurations in detail:

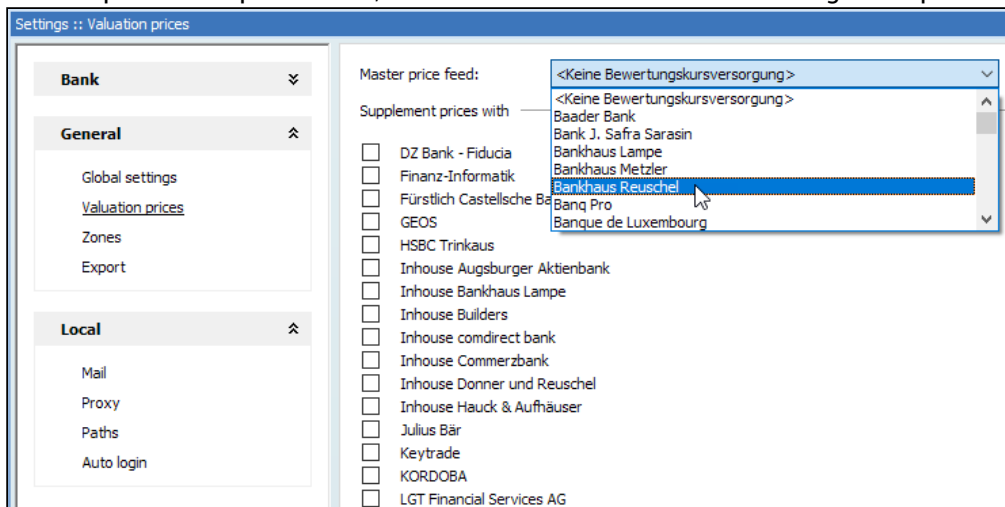
Field	Description
Display warning message for "Retrieve all"	Select this checkbox if you want a warning message to appear for all activated interfaces before the complete retrieval to prevent accidental large retrievals.
Use format recognition in the cloud	Select this checkbox to use the format recognition in the cloud.
Block size Import target market/profiling data:	Enter the maximum block size ("chunk size") in bytes for data import into the cloud services here.

8.2.2 Valuation prices

Particularly when using several interfaces, complications may arise with different valuation prices. In this area, define which PSI Transaction Data or which bank is to be prioritised during the price feed and which banks should be used to supplement the prices. To do this, follow these steps:

1. Click the "Valuation prices" entry in the "General" area of the "Settings" window.

- At the top of the drop-down list, select the bank that should be leading in the price feed.



- Below, in the list of the remaining PSI Transaction Data licensed to you, select those to be used for supplementing the valuation prices, where applicable.
- Confirm your details with "Apply".

8.2.3 Zones

Here, you manage for all licensed PSI Transaction Data the associated default zones and historical zones from the user administration of your Infront Portfolio Manager.

Here, you can also configure the scope of the securities accounts and accounts for the negative reconciliation.

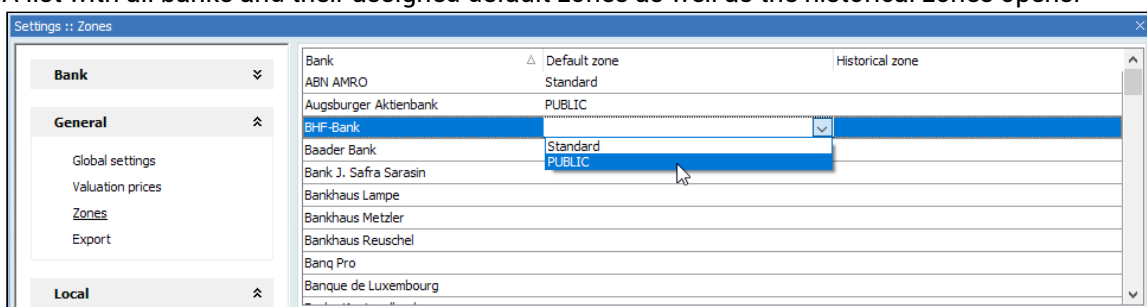
See also:

- [Administer zones](#)
- [Assign banks for negative reconciliation](#)

Administer zones

To manage the default zones and historical zones of the interfaces, follow these steps:

- In the "Settings" dialogue window, click the "Zones" link in the "General" section. A list with all banks and their assigned default zones as well as the historical zones opens.



- In the "Default zone" column, click the cell to be edited. You can then select the required zone from those created by using the drop-down list that appears. New master data is then created in this zone and existing master data is searched for in this zone and the associated subzones. Private zones are ignored by the PSI.

Objects in the assigned "historical zone" are not considered. It is used to save deactivated holders. Default zones and zones located under default zones cannot be selected as historical zones.

3. Confirm your details with "Apply".



If you are new to working with zones in particular and with the user administrator of your Infront Portfolio Manager in general, please contact your administrator or see User administration.

Assign banks for negative reconciliation

At the bottom, select which banks should be considered in the default zone during a negative reconciliation for the PSI Transaction Data selected above. Only accounts and securities accounts that are assigned to these banks are stated in the negative reconciliation.

To carry out this configuration, the following requirements must be fulfilled:

- In the bank-specific settings, the "Display non-reconciled securities accounts/accounts" checkbox must be enabled on the "Reconciliation", "General" tab.
- The interface must be assigned to a default zone.

If these requirements are fulfilled, you can proceed as follows for the negative reconciliation of the banks to be displayed:

1. Select the corresponding checkboxes in the "Enabled" column.

Augsburger Aktienbank						
Consider the following banks in the default zone when displaying non-reconciled accounts and securities accounts.						
Active	Bank name	BIC	Sort Code	Branch	Number of accou	Number of securi
<input checked="" type="checkbox"/>	SEB	MALADE1KLK	540 502 20	KL-105	0	0
<input type="checkbox"/>	keine Bank				1	2

2. Confirm your details by clicking the "Apply" button.

The icons on the right side provide the following configuration functions:

Icon	Description
	Selects all banks listed.
	Clears the current selection.
	Reverses the current selection.

Important information

- The function does not relate to the positive reconciliation.
- Reconciliation is only carried out via accounts and securities accounts in the assigned default zone.
- If the checkboxes in the "Enabled" column are all selected, the negative reconciliation runs as previously.
- The "Number of accounts" and "Number of securities accounts" columns indicate how many accounts and securities accounts of the relevant bank exist in the selected default zone.
- The "no bank" entry combines all accounts and securities accounts in the default zone for which no bank is specified in Infront Portfolio Manager.

8.2.4 Export settings

To make the export settings, follow these steps:

1. Select the "Export" in the "General" area of the "Settings" dialogue window.

2. Specify your settings here.
3. Then click the "Apply" button.

You have the following individual settings options:

Field	Description
Export path	<p>Enter here the default path to the folder in which you want to save the file to be exported.</p> <p>Click icon on the right next to the input field to open a dialogue window with which you can search a folder. If you do not enter a specific export path here, the files are saved in the folder of the open file.</p>
Anonymise export	<p>Select this checkbox to export an anonymised file. In this case, the exported file is given the addition ".anonymized" in its name.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Example</p> <p>"TestData.anonymized.zip"</p> </div>
Export to ZIP file	<p>Select this checkbox to export the file as a ZIP archive. In this case, you also have the option to give the ZIP file a password and thus protect it.</p>
Protect ZIP file with a password	<p>If you have selected the "Export to ZIP file" checkbox above, you can define a password for the ZIP file in the "Password" field that follows below by selecting this checkbox.</p>
Password	<p>If you have defined above that you want to export the files as password-protected ZIP files, enter here the required password for the ZIP file.</p>

Field	Description
Show/hide password	Select this button to display or hide the password entered to the left in the input field. Click the button again to go back to the display mode.

For more information on the export process, see [Export files](#).

8.3 Local settings

Configure the settings for your client's local Internet connection in the "Local" area at the bottom of the "Settings" window.

See also:


- [E-mail settings](#)
- [Proxy settings](#)
- [Paths](#)
- [Auto login](#)

8.3.1 E-mail settings

To configure your send options in the Portfolio Sync Interface, follow these steps:

1. Click the "Mail" in the "Local" area of the "Settings" window.
2. Enter the address of your SMTP server and the port.
3. Underneath, specify the associated SMTP user name and password.
4. In the "E-mail address" area at the bottom, enter the e-mail address (sender) from which the e-mails are to be sent and confirm by clicking the "Apply" button.

SMTP Server:	<input type="text" value="192.168.0.1"/>	e.g. 192.168.0.1
Port:	<input type="text" value="25"/>	e.g. 25
SMTP Username:	<input type="text" value="testuser"/>	e.g. mmuser
SMTP Password:	<input type="password" value="#####"/>	e.g. 45%vqx§
E-mail address:	<input type="text" value="testuser@test.com"/>	e.g. pmUser@strategie.de
<input type="button" value="Transfer settings"/>		

 Your PSI sends messages, log- and user-defined status mails via these settings. Please contact your system administrator should you have any questions regarding your SMTP server.

8.3.2 Proxy settings

If you connect to the internet through a proxy, then configure it in the "Proxy" area. In this case, your Portfolio Sync Interface requires these details to use this log for retrievals and software updates.

See also:

- [Configure and use proxy](#)
- [Use system proxy](#)

Configure and use proxy

To configure proxy in the settings, follow these steps:

1. Select the "Proxy" entry in the "Local" area in the settings.
2. Select the "Use system proxy server for retrieval" checkbox.

3. Enter the IP address of your proxy and the port.
4. Below, enter the associated user name and password.
5. Select the type of the SFTP connection. You can select from the following connection types:
 - SOCKS4
 - SOCKS5
 - HTTP
6. Confirm your details with "Apply".




Click the "Transfer settings" button to assign the configuration to certain users.

Use system proxy

If you configure a Windows system proxy, you can use it. To do this, follow these steps:

1. Select the "Proxy" entry in the "Local" area in the settings.
2. Select the "Use system proxy server for retrieval" checkbox.





3. Click the "Update" button to set the IP address and the port of your system proxy.
4. Below, enter the associated user name and password.
5. Select the type of the SFTP connection for the system proxy. You can select from the following connection types:
 - SOCKS4
 - SOCKS5
 - HTTP
6. Confirm your details with "Apply".

 Click the "Transfer settings" button to assign the configuration to certain users.

8.3.3 Paths

You can define the paths for archiving files in the local settings.

1. Click the "Paths" entry in the "Local" area of the "Settings" window.
2. Enter the paths in the corresponding input fields or search directories and folders by clicking the corresponding icon to the right.

Default import path:	<input style="width: 90%;" type="text"/>	
Log path:	<input style="width: 90%;" type="text"/>	
Archive path:	<input style="width: 90%;" type="text"/>	
GPG path:	<input style="width: 90%;" type="text"/>	

3. Then confirm your details with "Apply".

You may enter the following individual paths:

Path	Meaning
Default import path	Path for the default archiving directory of the files to be imported.
Log path	Path for archiving the log files.
Archive path	Path for archiving the archive file.
GPG path	The path to the gpg.exe file (only necessary if the file does not exist in the system directory).

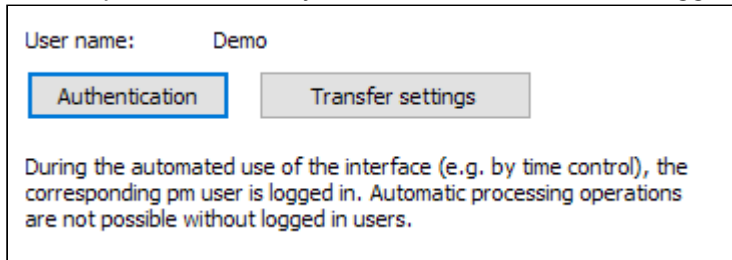
8.3.4 Auto login

In the local settings, you can archive a user who is "automatically logged in" for automatic jobs. In this way, you can avoid that any tasks to be performed (for example, via time control) have to wait for a Infront Portfolio Manager user to log in.

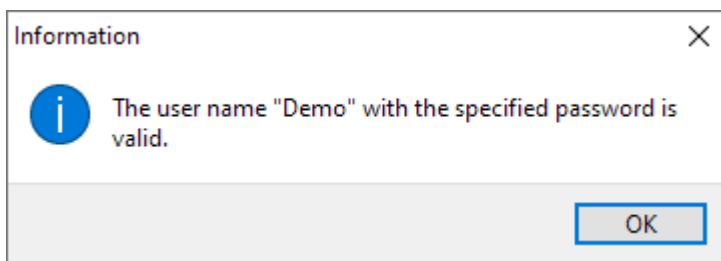
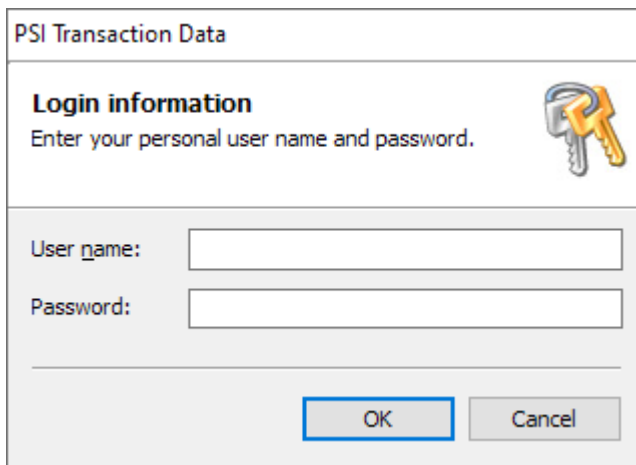
To configure the auto login:

1. Start PSI, if necessary.
2. Select EDIT, SETTINGS... in the main menu.


3. Click the "Auto login" entry in the "Local" area of the "Settings" window.
4. At the top of the window, you see the user name of the logged in user.



5. By clicking the "Authentication button", you can check the login data of the currently logged in user and authenticate the user by entering the user name and password in the login dialogue window and confirm them with "OK".



6. After you completed the authentication, close the information window with the result by clicking "OK".
7. Then confirm your settings with "Apply".

 In cases where the time control does not run on the server but on the local workstation, the time control must run under the Windows user that the PSI user uses to log in to Windows.

Transfer settings

You can transfer the settings for the auto login also to other users. To do this, follow these steps:

1. In the "Auto login" area, click the "Transfer settings" button.
2. In the "Transfer settings" dialogue window that appears, enter the computer name\windows login name in the given format.

3. Confirm your input by clicking "OK".
Thus, the saved settings also apply for other users.

9 Run PSI tasks via Portfolio Manager Server

The Portfolio Manager Server supports automatic execution of tasks via jobs. Learn in this section how easy it is to configure them.

See also:

- [Run PSI tasks as jobs via Portfolio Manager Server](#)
- [Run PSI tasks manually via Portfolio Manager Server](#)

9.1 Run PSI tasks as jobs via Portfolio Manager Server

You can carry out retrievals as well as error buffer imports as automatic jobs by using the Portfolio Manager Server. The settings from PSI Transaction Data are applied for the retrieval.



Exception:

If the "Import after retrieval" and/or the "Reconciliation after retrieval" checkboxes in the settings of the bank is/are cleared, then this is also ignored. These tasks are always carried out via the Portfolio Manager Server.

The import is usually distributed over several server instances.

See also:

- [Configure jobs in Infront Portfolio Manager](#)
- [Settings of the server configuration tool](#)

9.1.1 Configure jobs in Infront Portfolio Manager

There are two corresponding job types for the job configuration in Infront Portfolio Manager.

- PSI Transaction Data retrieval
- PSI Transaction Data error buffer import



The "PSI Transaction Data retrieval" job type is now available if at least one corresponding PSI Transaction Data is activated. To use the "PSI Transaction Data error buffer import" job type, the "Error buffer" add-on must also be activated for at least one interface.

After creating or selecting a job of the "PSI Transaction Data retrieval" type and specifying the corresponding general settings, switch to the "Additional settings" subtab to select the required bank details for the job in the drop-down list.



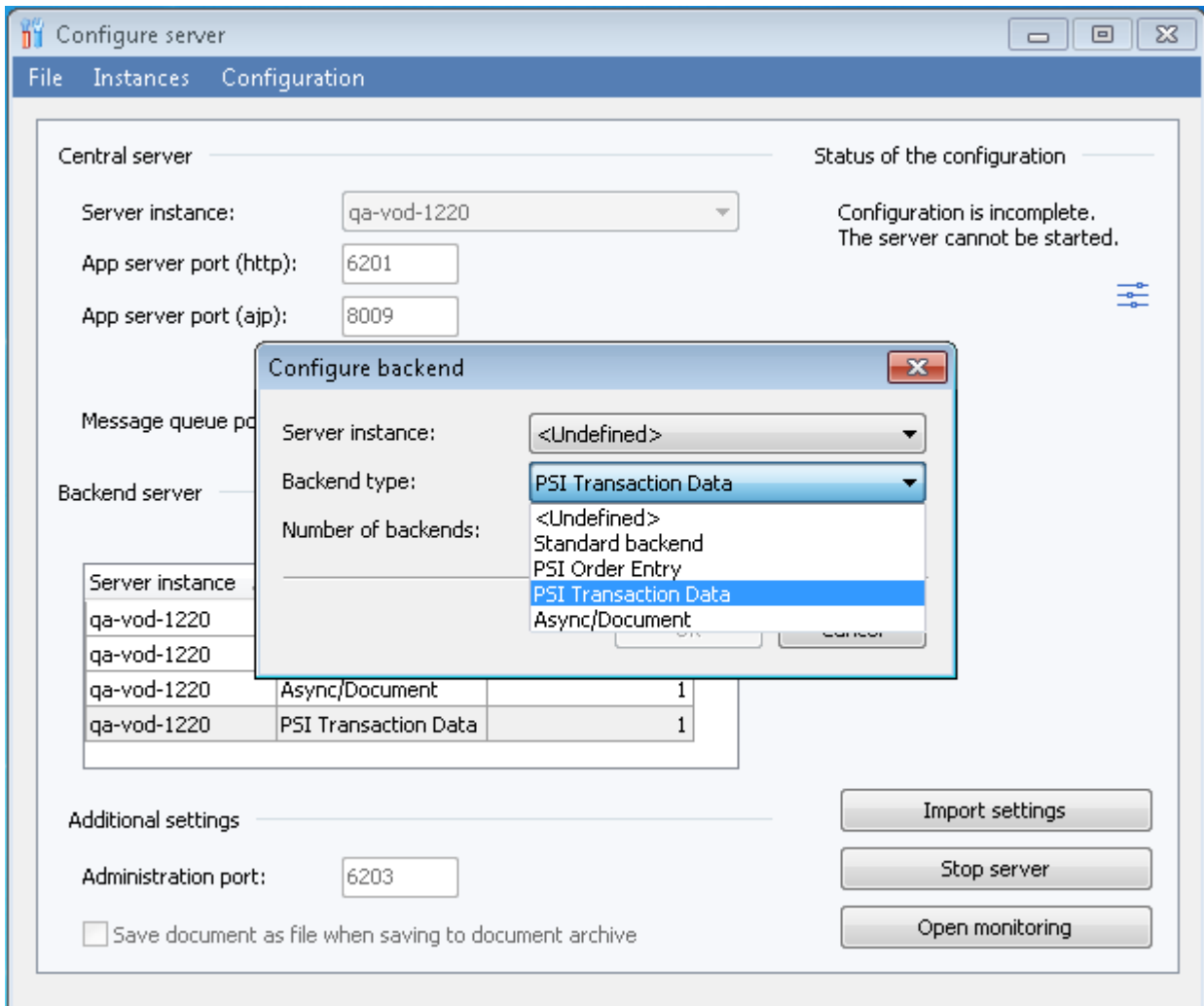
You can configure the retrieval via Portfolio Manager Server server only for banks whose retrieval is possible without manual input (such as the entry of a PIN during the retrieval).

For jobs of the "PSI Transaction Data error buffer import" type, no further job-specific settings are necessary. Here, the "Reimport all" function is run.

For more information about job configuration, see Jobs.

9.1.2 Settings of the server configuration tool

In the configuration, you find the "PSI Transaction Data" back end type.



PSI Transaction Data backends are required if you need "PSI Transaction Data retrieval" and "PSI Transaction Data error buffer import".

For more information about configuring the server, see Server configuration tool in the Administration Manual of Infront Portfolio Manager.

In the Administration Manual, you also find a simple example for configuring the Portfolio Manager Server.

9.2 Run PSI tasks manually via Portfolio Manager Server

If the requirements described in [Settings of the server configuration tool](#) are satisfied, then you can also start individual imports and reconciliation from PSI Transaction Data via the Portfolio Manager Server.

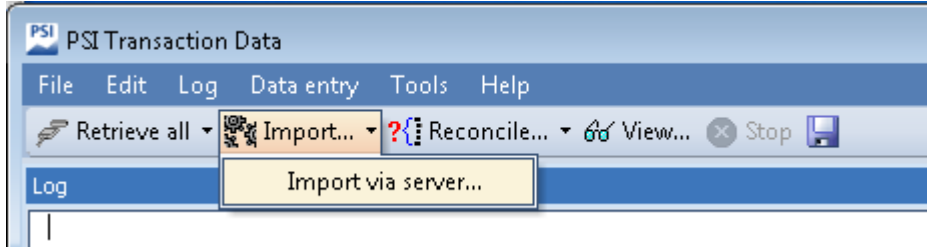
See also:

- [Import files via the Portfolio Manager Server](#)
- [Reconcile files via the Portfolio Manager Server](#)

9.2.1 Import files via the Portfolio Manager Server

To use Portfolio Manager Server for the import, follow these steps:

1. Click the drop-down arrow to open the menu of the "Import" button.
2. In the menu, select IMPORT VIA SERVER...



3. In the following "Import..." dialogue window, select the file to be imported and then click the "Open" button.
The job is run via Portfolio Manager Server.

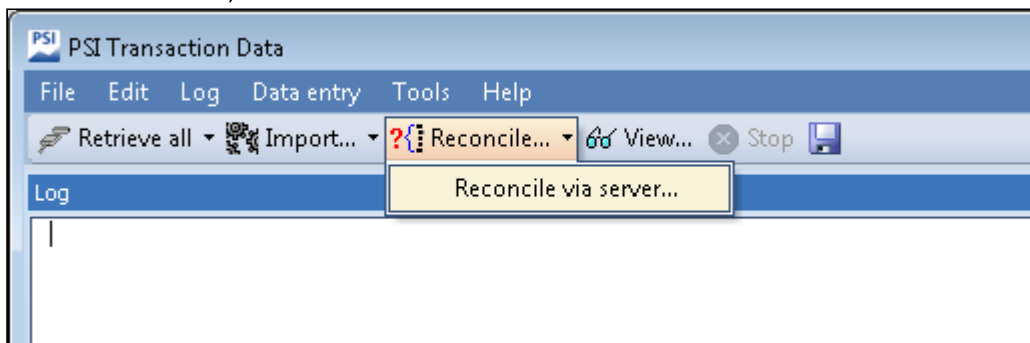


Alternatively, you find the IMPORT VIA SERVER... command in the FILE, IMPORT menu.

9.2.2 Reconcile files via the Portfolio Manager Server

To use Portfolio Manager Server for the reconciliation, follow these steps:

1. Click the drop-down arrow to open the menu of the "Import" button.
2. In the button menu, select RECONCILE VIA SERVER...



3. In the "Reconcile..." dialogue window that appears, select the provided file and then click the "Open" button.
The job is run via the Portfolio Manager Server server.



Alternatively, you find the RECONCILE VIA SERVER... command in the FILE, RECONCILE main menu.

10 Time-controlled data retrieval

Your Infront Portfolio Manager provides you with a time control tool. You can also use this for the transaction data imports of the Portfolio Sync Interfaces.



Use the [Auto login](#) described above to carry out time-controlled tasks at any time without manually logging into Infront Portfolio Manager.

See also:

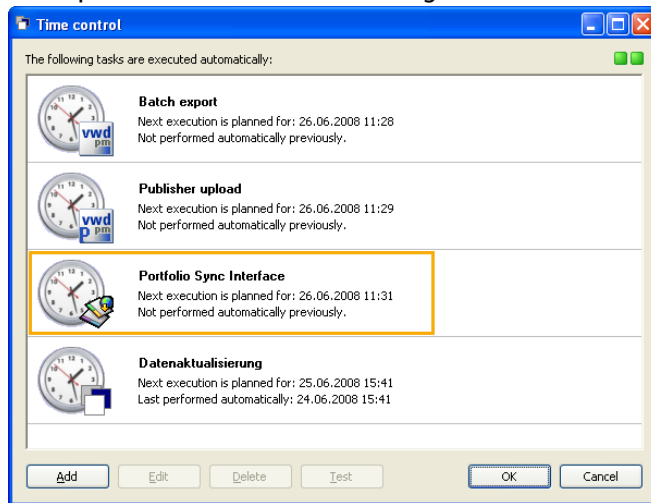
- [Setting time control](#)
- [Edit time-controlled tasks](#)
- [Delete time-controlled tasks](#)

10.1 Setting time control

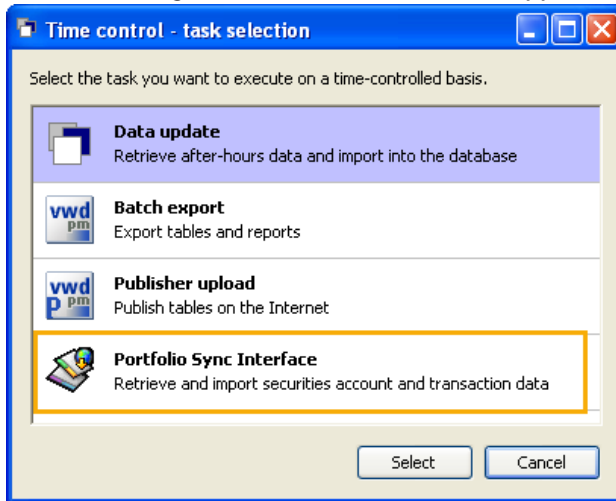
To enable time control, follow these steps:

1. From the Windows Start menu, select the command <Set up time control>.
2. In the log-in dialogue window that appears, enter your user name and password and confirm with "OK".

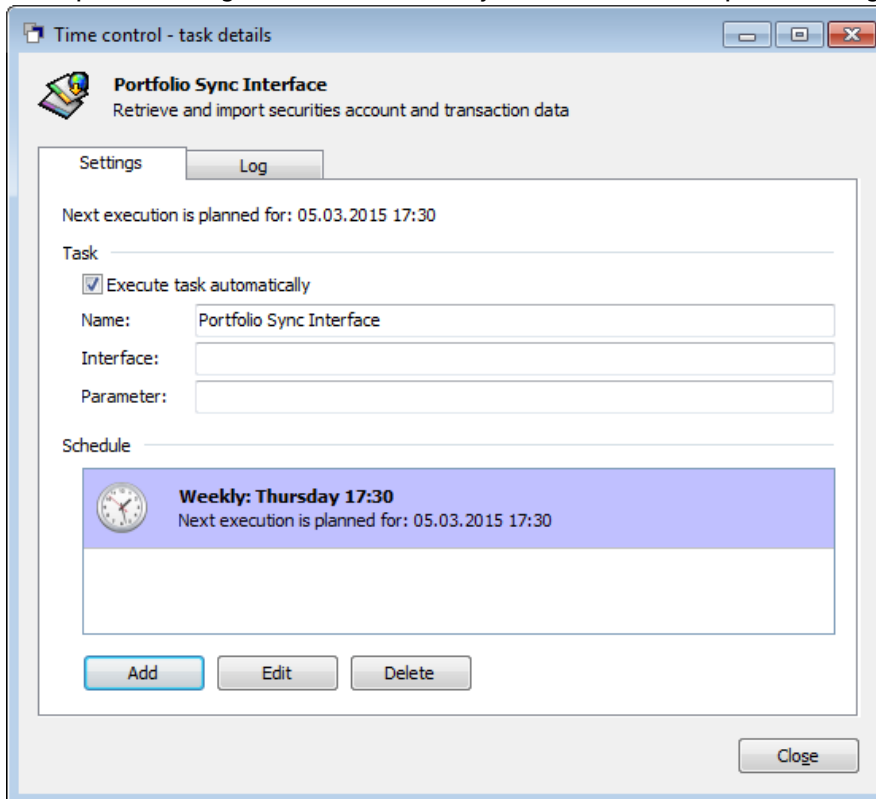
This opens the "Time control" dialogue window.



- Click the "Add" button here to add a time-controlled task. The next dialogue window for time control appears.



- Select the "Portfolio Sync Interface" task and then clicking the "Select" button. This opens a dialogue window, in which you can enter the required settings for the task.

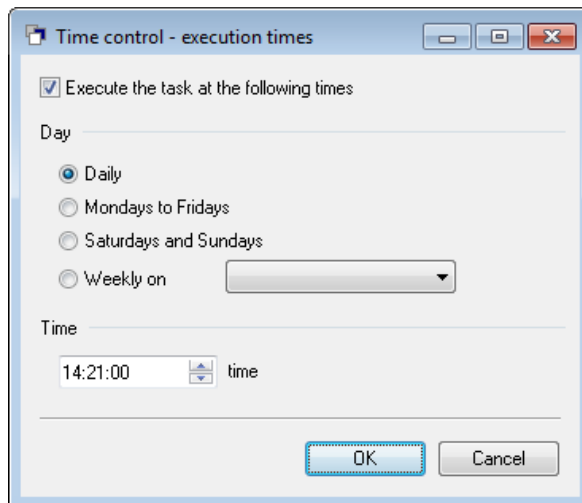


- Provided the respective PSI supports automatic retrieval, you can specify the PSI and set various parameters in the "Interface" and "Parameters" input fields. The following individual settings are possible:

Input field	Input parameter
Name	Assign here an individual name for this time-controlled task.

Input field	Input parameter
Interface	<p>This is where you can enter the codes for the PSI supporting automatic retrieval: For example:</p> <ul style="list-style-type: none"> • AAB (Augsburger Aktienbank) • BAADER (Baader Bank) • BANQPRO (Banq Pro) • BDL (Banque de Luxembourg) • BETAX (Betax Systems) • BETHMANN (Bethmann Bank) • BKB (Basler Kantonalbank) • COBA (Commerzbank) • COMMERZBANK (Commerzbank) • CONSORSBANK_PPCI (Conyorsbank PPCI) • CREDITSUISSE (Credit Suisse) • CS (Credit Suisse) • DAB (DAB bank) • DB (Deutsche Bank) • DZ (DZ BANK/Fiducia) • DZ_PRIVATBANK_LU (DZ Privatbank Luxembourg) • DZGAD (DZ BANK – GAD) • EBASE (ebase) • FI (Finanz Informatik) • HVB_DE (HypoVereinsbank Deutschland) • JB (Julius Bär) • LGT (LGT Financial Services AG) • LODHCH (Bank Lombard Odier & Co) • MERCK_FINCK (Merck Finck & Co) • METZLER (Bankhaus Metzler) • MMASCI (MMASCI) • MMWARBURG (M. M. Warburg) • PICTET (Pictet) • SGKB (Sankt Galler Kantonalbank) • SWIFTALLIANCE2 (SWIFT Alliance) • UBP (Union Bancaire Privée) • UBSAL (UBS Asset Link) • VBANK (V-Bank) • VPBCH (VP Bank Vaduz) • VONTOBEL (Vontobel)
Parameter	<p>Use this input field to enter parameters for custom configuration of the retrieval. If you require an individual solution, please contact the Customer Service.</p>

- Click the "Add" button to add a new task.



- In the time control dialogue window, enter the exact times for implementing the task and confirm with "OK".
- This brings you back to the previous dialogue window where you can see the schedule on the "Settings" tab and assign a name for the task in the "Name" input field. The "Run task automatically" checkbox is selected. By disabling at a later stage, you can let this task "rest" and enable it again at any time.
- The "Log" tab depicts all of the time-controlled events with their respective times, enabling you to track them if necessary. Use the "Delete log" button to clean up the list.
- Leave this dialogue window with "Close" and close the time control window by clicking "OK".



Alternatively, you can discontinue the time control via the "Data feed" function in your Infront Portfolio Manager. To do this, select the command <Data feed> in the Windows Start menu and then the entry "Set up time control" in the "Data feed" dialogue window that appears. The subsequent steps are then the same as those described here.

10.2 Edit time-controlled tasks

You can edit tasks assigned to time control at any time. To do this, follow these steps:

- From the Windows start menu, select the command <Set up time control>. This opens the "Time control" dialogue window.
- Select the task to be edited, and then click the "Edit" button.
- In the next dialogue window, select the task to be edited in the schedule, and then click the "Edit" button. The dialogue window with the settings options is presented in the previous section, "Set up time control". Confirm your changes with "Close".
- After editing, close the time control with the "OK" button.

10.3 Delete time-controlled tasks

You can delete tasks assigned to time control at any time. To do this, follow these steps:

- From the Windows start menu, select the command <Set up time control>. This opens the "Time control" dialogue window.

2. Select the task to be deleted and then click the "Delete" button.
3. Confirm the delete command and close the "Time control" dialogue window.
The task is deleted.

11 Features and add-ons

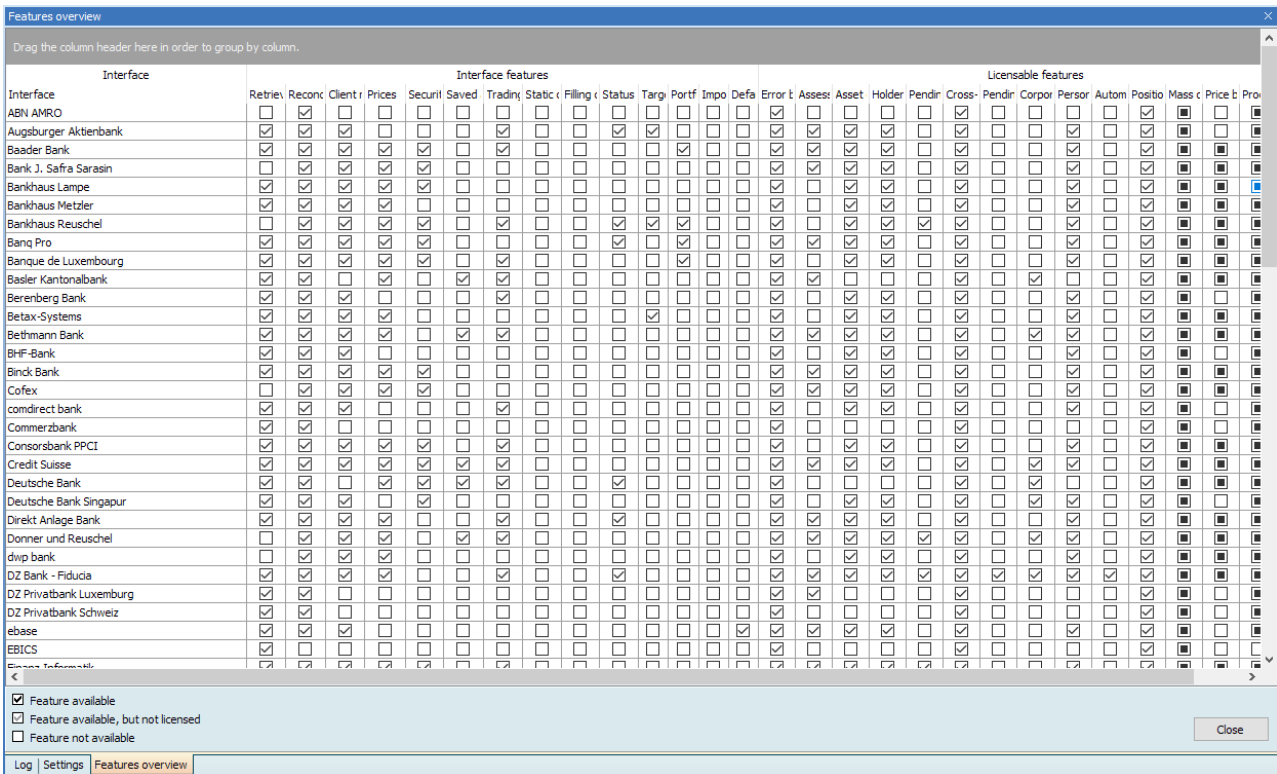
This section provides an overview of the additional features of the Portfolio Sync interface that can be licensed.

See also:

- [Features overview](#)
- [Licensable features](#)
- [Other features](#)

11.1 Features overview

Select **HELP, FEATURES OVERVIEW** in the main menu to see which features and add-ons are available for all activated interfaces.



The features are broken down into "Interface features" and "Licensable features" (examples: "Asset composition" add-on or "Pending cash balances" add-on).

Features with selected checkboxes are available and activated; dimmed checkboxes indicate features that are available for the interface but not currently licensed. Cleared checkboxes indicates features that are not available for the interface.

To group by columns, drag and drop the column heading to the area directly above the table.

Close the overview with "Close".

11.2 Licensable features

In particular, you can license the following add-ons (depending on the availability for the corresponding interface):

- [Activities](#)
- [Automatic change to default settlement account](#)
- [Automatic adjustment postings](#)
- [New feature "Automatic generation of custodian fee postings"](#)
- [Assessed reconciliation \(Market value reconciliation\)](#)
- [Error buffer](#)
- [Ignore securities account reconciliations](#)
- [Holder zone mapping](#)
- [Cross-holder securities account transfer](#)
- [Corporate actions](#)
- [Price blacklist](#)
- [Mass data processing](#)
- [Person management](#)
- [Position import](#)
- [Pending cash balances](#)
- [Pending accrued interest](#)
- [Asset composition](#)
- [Ignore securities movement](#)

11.2.1 Activities

If in addition to Infront Portfolio Manager, you use Infront Advisory Solution and have the licensed "Infront Advisory Solution advisory process" module, then with the "Activities" add-on you can use the "Person", "Person link" and "Prospect" objects via PSI Transaction Data.



Contact our Customer Service of Infront Financial Technology GmbH to learn more about Infront Advisory Solution.

11.2.2 Automatic change to default settlement account

If this feature is enabled for a securities account, then the account of an order is automatically replaced by the default settlement account.

See also ["Automatic change to default settlement account" tab](#).

11.2.3 Automatic execution price correction

With this feature, the execution buy price for fund amount orders (for example, for fund savings plans) can be automatically corrected if the deviation of calculated and delivered cash flows is above the default tolerance level of PSI but below the definable acceptable threshold.

This feature must currently be explicitly activated for an interface if required.

11.2.4 Automatic adjustment postings

With the "Automatic adjustment postings" add-on, clearing entries can now be defined and triggered automatically based on the two criteria BIC and account number/IBAN. This takes place in two stages:

1. There is a table in the interface settings in which the BIC can be entered and in which it is also defined whether the BIC posting receives a clearing entry or not.
2. There is another table in the interface settings in which the account number/IBAN can be entered and in which it is also defined whether the posting of the account number/IBAN receives a clearing entry or not.

The two criteria are linked by OR logic.

Example

Criterion I: "100", adjustment posting: "Yes" ("Allow")

Criterion II: "_intern", adjustment posting: "No" ("Blocking")

The filter settings above always have priority, and the BIC filters always take effect first. Within the tables, you can change the order of the entries using the arrow icons.

If you licensed and activated the add-on, you can enable or disable the automatic adjustment postings during the import in the bank-specific settings ("Import" tab, "Transaction data", "Adjustment postings" tab).

For more information, see ["Transaction data" tab](#).

11.2.5 New feature "Automatic generation of custodian fee postings"

The add-on "Automatic generation of custodian fee postings" allows you to generate automatic custodian fee postings to clear differences during account balancing. The feature checks whether the total of the individual custodian fee postings differs from the cash flow and, in these cases, generates an automatic posting for the amount of the difference with the comment "Account balancing custodian fee (diff)".

On the "Options" tab in the bank-specific settings, in the "Consider postings" section (if license is activated), you will find the "Automatic generation of custodian fee postings" checkbox, which you can use to activate the feature.

11.2.6 Assessed reconciliation

In addition to the "classic reconciliation", you also have the option - if your product key is activated accordingly - to carry out an assessed reconciliation. For positions, this reconciliation considers market values and accrued interest. For account balances, it considers the accrued interest. For example, you can thus ensure that a current valuation price is saved for self-administered securities or the interest rate and the interest calculation method is correct for interest-bearing accounts and term deposits.



Select **HELP, FEATURES OVERVIEW** in the main menu of your PSI to see for which Portfolio Sync Interfaces this add-on is currently available.

See also:

- [Enable assessed reconciliation](#)
- [Assessed file reconciliation](#)
- [Result of the assessed reconciliation](#)

Enable assessed reconciliation

The "assessed reconciliation" function can be enabled and disabled via the settings. To enable the function, follow these steps:

1. Select **EDIT, SETTINGS...** in the main menu.
2. In the "Bank" area on the left of the "Settings" window, click the corresponding bank.
3. Then switch to the "Reconciliation" tab and then to the "Assessed reconciliation" tab.

4. Here, select the "Run assessed reconciliation" checkbox.

The screenshot shows a web interface for 'Assessed reconciliation'. At the top, it displays 'Last change: 29-Dec-20 2:08:44 PM' and 'User: Demo'. Below this are several tabs: 'Retrieval', 'Import', 'Reconciliation' (which is active and highlighted with a dashed border), 'Notifications', 'Asset composition', 'Holder zone', 'Cloud Services', and 'Options'. Under the 'Reconciliation' tab, there are sub-tabs for 'General' and 'Assessed reconciliation'. The 'Assessed reconciliation' sub-tab is selected. In this sub-tab, the checkbox 'Run assessed reconciliation' is checked. Below this, there is a dropdown menu for 'Price type for valuation' set to 'Use Market Data Pool prices only'. There are two rows of input fields for tolerance values: 'Market value tolerance' and 'Accrued interest tolerance'. Each row has a percentage input field (both set to 0.0000), an 'absolute Max' input field (both set to 0.0000), and an 'Absolute Min' input field (both set to 0.0000). At the bottom of the form, there is a note: 'A reconciliation error is displayed if the amount of the deviation exceeds at least the value in "Absolute Min" and either the percentage tolerance or the "Absolute Max" amount is exceeded in addition.'

5. Below, enter the required price types for the valuation and the required percentage tolerance values for market values and accrued interest.
6. Save the settings with the "Apply" button.
Proceed in the same way to disable the function.
For more information, see ["Assessed reconciliation"](#).

Assessed file reconciliation

The workflow of the assessed reconciliation is the same as for the classic reconciliation.

For more information, see [Reconcile files](#).

Result of the assessed reconciliation

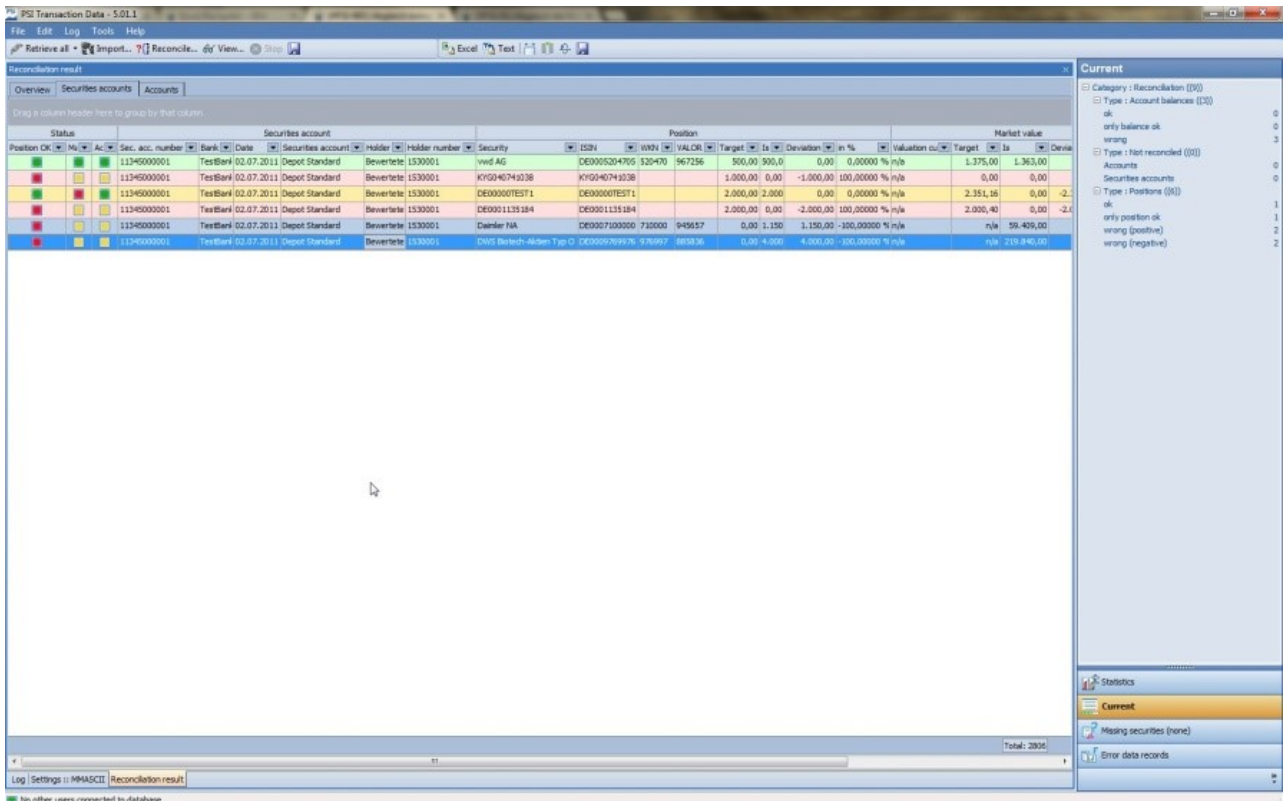
Compared to the "classic reconciliation", the results are more detailed for the assessed reconciliation.

The figure shows the result of an assessed reconciliation. The yellow bars show that the positions or balances are correct, but market values or accrued interest differ.

See also:

- [Result of the assessed reconciliation: Positions](#)
- [Result of the assessed reconciliation: Balances](#)

Result of the assessed reconciliation: Positions



From the result of the assessed reconciliation on the "Securities account" tab, you can find the following further information compared to the classic reconciliation:

Column	Meaning
Market value OK	The icon of this column indicates the status of the market values: The market values of the positions are okay. No target amounts delivered for the market values. The market values of the positions differ.
Accrued interest OK	The icon of this column shows the status of the accrued interest: The accrued interest of the positions is okay. No target amounts delivered for the accrued interest. The accrued interest of the positions differs.
Market value - target	Target positions of the market values.
Market value actual	Actual positions of the market values from the database.
Market value deviation	Absolute deviation between target and actual positions of the market values.
Market value in %	Percentage deviation between target and actual positions of the market values.

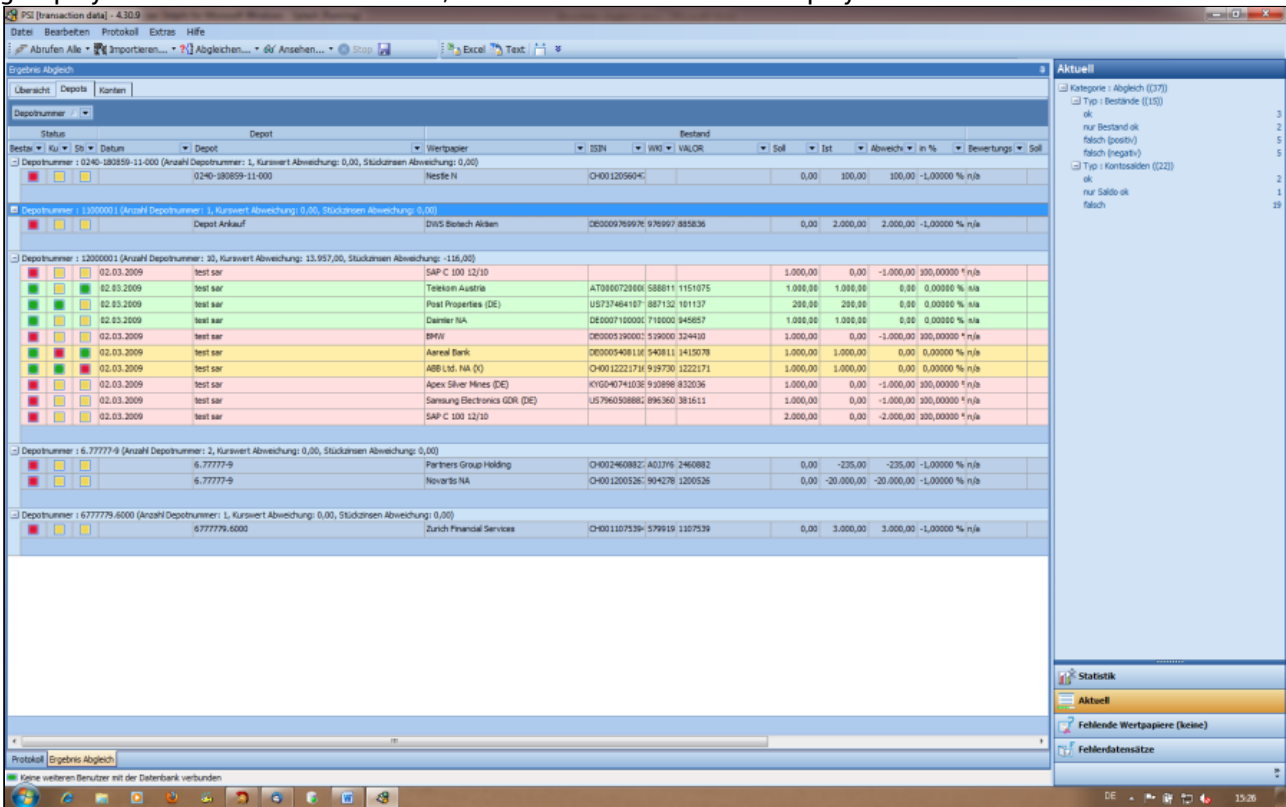
Column	Meaning
Accrued interest Target	Target positions of the accrued interest.
Accrued interest Actual	Actual positions of the accrued interest from the database.
Accrued interest Deviation	Absolute deviation between target and actual positions of the accrued interest.
Accrued interest in %	Percentage deviation between target and actual position of the accrued interest.

mer	Datum	Depot	Wertpapier	ISIN	WKN	VALGR	Soll	Ist	Abweichung	in %	Soll	Ist	Abweichung	in %	Soll	Ist	Abweichung	in %
	02.03.2009	lest sar	SAP C 300 12/10			1.000,00	0,00	-1.000,00	300,00000 %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00000 %
	02.03.2009	lest sar	Telekom Austria	AT0000720000	588011	1151075	1.000,00	1.000,00	0,00	0,00000 %	n/a	10.040,00	n/a	n/a	0,00	0,00	0,00	0,00000 %
	02.03.2009	lest sar	Post Properties (DE)	US7374641071	087132	101137	200,00	200,00	0,00	0,00000 %	0,00	1.512,00	1.512,00	-1,00000 %	n/a	0,00	n/a	n/a
	02.03.2009	lest sar	Daimler NA	DE0007100000	710000	845657	1.000,00	1.000,00	0,00	0,00000 %	n/a	17.450,00	n/a	n/a	n/a	0,00	n/a	n/a
	02.03.2009	lest sar	BMW	DE0005190003	519000	324430	1.000,00	0,00	-1.000,00	300,00000 %	3,00	0,00	-3,00	100,00000 %	4,00	0,00	-4,00	100,00000 %
	02.03.2009	lest sar	Aareal Bank	DE0005408116	540811	1415078	1.000,00	1.000,00	0,00	0,00000 %	5,00	3.700,00	3.695,00	73,90000 %	0,00	0,00	0,00	0,00000 %
	02.03.2009	lest sar	ABB Ltd. NA (D)	CH0012221716	929730	1222171	1.000,00	1.000,00	0,00	0,00000 %	0,00	8.860,00	8.860,00	-1,00000 %	6,00	0,00	-6,00	100,00000 %
	02.03.2009	lest sar	Apex Silver Mines (DE)	XY0040741038	920898	832036	1.000,00	0,00	-1.000,00	300,00000 %	n/a	0,00	n/a	n/a	7,00	0,00	-7,00	100,00000 %
	02.03.2009	lest sar	Samsung Electronics GDR (DE)	US7960938882	896360	381611	1.000,00	0,00	-1.000,00	300,00000 %	8,00	0,00	-8,00	100,00000 %	n/a	0,00	n/a	n/a
	02.03.2009	lest sar	SAP C 300 12/10			2.000,00	0,00	-2.000,00	300,00000 %	99,00	0,00	-99,00	100,00000 %	99,00	0,00	-99,00	100,00000 %	
99-11-000	0240-180859-11-000		Nestle-N	CH0012056047		0,00	100,00	100,00	-1,00000 %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00000 %
000	677779-6000		Zurich Financial Services	CH0011075394	579919	1107539	0,00	3.000,00	3.000,00	-1,00000 %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00000 %
	6.77777-9		Partners Group Holding	CH0024608827	A01J76	2460882	0,00	-235,00	-235,00	-1,00000 %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00000 %
	6.77777-9		Novartis NA	CH0012005267	904278	1200526	0,00	-20.000,00	-20.000,00	-1,00000 %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00000 %
		Depot-Ankauf	DWS Botech Aktien	DE0000769976	976997	889836	0,00	2.000,00	2.000,00	-1,00000 %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00000 %

Regardless of whether a target position is delivered, your PSI determines an actual value from the database and calculates the deviation. If no target value is transmitted, the column entries of "Target", "Deviation" and "In %" are set to "n/a".

You can find the total amounts of the deviations for market values and accrued interest at the bottom of the table. Values that are not set ("n/a") are calculated as zero. Use the "Grouping" function, for example, to

group by securities account numbers, to have the total deviation displayed for a securities account number.



Explanation of the colours in the table:

Colour	Meaning
Red	Position incorrect
Yellow	Only position correct
Green	All values correct

In detail:

Position	Market value	Accrued interest	Result
1	1	1	Green
1	-	1	Green
1	1	-	Green
1	-	-	Green
1	0	0	Yellow

Position	Market value	Accrued interest	Result
1	0	1	Yellow
1	1	0	Yellow
1	-	0	Yellow
1	0	-	Yellow
0	0/1/-	0/1/-	Red

The following applies:

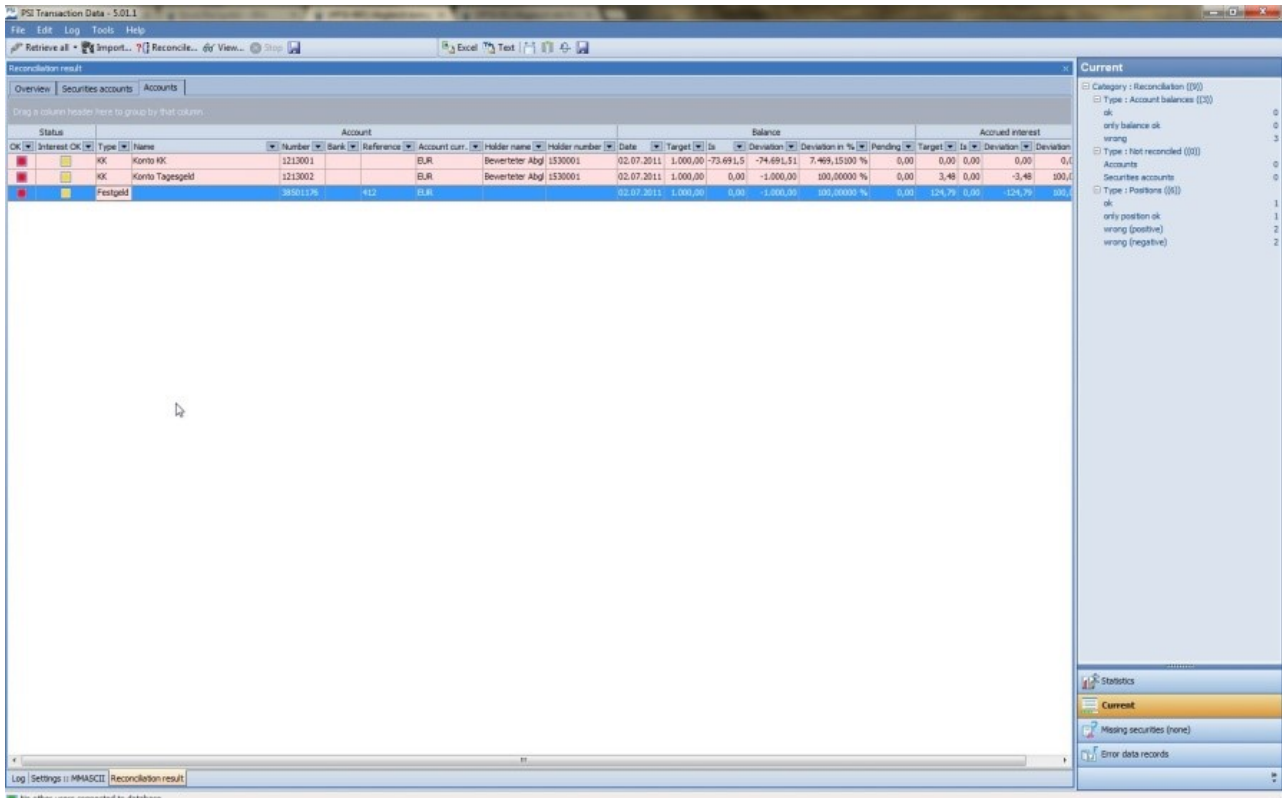
Value in the top table	Meaning
1	Target and actual values match
0	Target and actual values do not match
-	Target not specified

Result of the assessed reconciliation: Balances

An assessed reconciliation is also carried out for balances if this is enabled.

From the result of the assessed reconciliation on the "Accounts" tab, you can find the following further information compared to the classic reconciliation:

Column	Meaning
Interest OK	The icon of this column indicates the status of the interest: <ul style="list-style-type: none"> ■ The interest of the balances is okay. ■ No target amounts delivered for the interest. ■ The interest of the balances differ.
Accrued interest Target	Target balance of the accrued interest.
Accrued interest Actual	Actual positions of the accrued interest from the database.
Accrued interest Deviation	Absolute deviation between target and actual positions of the accrued interest.
Accrued interest Deviation in %	Percentage deviation between target and actual positions of the accrued interest.



Regardless of whether a target position is delivered, your PSI determines an actual value from the database and calculates the deviation. If no target value is transmitted, the column entries of "Target", "Deviation" and "Deviation in %" are set to "n/a".

You can find the total amounts of the deviations for the accrued interest in the table. Values that are not set ("n/a") are calculated as zero. You can group, for example by account numbers, to obtain the total deviation of the interest displayed for an account.

Explanation of the colours in the table:

Colour	Meaning
Red	Balance incorrect
Yellow	Only balance correct
Green	All values correct

In detail:


Balance	Accrued interest	Result
1	1	Green
1	0	Yellow

Balance	Accrued interest	Result
1	-	Green
0	0/1/-	Red

The following applies:

Value in the top table	Meaning
1	Target and actual values match
0	Target and actual values do not match
-	Target not specified

11.2.7 Error buffer


 This add-on is not available or cannot be activated for all interfaces. If necessary, obtain information from the [Customer Service](#).

The (editable) error buffer is used for the central management of all error data records that occur while importing via the PSI Transaction Data. The error buffer can be viewed from every workstation with PSI Transaction Data. The relevant errors state an error number and the timestamp of the occurrence and can be reimported from the error buffer individually or together. Furthermore, it is possible for transaction data (postings, orders, income, historical average purchase prices) to change individual values before importing or to delete data records from the error buffer.

Thanks to the possibility of correcting the error after the fact by using the editable error buffer, it is not necessary to reimport already imported files. This increases the efficiency of the subsequent processing of a PSI Transaction Data import.

For more information, see [Error codes in PSI](#).

In the bank-specific settings of the corresponding PSI, select this function on the "Import" tab, "Error buffer" tab.

 You can also carry out the error buffer imports as jobs via the Portfolio Manager Server. For more information, see the chapter [Run PSI tasks via the pm server](#).

11.2.8 Ignore securities account reconciliations

If this feature is activated for a securities account, securities positions are ignored during the securities account reconciliation.

See also "[Ignore securities account reconciliations](#)" tab.

11.2.9 Cross-holder securities account transfer

With the "Cross-holder securities account transfers" add-on, you can carry out transfers between holders while keeping the purchase prices.

If you licensed and activated the add-on, you can enable or disable the automatic transfer during the import in the bank-specific settings ("Import" tab, "Transaction data" tab).

If this feature is enabled, transactions imported into a securities account but to be settled on an account of another holder are first posted to an account of the securities account holder and then automatically transferred to the specified (target) account.

For more information, see ["Transaction data" tab](#).

11.2.10 Holder zone mapping

Holder zone mapping is a licensed add-on that is not included in the default scope of Portfolio Sync Interface. Enable the holder zone mapping to automatically create new holders in certain zones.

You can freely configure criteria for this. A possible and practical configuration is that holders are moved in accordance with their assigned advisors.

Configure the holder zone mapping in the bank-specific settings. For more information on the configuration, see the section ["Holder zone" tab](#).

11.2.11 Corporate actions

The "Corporate actions" add-on is available for banks only and adds automatic posting of certain corporate actions to the function scope. This includes, for example:

- Delivery, sale and exercise of subscription rights
- Splits and reverse splits
- Spin-off
- Dividend option
- Capital increase and reduction

11.2.12 Price blacklist

The "Price blacklist" add-on allows you to list securities (ISINs) whose prices are to be ignored when imported by the interface.

If you have subscribed to the "Price blacklist" feature, you can maintain your price blacklist in the settings of the respective PSI Transaction Data on the "Import" tab, "Price data", "Price blacklist".

To configure orders without securities side, follow these steps:

1. In the bank-specific settings, switch to the "Import", "Transaction data", "Orders without securities side" tab.
2. Select the "Enable blacklist for given prices" checkbox.
3. Add the corresponding ISINs to the list.
4. Confirm the configuration with the "Apply" button.
The prices of the securities listed here will then be ignored during the import.

11.2.13 Mass data processing

The "Mass data processing" add-on supports processing of large amounts of data.

In the settings of your interface, you will find in PSI Transaction Data the ["Mass data processing" tab](#) (if you have subscribed to the feature).

11.2.14 Position import

With the "Position import" add-on (subject to licensing), you can import positions. This is particularly useful for securities account reconciliation or initial data population.

This functionality is available as an add-on (subject to licensing) in your PSI Transaction Data for all interfaces. The only system requirement is an installed Portfolio Manager Server.



In the position import, you can delete existing transaction histories (depending on your settings). Therefore, carefully check positions and configuration settings and read the messages that appear.

See also:

- [Enable position import](#)
- [Configure position import](#)
- [Disable position import](#)

Enable position import

If you have licensed the "Pending cash balances" feature, follow these steps to enable it:

1. In the main menu of PSI, select EDIT, SETTINGS.
2. In the "Bank" area on the left of the "Settings" window, click the name of the corresponding bank.
3. In the settings of your bank, switch to the "Reconciliation" tab, and then the "General" tab.

4. Select the "Enable position import" checkbox.

Last change: 29-Dec-20 2:08:44 PM **User:** Demo

Retrieval Import **Reconciliation** Notifications Asset composition Holder zone Cloud Services Options

General Assessed reconciliation

Show only errors
No message issued for correct securities account items. This increases considerably the reconciliation performance.

Reconcile accounts as of current date
When reconciling the accounts, the reconciliation is always made using the current system date. The date from the data delivery is ignored.

Reconcile accounts by value date
The accounts are reconciled based on the value date in the postings. If not enabled, the posting date serves as the reference date.

Display unreconciled securities accounts/accounts
After the reconciliation, the system displays the securities accounts and/or accounts for the assigned banks, which are in the default zone but have not been reconciled (because no data record was delivered).

Granularity: Securities account

Position recon. tolerance: 0.000000

Balance recon. tolerance: 0.0000

Activate position import

Reset bank settings... Apply Close

5. Confirm the security prompt that appears with "Yes".

Warning

Enable the "Position import" feature

After enabling this feature and saving the setting, restart your Portfolio Sync Interfac to apply the changes for the import. Note: On the "Import", "Position data" tab, you can configure the position import. Note that if you clear the "Exchange positions (instead of deleting)" checkbox, then the transaction histories affected will be permanently deleted when importing positions. Do you want to enable the feature anyway?

Enable Do not enable

6. Confirm the settings by clicking the "Apply" button.
7. Next, restart PSI Transaction Data to configure and use the position import as described in [Configure position import](#).

Configure position import

If you licensed the "Position import" feature and activated it as described in the previous section, [Enable position import](#), then follow these steps to configure position import:

1. In the settings of your bank, switch to the "Import" tab, and then the "Position data" tab.

The screenshot shows a settings window with the following elements:


- Last change:** 29-Dec-20 2:40:10 PM
- User:** Demo
- Navigation tabs:** Retrieval, Import (selected), Reconciliation, Notifications, Asset composition, Holder zone, Cloud Services
- Sub-tabs:** Client master data, Transaction data, Position data (selected), Price data, Error buffer
- Options:**
 - Consider positions
 - Import positions
 - Exchange positions (instead of deleting)
- Granularity:** A dropdown menu showing "Securities account / depository / lock"
- Other options:**
 - Price import mandatory
- Buttons:** "Reset bank settings...", "Apply" (highlighted with a blue border), and "Close"

2. Specify the settings and select the degree of granularity for the positions.
3. Confirm the settings by clicking the "Apply" button.

The following settings are available:

Element	Description
Consider positions	Select this checkbox to consider positions in the import. If this checkbox is selected, the positions are also shown if you use the "View" button. If you also want to import the positions, you also must activate the "Position import" feature as described in Enable position import import. In addition, you need to select the "Import positions" checkbox.
Import positions	To import positions with the "Position import" add-on, select this checkbox.
Exchange positions (instead of deleting)	This checkbox is selected by default. Clear this checkbox if you want to delete the positions during the import instead of exchanging them. Please note that the cleared checkbox means that affected transaction histories will be permanently deleted when importing positions.

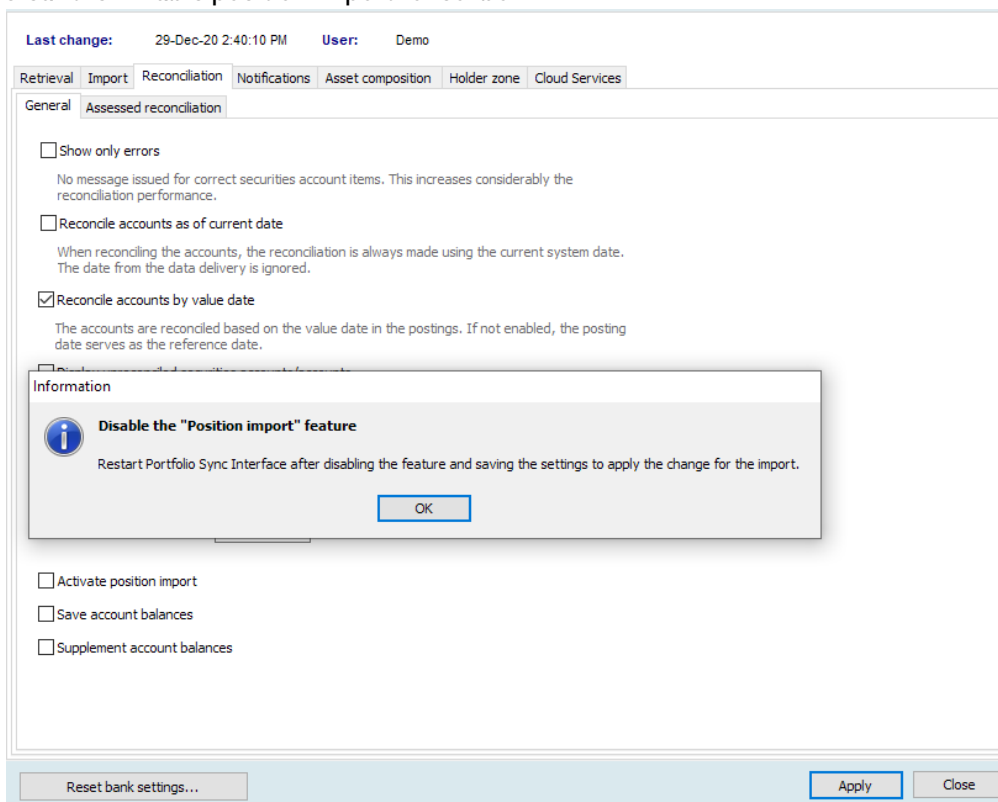
Element	Description
<p>Granularity</p>	<p>Here, you can define down to which level the position separation should be carried out to by selecting the corresponding entry in the drop-down list. Possible settings here are:</p> <ul style="list-style-type: none"> • Securities account • Securities account/depository • Securities account/depository/lock
<p>Price import mandatory</p>	<p>Select this checkbox if you want to always import prices during the position import.</p>

 The "Position data" tab is available only if the "Position import" add-on is enabled and PSI was subsequently restarted.

Disable position import

To disable the "Position import" feature, follow these steps:

1. In the main menu of PSI, select EDIT, SETTINGS.
2. In the "Bank" area on the left of the "Settings" window, click the name of the corresponding bank.
3. In the settings of your bank, switch to the "Reconciliation" tab, and then the "General" tab.
4. Clear the "Enable position import" checkbox.



5. Confirm the security prompt that appears with "OK".
6. Confirm the changes in the settings by clicking the "Apply" button.
7. Restart PSI Transaction Data for disabling the feature to take effect.

11.2.15 Pending cash balances

The (licensed) add-on for the consideration of pending cash balances is suitable for transaction data feeds whose cash volumes are transferred asynchronously to the securities volumes. By directly posting the securities transactions in Infront Portfolio Manager via the PSI Transaction Data, the user is always one step ahead. To still be able to carry out a meaningful account balance reconciliation, the Portfolio Sync Interface must hold the open cash leg of the securities volumes as pending cash balances during the reconciliation.

The implementation of the add-on in PSI Transaction Data for taking into account such pending cash balances offers a flexible configuration. In particular, it allows for different settings for purchase/sale, end maturities, dividends, fund distributions, security interest and tax posting.

Furthermore, you can define whether the postponement relates to the posting date, the value date or the last change date.

Depending on the setting, the corresponding pending cash balance per account is also displayed in the overview table of PSI Transaction Data after reconciliation.

For more information on configuring the pending cash balances, see the section "[Pending cash balances](#)" tab.

11.2.16 Pending accrued interest

For the pending accrued interest, similar to [Pending cash balances](#), the date for valuing the "Actual" side (that is, in the Infront Portfolio Manager) is moved in the future by the specified number of days. In this way, different calculation methods of the bank and Infront Portfolio Manager can be reconciled.

For more information on configuring the pending accrued interest, see the section "[Pending accrued interest](#)" tab.

11.2.17 Asset composition

In various scenarios of asset management, it makes sense to different assets of a client separately (in separate zones). The "asset composition" in PSI Transaction Data allows you to save client portfolio-related assignments of the accounts to assets. Depending on the number of assets, PSI Transaction Data automatically generates several "clones" of the client portfolio, each of which can thus be managed separately in Infront Portfolio Manager.

As the backend does not know this composition, it can and must be configured via the asset composition (original unofficial name was "VT23") in PSI.

Using a list of assignments (holder number, sequence number, account number), PSI clones the portfolios in the specified quantity, adds a sequence number at the front or end, and creates the accounts under the corresponding portfolios in line with the configuration.



To use the asset composition, the custodian bank holding the account or securities account must provide master data (holder, portfolio, account, securities account).

See also:

- [Prepare asset composition](#)
- [Maintain asset composition](#)
- [List of functions and parameters](#)
- [Examples for configuration](#)

Prepare asset composition

If the relevant bank is activated for the "asset composition" function, you can find a tab to enable and configure the asset composition in the bank-specific settings of your PSI. The (new) portfolio numbers and the (new) portfolio names for the portfolios to be created by the asset composition are configured there. The creation of the new portfolio numbers and names is carried out by linking operators, functions and strings.

For more information, see "[Asset composition](#)" tab.

Maintain asset composition

When you have made the basic settings, you can manage the asset composition via the main menu. To do this, follow these steps:




1. In the main menu, select DATA ENTRY, MAINTAIN ASSET COMPOSITION.
The "Asset composition table management" dialogue window appears.

The dialogue window shows the individual holder numbers, sequence numbers and account numbers per row.

2. Where applicable, select the PSI Transaction Data from the "Interface" drop-down list at the top in the dialogue window.

Now you can edit existing entries by clicking in the table cells and overwriting the entries.

With the icons, you can perform the following actions:

Icon	Description
	Create new data record Allows you to add an entry. Enter the required data in the new row.
	Delete selected data record Deletes a selected entry from the list. You are prompted to check whether you really want to delete the entry. If you confirm with "Yes", the entry is deleted.
	Delete all data records Deletes all entries displayed in the list. You are prompted to check whether you really want to delete the entries. If you confirm with "Yes", the entries are deleted.

You can sort this list in the usual way by double-clicking the relevant column heading or filter it using the arrow icons in the column headings. To group the table by columns, drag and drop the column headings into the area directly above the table while holding down the mouse button.

3. After making the entries, close the dialogue window with "OK".



If the "asset composition" function is principally possible for an interface, but the licence is not found in the product key, a corresponding information window appears when calling up the EDIT, MAINTAIN ASSET COMPOSITION command. In this case, contact our [Customer Service](#):

List of functions and parameters

Use the following parameters, operators and functions to configure the asset composition:

Parameter	
Name	Description
\$HOLDER	Holder number
\$HOLDERSTR	Holder name
\$VT23HOLDER	New portfolio number for asset composition
\$VT23SEQNR	Sequence number
functions	
Name	Description
PADLEFT (\$string,\$number,\$char)	Supplements the string on the left side with the \$char character until the total length of the string reaches \$number characters.
PADRIGHT (\$string,\$number,\$char)	Supplements the string on the right side with the \$char character until the total length of the string reaches \$number characters.
SUBSTR (\$string,\$start,\$number)	Provides a substring of the string of position \$start with the length of \$number characters
STRRIGHT(\$string,\$number)	Provides the \$number right characters of the string (of total length - \$number to total length)
STRLEFT(\$string,\$number)	Provides the \$number left characters of the string (from "0" to "\$number")
STRBEFORE(\$string,\$substr)	Provides the part of the string before the substring
STRAFTER(\$string,\$substr)	Provides the part of the string after the substring
Operators	
Name	Description
+	Combines two strings

Examples for configuration

Holder number	Sequence number	Account number
1	A_	1
1	B_	2
1	A_	3

In the example, a mapping is created for holder 1 with his three accounts 1, 2 and 3, using a sequence number. The sequence number determines that accounts 1 and 3 are to be combined (A_) and account 2 managed under a separate sequence number (B_).

Let us assume that the configuration in the settings is as follows:

`$VT23SEQNR+$HOLDER`

Then the two portfolios "`{A_1}`" and "`{B_1}`" are created under holder 1. Accounts 1 and 3 are under portfolio "A_1", account 2 under portfolio "B_1".

Thus, the separate analyses can be carried out.

Further examples to clarify the formulas in the settings:

`"Hello" => Hello`

`"Hello John" => Hello John`

`"Hello + John" => Hello John`

If the holder designation is "Doe, John" and the holder number is "123":

`SUBSTR>HelloYou,1.5)+ $HOLDER => Hello 123`

`SUBSTR>HelloYou,1.5)+ $HOLDERSTR => Hello Müller, Peter`

If the run number is "A_" and the holder designation is "Doe, John (123)":

`$VT23SEQNR+$HOLDER => A_123`

`STRBEFORE($HOLDERSTR,0)($VT23HOLDER+)=> Doe, John(A_123)`

11.2.18 Ignore securities movement

If you have subscribed to the "Ignore securities movement" feature for ignoring securities movements of certain orders based on securities account number and ISIN, you can define the orders in the bank-specific settings.

To configure orders without securities side, follow these steps:

1. In the bank-specific settings, switch to the tab "Import", "Transaction data", "Orders without securities side".
2. Select the "Enable processing of certain orders without securities side".
3. If you also want to suppress the portfolio reconciliation for these positions, activate the "Ignore corresponding positions during reconciliation" checkbox.
4. Add to the list those securities account numbers and ISINs of the orders whose securities movements are to be ignored.
5. Confirm the configuration by clicking the "Apply" button.
For the corresponding orders, the securities movements are then ignored and, depending on the

respective direction or sign of the transaction, a cash deposit or cash withdrawal is posted with a corresponding transaction number (suffix "_OAP").



This feature is licensable and useful for all interfaces that also support orders.

11.3 Other features

See also:

- [Historical average purchase prices from tax tranches](#)

11.3.1 Historical average purchase prices from tax tranches



This add-on is not available or cannot be activated for all interfaces. If necessary, obtain information from the [Customer Service](#).

From the tax-related average purchase prices (tax tranches), a commercial, historical average purchase price can be calculated for the delivery to which they relate.

In doing so, the historical price is calculated as the weighted average value of the prices from the tranches weighted with the nominal value. The historical exchange rates and the historical interim profit are also determined.

The historical exchange rate is provided, because the tax tranches are always in the tax currency and have no connection to the account.

The date of the last tranche delivery is used as the historical date.

As no price is delivered for tax tranches before flat tax, all tranches before this date are summarised in one single tranche with the price 0. To obtain an approximately good price, the valuation price of the class on this date is provided for this tranche. During import, the price is taken that is set in the interface; custom rules are ignored.



Note that this is a technically imprecise (incorrect) calculation, because commercial (average prices) and tax (FIFO) aspects are mixed.

12 Cloud services for PSI Transaction Data

Interfaces are moving to the cloud - don't miss out!

For all "cloud ready" interfaces, you can specify whether processing is to be performed via the cloud services or "classic". To do this, switch to the "Cloud Services" tab in the bank-specific settings of your PSI Transaction Data, enable the "Use Cloud Services" checkbox and confirm the setting.

"Cloud-ready" interfaces are all interfaces created and available as web services. One example is the configurable "Infront interface". The switch is possible for this interface only.



In the future, all interfaces will be offered as web services, but the exact dates for the individual PSI transaction data are not yet known. To learn more, get in touch with our Customer Service.

13 Error codes in PSI

This chapter provides lists of possible error codes with a brief description. These lists are categorised just as in the application.

See also:

- [No error \(error codes\)](#)
- [Unknown cause \(error codes\)](#)
- [MMAScii error \(error codes\)](#)
- [Group master data \(error codes\)](#)
- [Holder master data \(error codes\)](#)
- [Account master data \(error codes\)](#)
- [Securities account master data \(error codes\)](#)
- [Security account master data \(error codes\)](#)
- [Security price \(error codes\)](#)
- [Foreign exchange forward \(error codes\)](#)
- [Balance \(error codes\)](#)
- [Position \(error codes\)](#)
- [Posting \(error codes\)](#)
- [Order \(error codes\)](#)
- [Coupon \(error codes\)](#)
- [Address \(error codes\)](#)
- [User-defined field \(error codes\)](#)
- [Kickback \(error codes\)](#)
- [Tranche \(error codes\)](#)
- [Portfolio \(error codes\)](#)
- [Reconciliation \(error codes\)](#)
- [Order book \(error codes\)](#)
- [Folder \(error codes\)](#)
- [Security Reference Mapping \(error codes\)](#)
- [Position injection \(error codes\)](#)
- [Info \(error codes\)](#)
- [Balance injection \(error codes\)](#)
- [AddressEx \(error codes\)](#)
- [Advisor \(error codes\)](#)
- [Person \(error codes\)](#)
- [Person link \(error codes\)](#)
- [Prospect \(error codes\)](#)
- [FOREX \(error codes\)](#)
- [General error codes \(error codes\)](#)

13.1 No error (error codes)

No error	
Code	Description
0	No error

13.2 Unknown cause (error codes)

Unknown cause	
Code	Description
11001	Unknown error when resolving external references
11002	Unknown error when saving the data
11003	Unknown error MMASCII
11004	Unknown error - generic
11005	Unknown error - consistency
11006	Unknown error - validation
11007	Unknown error - retrieval
11008	Unknown error - hook
11009	Unknown error - converter
11010	Unknown error - export
11011	No exchange rate found (external-internal processor)
11012	Unknown error - specification
11013	Unknown error - test environment
11014	Unknown error - reconciliation
11015	Cancelled by user
11016	Master data was not processed because the settings prohibit the master data action.
11017	Unknown error - message
11018	Error in data record

13.3 MMASCI error (error codes)

MMASCI error	
Code	Description
00103	Address (MMASCI)
00104	Portfolio (MMASCI)
00107	User-defined field (MMASCI)
00108	Order (MMASCI)
00109	Posting (MMASCI)
00110	Coupon (MMASCI)
00111	Kickback (MMASCI)
00112	Position (MMASCI)
00113	Balance (MMASCI)
00114	Security price (MMASCI)
00115	FX forward price (MMASCI)
00116	Performance (MMASCI)
00117	Folder (MMASCI)
00118	Tranche (MMASCI)
00119	Security Reference Mapping (SRM) (MMASCI)
00120	Balance injection (MMASCI)
00121	Position injection (MMASCI)
00122	Info (MMASCI)
00123	Order book (MMASCI)

MMASCII error	
Code	Description
00124	AddressEx (MMASCII)
00125	Advisor (MMASCII)

13.4 Group master data (error codes)

Group master data	
Code	Description
100101	No description specified
100102	Missing number
100103	Folder as parent type, but reference type is number
100104	Parent object not found
100105	Name too long
100106	Number too long
100107	No master data action
100108	"Parent" field too long
100109	"Zone" field too long
111001	Group (MMASCII)
111002	Error when resolving references
111003	Parent object not found
111004	Unknown error
111005	Group number is not unique

Group master data	
Code	Description
111006	Parent cannot be the group itself
111007	Parent of the group is an ambiguous group
111008	Parent of the group is an ambiguous folder
111009	Group to be changed does not exist
111010	Parent of the group is in the historical zone
111011	Object is in Recycle Bin
111012	Parent object is in Recycle Bin

13.5 Holder master data (error codes)

Holder master data	
Code	Description
200100	Folder as parent type, but reference type is number
200101	Name too long
200102	Number too long
200103	Missing number
200104	No master data action
200105	No parent reference type
200106	No description specified
200107	Holder: Parent object too long
200108	Holder: Comment too long

Holder master data	
Code	Description
200109	Holder: Tax rate too long
200110	Holder: Advisor area ID too long
200111	Holder: Advisor area too long
200112	Holder: Zone too long
200113	Holder: Analysis currency too long
200114	Holder: Name of the investment agent too long
200115	Holder: Loss threshold too long
200116	Holder: Church tax rate too long
200117	Holder: Church tax rate for spouse too long
200118	Holder: Loss carried forward for spec. gains too long
200119	Holder: Ownership share of spouse too long
200120	Holder: Loss carryforward for capital too long
200121	Holder: Loss carryforward for equities too long
200122	Holder: Profile key too long
200123	Holder: Advisor area ID too long
200124	Holder: Advisor area not empty
200125	Holder: Analysis currency too short
200126	Holder: Flat-rate savings allowance too long
211001	Holder (MMASCI)
211002	Holder (MMASCI)

Holder master data	
Code	Description
211003	Error when resolving references
211004	Parent object not found
211005	Unknown error
211006	Stated zone does not exist
211007	Error when creating the address
211008	Holder number not unique
211009	Holder to be changed missing
211010	Parent of the holder is an ambiguous group
211011	Parent of the holder is an ambiguous folder
211012	Parent of the holder is in the historical zone
211013	Holder in Recycle Bin
211014	Holder not in asset composition

13.6 Account master data (error codes)

Account master data	
Code	Description
300100	Name too long
300101	Number too long
300102	Missing number
300103	No master data action

Account master data	
Code	Description
300104	No currency
300105	No account name
300106	Reference details insufficient for the account
300107	Reference field missing
300108	Reference field too long
300109	Parent object missing
300110	Bank name too long
300111	Sort code too long
300112	BIC too long
300113	Branch number too long
300114	Account currency too long
300115	IBAN too long
300116	Parent object too long
300117	Comment too long
300118	Interest rate too long
300119	Portfolio number too long
300120	Reference field too short
300121	BIC too short
300122	Account currency too short
300123	IBAN too short

Account master data	
Code	Description
311001	Account (MMASCI)
311002	Error when resolving references
311003	Parent object not found
311004	Unknown error
311005	Bank of the account not unique
311006	Account found, but in the Recycle Bin
311007	Account found, but not unique
311008	Account should be moved, but that would result in cross-posting
311009	Portfolio for account does not exist
311010	Currency not found

13.7 Securities account master data (error codes)

Securities account master data	
Code	Description
400100	Name too long
400101	Number too long
400102	Missing number
400103	No master data action
400104	No parent reference type (in the "ParentReferenceType" field)
400105	The "Action" field has an incorrect type

Securities account master data	
Code	Description
400106	A field of the account reference missing
400107	A field of the account reference is too long
400108	Securities account name missing
400110	Parent reference type has an incorrect type
400111	"Created on" field has incorrect type
400112	Comment too long
400114	"UserField1Name" field too long
400115	"UserField1Value" field too long
400116	"UserField2Name" field too long
400117	"UserField2Value" field too long
400118	"UserField3Name" field too long
400119	"UserField3Value" field too long
400120	"Exclude from tax analysis" field has an incorrect type
400121	The "Deactivated on" field has an incorrect type
400122	Portfolio number too long
400123	Holder number too long
400124	The "Performance calculation on" field has an incorrect type
400125	Account number missing
400126	Account number too long
400127	Bank name too long

Securities account master data	
Code	Description
400128	Sort code too long
400129	BIC too long
400130	Branch number too long
400131	Account currency too long
400134	Name of custodian bank too long
400135	Sort code of custodian bank too long
400136	BIC of custodian bank too long
400137	Branch number of custodian bank too long
400138	Account currency of custodian bank too long
400139	Parent object and holder missing
400140	"ParentCashAccountRef" field too short
400141	"SafeKeepingAccountRef" field too short
400142	BIC too short
400143	Account currency too short
400144	BIC of custodian bank too short
400145	BIC of custodian bank too short
411001	Securities account (MMASCI)
411002	Error when resolving references
411003	Parent object not found
411004	Unknown error

Securities account master data	
Code	Description
411005	Holder number of the securities account holder not unique
411006	Settlement account in the Recycle Bin
411007	Securities account should be moved, but that would result in cross-posting
411008	Securities account in the Recycle Bin
411009	Account is not uniquely identifiable
411010	Account not found for the securities account
411011	Holder not found for the securities account
411012	Portfolio not found for the securities account
411013	Inconsistent internal securities account
411014	Holder for the securities account not found (external-internal)
411015	Selected holder has no account
411016	Account for selected holder not found
411017	Currency not found
411018	Account number not unique
411019	Portfolio for selected holder not found

13.8 Security account master data (error codes)

Security master data	
Code	Description
510100	Security reference incorrect

Security master data	
Code	Description
510101	ISIN incorrect
510103	Valor number incorrect
510106	No type specified for securities data record
510107	Not enough information for referencing
510108	Name too long
510109	Country too long
510110	Interest rate too long
510111	Interest payment frequency too long
510112	Currency too long
510113	Security (in the "SecurityField") too long
510114	ISIN too long
510115	DEWKN too long
510116	Valor number too long
510117	OEWKN too long
510118	SRM too long
510119	Strike too long
510120	Exchange rate too long
510121	Underlying (in the "SecurityField") too long
510122	ISIN of underlying too long
510123	DEWKN of underlying too long

Security master data	
Code	Description
510124	Valor number of underlying too long
510125	OEWKN of underlying too long
510126	SRM of underlying too long
510127	Security (in the "SecurityField") too short
510128	Underlying (in the "SecurityField") too short
510129	Security quote reference (in the "SecurityQuoteRefField" field) too short
510130	ISIN too short
510131	DEWKN too short
510132	Valor number too short
510133	OEWKN too short
510134	Exchange rate too short
510135	ISIN of underlying too short
510136	DEWKN of underlying too short
510137	Valor number of underlying too short
510138	OEWKN of underlying too short
510139	Currency too short
510140	Country too short
510141	"UserField1Name" field too long
510142	"UserField2Name" field too long
510143	"UserField3Name" field too long

Security master data	
Code	Description
510144	Contract factor not greater than zero
510145	Version ("Option" security type) too long
510146	Generation ("Option" security type) too long
510106	No type specified for securities data record
511001	Securities (MMASCII)
511002	Error when resolving references
511003	Venue in trading venue mapping not found
511004	Security not found
511005	Price factor incorrect
511006	Deviation for tick size or tick value
511007	Deviation for options in the contract factor
511008	Security cannot be created because necessary information is incomplete
511009	Not enough information for security reference
511010	Underlying not found
511011	Security Reference Mapping (SRM) does not exist
511012	No correct currency specified
511013	Trading venue not found
511014	No standard valuation venue (quote) found
511015	Unknown error (external-internal)

Security master data	
Code	Description
511016	Delivered contract factor differs from the contract factor in Infront Portfolio Manager
511017	Delivered quote differs from the quote in Infront Portfolio Manager
511018	Delivered security type differs from the security type in Infront Portfolio Manager
511019	Index ratio could not be determined

13.9 Security price (error codes)

Security price	
Code	Description
600100	No currency in security price
600101	No currency in security price
600102	Not enough information for referencing the security
600103	A field of the security reference missing
600104	Internal error (pseudo trading venue ***)
600105	Security (in the "SecurityField") too long
600106	ISIN too long
600107	DEWKN too long
600108	Valor number too long
600109	OEWKN too long
600110	Underlying price (in the "UnderlyingPrice" field) too long

Security price	
Code	Description
600111	Exchange rate too long
600112	Underlying (in the "SecurityField") too long
600113	ISIN of underlying too long
600114	DEWKN of underlying too long
600115	Valor number of underlying too long
600116	OEWKN of underlying too long
600117	Security quote reference too long
600118	Security currency too long
600119	Trading venue too long
600120	Open too long
600121	High too long
600122	Low too long
600123	Close too long
600124	Fixing too long
600125	Valuation price too long
600126	Security (in the "SecurityField") too short
600127	Underlying (in the "SecurityField") too short
600128	Security quote reference too short
600129	ISIN too short
600130	DEWKN too short

Security price	
Code	Description
600131	Valor number too short
600132	OEWKN too short
600133	Exchange rate too short
600134	ISIN of underlying too short
600135	DEWKN of underlying too short
600136	Valor number of underlying too short
600137	OEWKN of underlying too short
600138	Security currency too short
600139	Trading venue too short
600140	Market Identifier Code (MIC) too long
600141	MDP trading venue too long
600142	OTC trading venue too long
600143	Market Identifier Code (MIC) too short
600144	MDP trading venue too short
600145	OTC trading venue too short
600146	Execution only for securities not quoted in percent
600147	Securities reference type missing (then "WKN" or "ISIN" are used as reference)
611001	Error when resolving references
611002	Unexpected return type when searching for the security

Security price	
Code	Description
611003	Unknown error
611004	Security price should be "distributed" across all quotes of all currencies; the venue information is incorrectly selected for this
611005	Underlying security for future/option not found
611006	Security not found
611007	SRM not found
611008	Currency not found
611009	Trading venue not found
611010	Security not unique
611011	Security duplicated

13.10 Foreign exchange forward (error codes)

Foreign exchange forward	
Code	Description
701001	Test 1: Currencies different?
701002	Test 2: Currencies match (exchange rate reciprocal value of the other)?
701003	Test 3: Does cash account currency of the inflow correspond to the outflow currency?
701004	Test 4: Does cash account currency of the outflow correspond to the inflow currency?
701005	Test 5: Outflow amount * inflow exchange rate + inflow amount not equal to zero?

Foreign exchange forward	
Code	Description
701006	Test 6: Inflow amount * outflow exchange rate + outflow amount not equal to zero?
701007	Test 7: Do inflow and outflow belong to different holders?
701008	Test 8a: For foreign exchange trades, the value date must not be before the posting date.
701009	Test 8b: For foreign exchange forwards, the value date must be at least three days after the posting date
711000	Unknown error (external-internal)

13.11 Balance (error codes)

Balance	
Code	Description
800100	Balance missing
800101	A field for the reference account missing
800102	A field for the reference account (special asset) missing
800103	Account type incorrect
800104	Date type incorrect
800105	Day count convention incorrect
800106	Reference account too long
800107	Reference account (special asset) too long
800108	Number of reference account too long
800109	Currency of reference account too long

Balance	
Code	Description
800110	Sort code of reference account too long
800111	BIC of reference account too long
800112	IBAN of reference account too long
800113	Branch number of reference account too long
800114	Reference account (special asset) too long
800115	Currency of reference account (special asset) too long
800116	Sort code of reference account (special asset) too long
800117	BIC of reference account (special asset) too long
800118	IBAN of reference account (special asset) too long
800119	Branch number of reference account (special asset) too long
800120	Reference number of reference account (special asset) too long
800121	Balance too long
800122	Accrued interest too long
800123	Interest rate too long
800124	Counter account too long
800125	Reference account reference number (special asset) missing
800126	Information on reference account insufficient
800127	No empty field for reference account (special asset)
800128	Account number for reference account (special asset) not empty
800129	Reference account too short

Balance	
Code	Description
800130	Reference account (special asset) too short
800131	BIC of reference account too short
800132	Reference account too short
800133	IBAN of reference account too short
800134	BIC of reference account (special asset) too short
800135	Currency of reference account (special asset) too short
811001	Account not found
811002	Unknown error
811003	Account is not unique
811004	Deviation in the balance (current account)
811005	accrued interest not correct
811006	Special assets: accrued interest not correct
811007	Loan: deviation in balance
811008	Term deposit: deviation in balance
811009	Margin: deviation in balance
811010	FX forward: deviation in balance
811011	Special asset not found
811012	Account number not unique
811013	Account in Recycle Bin
811014	Currency not found

13.12 Position (error codes)

Position	
Code	Description
900100	Not enough information for referencing the security
900101	No target value in positions
900102	No securities account specified in positions
900103	Security (in the "SecurityField") missing
900104	Securities account too long
900105	Securities account number too long
900106	Securities account sort code too long
900107	Securities account BIC too long
900108	Securities account branch number too long
900109	Security (in the "SecurityField") too long
900110	ISIN too long
900111	DEWKN too long
900112	Valor number too long
900113	OEWKN too long
900114	SRM too long
900115	Underlying too long
900116	Exchange rate too long
900117	Underlying (in the "SecurityField") too long
900118	ISIN of underlying too long

Position	
Code	Description
900119	DEWKN of underlying too long
900120	Valor number of underlying too long
900121	OEWKN of underlying too long
900122	SRM of underlying too long
900123	Security quote reference too long
900124	Currency too long
900125	Target value for positions too long
900126	Depository too long
900127	Lock too long
900128	Pooling factor too long
900129	Valuation currency too long
900130	Price too long
900131	Market value too long
900132	Accrued interest too long
900133	Target investment currency too long
900134	Valuation currency required if exchange rate or accrued interest is specified
900135	Not enough information for referencing the securities account
900136	Securities account too short
900137	Security (in the "SecurityField") too short

Position	
Code	Description
900138	Underlying (in the "SecurityField") too short
900139	Security quote reference too short
900140	Securities account BIC too short
900141	ISIN too short
900142	DEWKN too short
900143	Valor number too short
900144	OEWKN too short
900145	Exchange rate too short
900146	ISIN of underlying too short
900147	DEWKN of underlying too short
900148	Valor number of underlying too short
900149	OEWKN of underlying too short
900150	Currency too short
900151	Valuation currency too short
900152	Target investment currency too short
911001	Securities account not found
911002	Unknown error
911003	Securities account number not unique
911004	Negative pool factor calculated - probably through negative pool factor redemption

Position	
Code	Description
911005	SRM not found
911006	Lock not found
911007	Securities account in the Recycle Bin
911008	Currency not found

13.13 Posting (error codes)

Posting	
Code	Description
1000101	No account number specified
1000102	No reference number specified for foreign exchange trade
1000103	No reference number specified for foreign exchange forward
1000104	Transaction number too long
1000105	No posting type specified
1000106	No amount specified in posting
1000107	No transaction number specified in posting
1000108	No value date specified in posting
1000109	Not enough information for referencing the account
1000110	Target account number missing
1000111	Reference field for account missing
1000112	Reference field for account (special asset) missing

Posting	
Code	Description
1000113	Reference field for account too long
1000114	Account number too long
1000115	Bank name (account) too long
1000116	Sort code (account) too long
1000117	Sort code (account) too long
1000118	Branch number (account) too long
1000119	Account currency too long
1000120	IBAN (account) too long
1000121	Reference field (special asset) too long
1000122	Target account number too long
1000123	Sort code (special asset) too long
1000124	BIC (special asset) too long
1000125	Branch number (special asse) too long
1000126	Currency (special asset) too long
1000127	Reference number (special asset) too long
1000128	Tax field too long
1000129	KöSt too long
1000130	KESt too long
1000131	SolZ too long
1000132	ZASSt too long

Posting	
Code	Description
1000133	Church tax too long
1000134	Church tax of spouse too long
1000135	Withholding tax too long
1000136	Deductible withholding tax too long
1000137	Refundable withholding tax too long
1000138	Tax rate too long
1000139	Tax currency too long
1000140	Assessment base too long
1000141	Amount too long
1000142	Currency too long
1000143	Exchange rate too long
1000144	Comment too long
1000145	Interest rate too long
1000146	Value-added tax too long
1000147	Reference field for account (special asset) not empty
1000148	Target account number not empty
1000149	Reference field for account too short
1000150	Reference field for account (special asset) too short
1000151	Tax field too short
1000152	BIC (account) too short

Posting	
Code	Description
1000153	Account currency too short
1000154	IBAN (account) too short
1000155	BIC (special asset) too short
1000156	Currency (special asset) too short
1000157	Tax currency too short
1000158	Currency too short
1001000	Credit interest: ZAST \geq SolZ
1001001	Tax refund: amount does not match individual values
1001002	Value date before 31.12.1899
1001003	Posting date before 31.12.1899
1001004	Maturity date before 31.12.1899
1001005	Maturity date set, but not term deposit nor loan
1001006	Interest rate > 0, but not term deposit nor loan
1001007	Interest rate < 0
1001008	Amount must be positive for specified type
1001009	Amount must be negative for specified type
1001010	Exchange rate must be 1 for currency = account currency
1001011	Tax exchange rate must be 1 for tax currency = account currency
1001012	Tax burden: amount does not match individual values
1011000	Bank ID was not found

Posting	
Code	Description
1011001	Currency not known
1011002	Account not found
1011003	Asset component not found
1011004	Posting date before fixed date
1011005	Original posting for the cancellation not found
1011006	Posting was changed manually
1011007	Posting too old
1011008	Posting already exists
1011009	The account number is ambiguous
1011010	Unknown error
1011011	The posting is inconsistent
1011012	Foreign exchange trade: outflow stands alone
1011013	Foreign exchange trade: inflow stands alone
1011014	Foreign exchange forward: outflow stands alone
1011015	Foreign exchange forward: inflow stands alone
1011016	Foreign exchange trade is inconsistent
1011017	Foreign exchange forward is inconsistent
1011018	Account for portfolio not found
1011019	Portfolio not found
1011020	Account not found

Posting	
Code	Description
1011021	Margin account already created in futures
1011022	Security not found

13.14 Order (error codes)

Order	
Code	Description
1100100	No securities account number specified
1100101	No trading currency specified
1100102	No transaction number specified
1100103	Transaction number too long
1100104	Historical price or date not filled
1100105	Account not specified despite cash flow
1100106	No trade date specified
1100107	No order type specified
1100108	No cash flow specified
1100109	No price specified
1100110	No nominal value specified
110111	Not enough information for referencing the security
110112	Lock too long
110113	Security type is "Future" or "Option", but long/short is not specified

Order	
Code	Description
110114	Security type is not "Future" or "Option", but long/short is specified
110115	Cancellation missing
110116	Not enough information for referencing the securities account
110117	Reference for securities account missing
110118	Security (in the "SecurityField") missing
110119	Reference field for securities account too long
110120	Account number too long
110121	Bank name too long
110122	Sort code too long
110123	BIC too long
110124	Branch number too long
110125	Security (in the "SecurityField") too long
110126	Security quote reference ("SecurityQuoteRefField") too long
110127	Reference field for security too long
110128	ISIN too long
110129	DEWKN too long
110130	OEWKN too long
110131	Valor number too long
110132	MMWKN too long
110133	SRM too long

Order	
Code	Description
110134	Currency pair too long
110135	Security ID too long
110136	Reference field for underlying too long
110137	ISIN of underlying too long
110138	DEWKN of underlying too long
110139	OEWKN of underlying too long
110140	Valor number of underlying too long
110141	MMWKN of underlying too long
110142	SRM of underlying too long
110143	Underlying currency pair too long
110144	Underlying security pair ID too long
110145	Tick size too long
110146	Ticket value too long
110147	Strike too long
110148	Contract factor too long
110149	Security currency too long
110150	Trading venue too long
110151	Security name too long
110152	Country (for security) too long
110153	Interest rate too long

Order	
Code	Description
110154	Interest payment frequency too long
110155	Reference field for account too long
110156	Account number too long
110157	Bank name too long
110158	Sort code too long
110159	BIC too long
110160	Branch number too long
110161	Account currency too long
110162	IBAN too long
110163	Fees field too long
110164	Brokerage too long
110165	Fees too long
110166	Third-party expenses too long
110167	Bank expenses too long
110168	VAT too long
110169	Stamp duty too long
110170	Front-end load too long
110171	Bonus too long
110172	Kickback too long
110173	Fees currency too long

Order	
Code	Description
110174	Tax field too long
110175	KöSt too long
110176	KESt too long
110177	SolZ too long
110178	ZASSt too long
110179	Church tax too long
110180	Church tax of spouse too long
110181	Withholding tax too long
110182	Deductible withholding tax too long
110183	Refundable withholding tax too long
110184	Tax rate too long
110185	Tax currency too long
110186	Assessment base too long
110187	Cash flow too long
110188	Nominal value too long
110189	Price too long
110190	Trading currency too long
110191	Exchange rate too long
110192	Comment too long
110193	Interim profit too long

Order	
Code	Description
110194	Accrued interest too long
110195	Historical purchase price too long
110196	Historical exchange rate too long
110197	Historical interim profit too long
110198	Depository too long
110199	Depository name too long
110200	Order reference too long
110201	Future opening price too long
110202	Pooling factor too long
110203	Trading venue too long
110204	Reference corporate action too long
110205	External (exogenous) qualifier too long
110206	Order book name too long
110207	Index multiplier too long
110208	Block order number too long
110209	Not enough information for referencing the account
110210	Securities reference type missing (then "WKN" or "ISIN" are used as reference)
110211	Corporate action type not empty
110212	Reference field for securities account too short

Order	
Code	Description
110213	Reference field for account too short
110214	Security (in the "SecurityField") too short
110215	Security quote reference ("SecurityQuoteRefField") too short
110216	Reference field for security too short
110217	Reference field for underlying too short
110218	Fees field to short
110219	Tax field too short
110220	BIC for custodian bank too short
110221	BIC for bank too short
110222	Account currency too short
110223	IBAN too short
110224	Country (for security) too short
110225	Security currency too short
110226	Trading venue too short
110227	ISIN too short
110228	DEWKN too short
110229	OEWKN too short
110230	Valor number too short
110231	Security pair to short
110232	ISIN of underlying too short

Order	
Code	Description
110233	DEWKN of underlying too short
110234	OEWKN of underlying too short
110235	Valor number of underlying too short
110236	Underlying currency pair too short
110237	Fees currency too short
110238	Tax currency too short
110239	Trading currency too short
110240	Trading venue too short
110241	Market Identifier Code (MIC) too long
110242	MDP trading venue too long
110243	OTC trading venue too long
110244	Market Identifier Code (MIC) too short
110245	MDP trading venue too short
110246	OTC trading venue too short
110247	Cross-reference although there is an endogenous qualifier
110248	Cross-reference although there is neither an incoming delivery nor an outgoing delivery
110249	Cross-reference although the order reference is not empty
110250	"Not endogenous" with cross-reference
110251	Cross-reference despite empty order reference

Order	
Code	Description
110252	Cross-reference although no incoming delivery
110253	Cross-reference although no outgoing delivery
110254	Contract factor not empty and not greater than zero
110255	Order reference despite exogenous (external) qualifier
110256	Cross-reference for interim profit incorrect
110257	Cross-reference for interim profit incorrect
110258	Cross-reference for historical interim profit incorrect
110259	Cross-reference for historical interim profit incorrect
110260	Cross-reference for accrued interest incorrect
110261	Cross-reference for accrued interest incorrect
1101000	Tax exchange rate \neq 1, although tax currency = account currency
1101001	Exchange rate \neq 1, although trading currency = account currency
1101002	Order date before 31.12.1899
1101003	Value date before 31.12.1899
1101004	Interim profit $<$ 0
1101005	Interim profit $>$ 0 but security type not fund
1101006	Historical interim profit $>$ 0 but security type \neq fund
1101007	Bonus $<$ 0
1101008	Bonus $>$ 0 but security type \neq fund
1101009	Opening price of future $>$ 0 but security type \neq future

Order	
Code	Description
1101010	Accrued interest < 0
1101011	Accrued interest > 0 but security type not bond
1101012	Cash flow \neq 0, although order type is splitting, redenomination or bonus shares
1101013	ZASt < 0
1101014	SolZ < 0
1101015	SolZ > ZASt + KESSt
1101016	Incoming delivery: Cash flow does not match individual values
1101017	Outgoing delivery: Cash flow does not match individual values
1101018	Purchase, final maturity (long): Cash flow does not match individual values
1101019	Sale, final maturity (short): Cash flow does not match individual values
1101020	Although order type = lock, one of the following values is not equal to 0: cash flow, price, brokerage fee, expenses, third-party expenses, fees, interim profit, ZASt, SolZ, accrued interest, withholding tax, opening price
1101021	Nominal value \leq zero, although order type purchase, incoming delivery or fund reinvestment
1101022	Nominal value \geq zero, although order type sale or outgoing delivery
1101023	Price on incoming or outgoing delivery is -10001, that is, the cross-reference was not resolved
1101024	Front-end load, but order type not purchase
1101025	Contract factor is zero
1101026	Order types inconsistent: no outgoing/incoming delivery pair
1101027	At least one order is marked as "External" (exogenous)

Order	
Code	Description
1101028	No position-separating features
1101029	Market values differ
1101030	Transfer with only one order
1101031	Derivatives without long/short qualifier
1101032	Tick size or tick value for future was zero
1111000	No sufficiently current price found when resolving the cross-reference -10001
1111001	The order is inconsistent
1111002	The order is inconsistent
1111003	Account number not unique
1111004	Currency unknown
1111005	Securities account not found
1111006	Settlement account not found for the securities account
1111007	When matching with the order book, the block order book entry was not found
1111008	When matching with the order book, the order book entry was not found
1111009	The original order was not found for the order
1111010	ID of the lock was not found
1111011	The order was changed manually
1111012	Order date is before fixed date
1111013	Order too old

Order	
Code	Description
1111014	Order already exists
1111015	There are several settlement accounts with the specified account number
1111016	Security not found
1111017	Securities account number not unique
1111018	Securities account and account are under different holders
1111019	Underlying security not found
1111020	Option/future not found
1111021	Unknown error
1111022	No venue was found for the trading venue ID
1111023	The securities account is in the Recycle Bin
1111024	The account is in the Recycle Bin
1111025	Securities account not found
1111026	SRM not found
1111027	"OrderBookEntry" for order not found
1111028	Security duplicated
1111029	Exercise permissions incomplete
1111030	Security not unique - order not imported
1111031	Account number not unique
1111032	Portfolio not found
1111033	No account found for this portfolio

Order	
Code	Description
1111034	Quote missing when resolving cross-reference
1111035	Index multiplier missing when resolving cross-reference
1111036	Nominal value missing when resolving the cross-reference
1111037	Contract factor missing when resolving the cross-reference
1111038	Data record contains an unknown option type

13.15 Coupon (error codes)

Coupon	
Code	Description
1200100	The transaction number is too long
1200101	Account not specified despite cash flow
1200102	Securities account not specified
1200103	No ex date specified
1200104	No coupon type specified
1200105	No cash flow
1200106	No nominal value specified
1200107	"No gross per unit" price specified
1200108	No transaction number
1200109	Not enough information for referencing the security
1200110	Reference field for securities account missing

Coupon	
Code	Description
1200111	Account number missing
1200112	Security reference missing
1200113	Income currency missing
1200114	Cancellation missing
1200115	Reference field for securities account too long
1200116	Securities account number too long
1200117	Custodian bank number too long
1200118	Securities account sort code too long
1200119	Securities account BIC too long
1200120	Securities account branch number too long
1200121	ISIN too long
1200122	DEWKN too long
1200123	Valor number too long
1200124	OEWKN too long
1200125	SRM too long
1200126	Strike too long
1200127	Exchange rate too long
1200128	Reference field for account too long
1200129	Account number too long
1200130	Bank name too long

Coupon	
Code	Description
1200131	Sort code too long
1200132	BIC too long
1200133	Branch number too long
1200134	Currency too long
1200135	IBAN too long
1200136	KöSt too long
1200137	KESt too long
1200138	SolZ too long
1200139	ZASSt too long
1200140	Church tax too long
1200141	Church tax of spouse too long
1200142	Withholding tax too long
1200143	Deductible withholding tax too long
1200144	Refundable withholding tax too long
1200145	Tax exchange rate too long
1200146	Tax currency too long
1200147	Assessment base too long
1200148	Cash flow too long
1200149	Nominal value too long
1200150	"Gross per unit" too long

Coupon	
Code	Description
1200151	Income currency too long
1200152	Exchange rate too long
1200153	Domestic expenses too long
1200154	Foreign expenses too long
1200155	Comment too long
1200156	Tax-free amount too long
1200157	Index multiplier too long
1200158	Tax sum too long
1200159	Reference field for security too long
1200160	Tax field too long
1200161	Reference field for securities account too short
1200162	Reference field for security too short
1200163	Reference field for account too short
1200164	Tax field too short
1200165	Securities account sort code too short
1200166	ISIN too short
1200167	DEWKN too short
1200168	Valor number too short
1200169	OEWKN too short
1200170	Exchange rate too short

Coupon	
Code	Description
1200171	BIC too short
1200172	Account currency too short
1200173	IBAN too short
1200174	Tax currency too short
1200175	Income currency too short
1200177	"Gross per unit" and "Total gross" empty
1200178	VAT too long
1200179	Not enough information for referencing the account
1200180	Securities reference type missing (then "WKN" or "ISIN" are used as reference)
1201000	Exchange rate $\neq 1$, although tax currency = account currency
1201001	Exchange rate $\neq 1$, although trading currency = account currency
1201002	Corporate tax < 0
1201003	Investment income tax < 0
1201004	ZAST < 0
1201005	SolZ < 0
1201006	SolZ \leq ZAST + investment income tax
1201007	Refundable withholding tax < 0
1201008	Deductible plus refundable withholding tax < 0
1201009	Deductible plus refundable withholding tax $>$ refundable withholding tax

Coupon	
Code	Description
1201010	Notional withholding tax < 0
1201011	Tax-free amount < 0
1201012	Coupon ex date < 30.12.1899
1201013	Coupon date < 30.12.1899
1201014	Value date < 30.12.1899
1201017	Cash flow not plausible
1201019	Cash flow is incorrect for profit retention (no tax liquidity)
1201020	Cash flow is incorrect for profit retention (tax liquidity)
1201021	Profit retention with tax liquidity before 2012
1211000	The coupon is inconsistent
1211001	Account number not unique
1211002	Unknown currency
1211003	Securities account not found
1211004	Account not found
1211005	Security not found
1211006	The original coupon was not found for the cancellation
1211007	The coupon was changed manually
1211008	The coupon date is before the fixed date
1211009	The coupon is too old
1211010	The security type does not match the reinvestment

Coupon	
Code	Description
1211011	Coupon already exists
1211012	Account number not unique
1211013	Securities account number not unique
1211014	Account and securities account are under different holders
1211015	Unknown error
1211016	The securities account is in the Recycle Bin
1211017	The account is in the Recycle Bin
1211018	Holder not found
1211019	SRM does not exist
1211020	Tax refund in profit accumulation
1211021	Account not found
1211022	Cash account not found
1211023	Security not unique
1211024	Account number not unique

13.16 Address (error codes)

Address	
Code	Description
1300100	No master data action
1300101	No address type

Address	
Code	Description
1300102	No number
1300103	Number too long
1300104	Zone too long
1300105	Last name too long
1300106	First name too long
1300107	Title too long
1300108	Salutation too long
1300109	Middle name too long
1300110	Organisation too long
1300111	Address (street) too long
1300112	Postcode too long
1300113	Town/city too long
1300114	Country too long
1300115	Address (street) 2 too long
1300116	Postcode 2 too long
1300117	Town/city 2 too long
1300118	Country 2 too long
1300119	Comment too long
1300120	Tax ID too long
1300121	Private phone number too long

Address	
Code	Description
1300122	Business phone number too long
1300123	Private phone number 2 too long
1300124	Business phone number 2 too long
1300125	Mobile phone number too long
1300126	Mobile phone number 2 too long
1300127	Fax too long
1300128	Fax 2 too long
1300129	E-mail too long
1300130	E-mail 2 too long
1300131	Advisor number too long
1300132	Advisor number missing
1300133	Advisor number not empty
1301000	No advisor number specified in the advisor address
1311001	No advisor number specified although the address type indicates an advisor
1311002	Error when resolving references
1311003	Zone not found
1311004	Holder number not unique
1311005	Associated portfolio was not found
1311006	Associated account was not found

Address	
Code	Description
1311007	Associated holder was not found
1311008	Holder and advisor do not exist and no address details specified.
1311009	Unknown error (in the external/internal processor)

13.17 User-defined field (error codes)

User-defined fields	
Code	Description
1400100	No number in data record
1400101	Number of names and values differs
1400102	No name in data record
1400103	No type in data record
1400104	No action for user-defined fields
1400105	Number too long
1400106	Zone too long
1400107	Sort code too long
1400108	Security too long
1400109	Trading venue too long
1400110	ISIN too long
1400111	DEWKN too long
1400112	Valor number too long

User-defined fields	
Code	Description
1400113	OEWKN too long
1400114	SRM too long
1400115	Price for underlying too long
1400116	Underlying too long
1400117	ISIN of underlying too long
1400118	DEWKN of underlying too long
1400119	Valor number of underlying too long
1400120	OEWKN of underlying too long
1400121	SRM of underlying too long
1400122	Field name too long
1400123	Field name without field content
1400124	Field content without field name
1400125	Security too short
1400126	Underlying too short
1400127	ISIN too short
1400128	DEWKN too short
1400129	Valor number too short
1400130	OEWKN too short
1400131	ISIN of underlying too short
1400132	DEWKN of underlying too short

User-defined fields	
Code	Description
1400133	Valor number of underlying too short
1400134	OEWKN of underlying too short
1400135	Trading venue too short
1400136	Not enough information for referencing the security
1400137	Not enough information for referencing the account
1400138	Not enough information for referencing the safekeeping account
1400139	BIC too long
1400140	Reference of safekeeping account too long
1400141	Sort code too long
1400142	IBAN too long
1400143	Market Identifier Code (MIC) too long
1400144	MDP trading venue too long
1400145	OTC trading venue too long
1400146	Market Identifier Code (MIC) too short
1400147	MDP trading venue too short
1400148	OTC trading venue too short
1400149	Account reference missing
1400150	Safekeeping account reference missing
1400151	Securities reference type missing (then "WKN" or "ISIN" are used as reference)

User-defined fields	
Code	Description
1411000	Associated securities account was not found
1411001	Associated account is not unique
1411002	Associated group was not found
1411003	Associated holder was not found
1411004	Associated account was not found
1411005	Associated portfolio was not found
1411006	Associated security was not found
1411007	Error when resolving references
1411008	It was not possible to create the field (only changing possible)
1411009	It was not possible to delete the field (only changing possible)
1411010	It was not possible to import the field, because no user-defined field was created for the object
1411011	Field could not be imported because SRM does not exist
1411012	Field could not be imported because person does not exist
1411013	Specified zone not correct
1411014	Unknown error (external-internal)
1411015	Value for user-defined field does not match the type
1411016	Value for user-defined field longer than defined in the declaration
1411017	Declaration of user-defined field missing
1411018	Declaration of the user-defined field does not match the type

User-defined fields	
Code	Description
1411019	Security not unique

13.18 Kickback (error codes)

Kickback	
Code	Description
1500100	No date specified
1500101	No securities account specified
1500102	No amount specified
1500103	No transaction number specified
1500104	End date before start date
1500105	Start date or end date missing
1500106	No kickback type specified
1500107	Transaction number too long
1500108	No kickback currency specified
1500109	"Safekeeping account number" too long
1500110	"Safekeeping account – bank – sort code" field too long
1500111	Amount too long
1500112	Comment too long
1500113	Not enough information for referencing the securities account
1500114	Security too long

Kickback	
Code	Description
1500115	ISIN too long
1500116	DEWKN too long
1500117	Valor number too long
1500118	OEWKN too long
1500119	SRM too long
1500120	Price for underlying too long
1500121	Exchange rate too long
1500122	Underlying too long
1500123	ISIN of underlying too long
1500124	DEWKN of underlying too long
1500125	Valor number of underlying too long
1500126	OEWKN of underlying too long
1500127	SRM of underlying too long
1500128	Security quote reference (in the "SecurityQuoteRefField" field) too long
1500129	Quote currency too long
1500130	Security too short
1500131	Underlying too short
1500132	Security quote reference (in the "SecurityQuoteRefField" field") too short
1500133	ISIN too short

Kickback	
Code	Description
1500134	DEWKN too short
1500135	Valor number too short
1500136	OEWKN too short
1500137	Exchange rate too short
1500138	ISIN of underlying too short
1500139	DEWKN of underlying too short
1500140	Valor number of underlying too short
1500141	OEWKN of underlying too short
1500142	Quote currency too short
1500143	Securities reference type missing (then "WKN" or "ISIN" are used as reference)
1511000	Securities account for the kickback cancellation not found
1511001	Original for the kickback cancellation not found
1511002	Securities account not found
1511003	Currency not found
1511004	Security not found
1511005	Securities account is in the historical zone
1511006	Securities account is in Recycle Bin
1511007	Securities account not unique
1511008	SRM does not exist

Kickback	
Code	Description
1511009	Unknown error (external-internal)

13.19 Tranche (error codes)

Tranche	
Code	Description
1600100	No date
1600101	No tax currency
1600102	No master data action
1600103	No securities account information
1600104	No transaction number
1600105	Transaction number too long
1600106	No market value
1601000	Sum of the tranche nominal values \neq incoming delivery nominal value
1611000	Securities account not found
1611001	Tranche set does not contain a single tranche
1611002	Associated orders not found
1611003	Currency not found in tranche
1611004	Unknown error (external-internal)

13.20 Portfolio (error codes)

Portfolio	
Code	Description
1700100	Portfolio number missing
1700101	Portfolio name too long
1700102	Portfolio number too long
1700103	No master data action
1700104	Profile key without validity date
1700105	Portfolio number missing
1700106	Parent object missing
1700107	Parent object too long
1700108	Profile key too long
1711000	Portfolio is not unique
1711001	Error when resolving references
1711002	Associated holder was not found
1711003	Portfolio does not exist
1711004	Unknown error (external-internal)
1711005	Portfolio in Recycle Bin

13.21 Reconciliation (error codes)

Reconciliation	
Code	Description
1810100	No account number (balance)
1810101	No reference number (balance)
1810102	No target value (balance)
1811000	Security without currency

13.22 Order book (error codes)

Order book	
Code	Description
1900100	Number missing
1900101	Number too long
1900102	Order book action missing
1900103	Order book action has an unknown type - possible values: create; modify; modify+; fill; clear; cancel; acknowledge
1900104	Unknown type
1900105	Transaction type is missing
1900106	Unknown transaction type
1900107	ISIN too long
1900108	DEWKN too long
1900109	Valor number too long
1900110	OEWKN too long

Order book	
Code	Description
1900111	Unknown security type
1900112	ISIN of the underlying for futures and options too long
1900113	DEWKN of the underlying for futures and options too long
1900114	Valor number of the underlying for futures and options too long
1900115	OEWKN of the underlying for futures and options too long
1900116	Unknown type for underlying price of option
1900117	Underlying price of option too long
1900118	Unknown option type
1900119	Unknown type for maturity of futures or options
1900120	Trading venue (F&O) too long
1900121	Unknown trading venue type
1900122	"Cross-rate ticker" has unknown type
1900123	Safekeeping account missing
1900124	Safekeeping account too long
1900125	Sort code of safekeeping account too long
1900126	BIC of safekeeping account too long
1900127	Branch number of safekeeping account too long
1900129	Account number of settlement account too long
1900130	IBAN of settlement account too long
1900131	Sort code of settlement account is too long

Order book	
Code	Description
1900132	BIC of settlement account too long
1900133	Branch number of settlement account too long
1900134	Specified currency of settlement account too long
1900135	Depository of settlement account too long
1900136	"F&O short/long" field has unknown type
1900137	"Number" field has unknown type
1900138	"Number" field too long
1900139	"Number executed" field has unknown type
1900140	"Number executed" field too long
1900141	"Number settled" field has unknown type
1900142	"Number settled" field too long
1900143	"Status" field has unknown type
1900144	"FillStatus" field has unknown type
1900145	"ClearingStatus" field has unknown type
1900146	Trading venue too long
1900147	Currency too long
1900148	Comment too long
1900149	Order reference number too long
1900150	SRM too long
1900151	SRM underlying too long

Order book	
Code	Description
1900152	External order information too long
1900153	"Security" field too long
1900154	"Underlying" field too long
1900155	"Securities account" field too long
1900156	"Account" field too long
1900157	"Bank" field too long
1900158	Currency too long
1900159	Exchange rate too long
1900160	Quantities not correct
1900161	Status condition not satisfied
1900162	"Status" field missing
1900163	Securities account number missing
1900164	Account number missing
1900165	Field for referencing the security missing
1900166	"Status" field not empty
1900167	"FillStatus" field not empty
1900168	"ClearingStatus" field not empty
1900169	"Quantity" field missing
1900170	"Account" field too short
1900171	"Securities account" field too short

Order book	
Code	Description
1900172	"Security" field too short
1900173	"Underlying" field too short
1900174	Security quote reference (in the "SecurityQuoteRefField" field) too short
1900175	BIC too short
1900176	IBAN too short
1900177	Account currency too short
1900178	BIC of safekeeping account field too short
1900179	ISIN too short
1900180	DEWKN too short
1900181	Valor number too short
1900182	OEWKN too short
1900183	Exchange rate too short
1900184	ISIN of underlying too short
1900185	DEWKN of underlying too short
1900186	Valor number of underlying too short
1900187	OEWKN of underlying too short
1900188	Currency too short
1900189	Trading venue too short
1900190	Trading venue quote too long
1900191	Trading venue quote too short

Order book	
Code	Description
1900192	Market Identifier Code (MIC) too long
1900193	MDP trading venue too long
1900194	OTC trading venue too long
1900195	Market Identifier Code (MIC) too short
1900196	MDP trading venue too short
1900197	OTC trading venue too short
1900198	Currency missing
1911000	Order status and quantity not found
1911001	Saving order status and quantity unsuccessful
1911002	Block order status and quantity not found
1911003	Saving block order status and quantity unsuccessful
1911004	Order book entry inconsistent
1921000	Securities account not found
1921001	ID for order book entry not found
1921002	Unknown error (external-internal)
1921003	Security not found

13.23 Folder (error codes)

Folders	
Code	Description
2100100	Name missing
2100101	Invalid parent type
2100102	Name too long
2100103	Number too long
2100104	No master data action
2100105	Parent object name too long
2100106	Zone name too long
2111000	Parent object is in the historical zone
2111001	Folder is already in the historical zone
2111002	Parent object is in Recycle Bin
2111003	Parent object not found
2111004	Group to be changed does not exist
2111005	Invalid parent type
2111006	Unknown error (external-internal)

13.24 Security Reference Mapping (error codes)

Security Reference Mapping (SRM)	
Code	Description
2200100	Bank code too long

Security Reference Mapping (SRM)	
Code	Description
2200101	Missing or invalid bank code type
2200102	Name missing
2200103	Not enough information for referencing the security
2200104	"Security" field missing
2200105	Action missing
2200106	"Security" field too long
2200107	ISIN too long
2200108	DEWKN too long
2200109	Valor number too long
2200110	OEWKN too long
2200111	Price for underlying too long
2200112	Exchange rate too long
2200113	"Underlying" field too long
2200114	ISIN of underlying too long
2200115	DEWKN of underlying too long
2200116	Valor number of underlying too long
2200117	OEWKN of underlying too long
2200118	Security quote reference (in the "SecurityQuoteRefField" field) too long
2200119	Currency too long
2200120	Trading venue too long

Security Reference Mapping (SRM)	
Code	Description
2200121	"Security" field too short
2200122	"Underlying" field too short
2200123	Security quote reference (in the "SecurityQuoteRefField" field) too short
2200124	ISIN too short
2200125	DEWKN too short
2200126	Valor number too short
2200127	OEWKN too short
2200128	Exchange rate too short
2200129	ISIN of underlying too short
2200130	DEWKN of underlying too short
2200131	Valor number of underlying too short
2200132	OEWKN of underlying too short
2200133	Currency too short
2200134	Trading venue too short
2200135	Market Identifier Code (MIC) too long
2200136	MDP trading venue too long
2200137	OTC trading venue too long
2200138	Market Identifier Code (MIC) too short
2200139	MDP trading venue too short

Security Reference Mapping (SRM)	
Code	Description
2200140	OTC trading venue too short
2211000	Security for exchange not found
2211001	Unknown error (external-internal)
2211002	SRM is duplicated

13.25 Position injection (error codes)

Position Injection (PI)	
Code	Description
2300100	Securities account number not specified
2300101	Not enough information for referencing the security
2300102	No position specified
2300103	Pooling factor specified but security type is not a bond
2300104	Pooling factor is negative
2300105	Safekeeping account reference field too long
2300106	Securities account number too long
2300107	Name of custodian bank too long
2300108	Postcode of custodian bank too long
2300109	BIC of custodian bank too long
2300110	Branch number of custodian bank too long
2300111	"Security" field too long

Position Injection (PI)	
Code	Description
2300112	ISIN too long
2300113	DEWKN too long
2300114	Valor number too long
2300115	OEWKN too long
2300116	SRM too long
2300117	Price for underlying too long
2300118	Exchange rate too long
2300119	Investment target value too long
2300120	Purchase price too long
2300121	Accrued interest too long
2300122	Interim profit too long
2300123	Pooling factor too long
2300124	Currency too long
2300125	Safekeeping account reference field too short
2300126	"Security" field too short
2300127	BIC of custodian bank too short
2300128	ISIN too short
2300129	DEWKN too short
2300130	Valor number too short
2300131	OEWKN too short

Position Injection (PI)	
Code	Description
2300132	Exchange rate too short
2300133	Currency too short
2311000	Security not found
2311001	Securities account not found
2311002	Securities account is in Recycle Bin
2311003	Pooling factor is not specified but security type is bond without pooling factor
2311004	Unknown error (external-internal)
2311005	Currency not found

13.26 Info (error codes)

Info	
Code	Description
2400100	No status in info data record
2411000	Unknown error (external-internal)

13.27 Balance injection (error codes)

Balance Injection (BI)	
Code	Description
2500100	No account number specified
2500101	No account currency specified

Balance Injection (BI)	
Code	Description
2500102	No balance specified
2500103	Balance target value too long
2500104	Account reference too long
2500105	Account number too long
2500106	Bank name too long
2500107	Sort code too long
2500108	BIC too long
2500109	Branch number too long
2500110	Account currency too long
2500111	IBAN too long
2500112	Not enough information for referencing the account
2500113	Account referent too short
2500114	BIC too short
2500115	Account currency too short
2500116	IBAN too short

13.28 AddressEx (error codes)

AddressEx	
Code	Description
2600100	No master data action

AddressEx	
Code	Description
2600101	No address type
2600102	No number
2600103	Number too long
2600104	Zone too long
2600105	Last name too long
2600106	First name too long
2600107	Title too long
2600108	Salutation too long
2600109	Middle name too long
2600110	Organisation too long
2600111	Address (street) too long
2600112	Postcode too long
2600113	Town/city too long
2600114	Country too long
2600115	Address (street) 2 too long
2600116	Postcode 2 too long
2600117	Town/city 2 too long
2600118	Country 2 too long
2600119	Comment too long
2600120	Tax ID too long

AddressEx	
Code	Description
2600121	Private phone number too long
2600122	Business phone number too long
2600123	Private phone number 2 too long
2600124	Business phone number 2 too long
2600125	Mobile phone number too long
2600126	Mobile phone number 2 too long
2600127	Fax too long
2600128	Fax 2 too long
2600129	E-mail too long
2600130	E-mail 2 too long
2611000	Unknown error (external-internal)
2611001	Holder does not exist
2611002	Portfolio does not exist

13.29 Advisor (error codes)

Advisor	
Code	Description
2700000	Advisor number missing
2700001	Advisor number too long
2700002	Action missing

Advisor	
Code	Description
2700003	Portfolio number too long
2700004	Holder number too long
2700005	Advisor area too long
2700006	Advisor area ID too long
2700007	Comment too long
2711000	Unknown error (external-internal)
2711001	Advisor not found
2711002	Holder not found
2711003	Portfolio not found
2711010	Inconsistent internal data

13.30 Person (error codes)

Person	
Code	Description
2800000	Person number missing
2800001	Action missing
2800002	Person number too long
2800003	Last name too long
2800004	First name too long
2800005	Middle name too long

Person	
Code	Description
2800006	Name affix too long
2800007	Name suffix too long
2800008	Title too long
2800009	Degree too long
2800011	ID card number too long
2800012	"Created on" field too long
2800013	"Nationality" field too long
2800014	Occupation too long
2800015	Comment too long
2800016	Tax ID number too long
2800017	Birthplace too long
2811000	Unknown error (external-internal)
2811001	Unknown error (internal)
2811002	Inconsistent internal data

13.31 Person link (error codes)

Person link	
Code	Description
2900000	Contract number missing
2900001	Person number missing

Person link	
Code	Description
2900002	Holder number missing
2900003	"Valid from" field missing
2900004	Link type missing
2900005	Contract number too long
2900006	Person number too long
2900007	Holder number too long
2900008	Comment too long
2900009	"Valid from" to "Valid to"
2911000	Unknown error (external-internal)
2911001	Unknown error (internal)
2911002	Holder not found

13.32 Prospect (error codes)

Prospect	
Code	Description
3100000	Name too long
3100001	Parent object too long
3100002	Prospect number too long
3100003	Analysis currency too long
3100004	Flat-rate savings allowance too long

Prospect	
Code	Description
3100005	Loss carried forward for spec. gains too long
3100006	Loss carryforward for equities too long
3100007	Loss carryforward for capital too long
3100008	Tax rate too long
3100009	Church tax too long
3100010	Church tax of spouse too long
3100011	Church tax deduction too long
3100012	Church tax deduction of spouse too long
3111000	Unknown error (external-internal)

13.33 FOREX (error codes)

FOREX	
Code	Description
3200100	Forex field missing
3200101	Forex field too long
3200102	Forex field not empty
3200103	Forex field too short
3200104	"First leg" currencies differ
3200105	"Second leg" currencies differ
3211000	Unknown error (external-internal)

FOREX	
Code	Description
3211001	Deletion without original
3211002	Account not found















13.34 General error codes (error codes)

General error codes	
Code	Description
2011000	Exceptions (PSI)
2011001	VPB converter error
2011002	Outdated type (PSI)
2011003	Unknown type (PSI)
2011004	Unknown type (PSI)
2011005	Unknown default zone (PSI)
2011006	Exceptions (interpreter)

14 Interface-specific documentation

Here you can download the individual parts of the documentation for the individual interfaces as PDF files (in German).

PSI Transaction Data	
File	Download
PSI Transaction Data Augsburger Aktienbank	? Unknown Attachment
PSI Transaction Data Augsburger Aktienbank Inhouse	? Unknown Attachment
PSI Transaction Data Baader Bank	? Unknown Attachment
PSI Transaction Data Bankhaus Metzler	? Unknown Attachment
PSI Transaction Data Banque de Luxembourg	? Unknown Attachment
PSI Transaction Data Basler Kantonalbank	? Unknown Attachment
PSI Transaction Data Berenberg Bank	? Unknown Attachment
PSI Transaction Data Bethmann Bank	? Unknown Attachment
PSI Transaction Data comdirect bank	? Unknown Attachment
PSI Transaction Data Consorsbank PPCI	? Unknown Attachment
PSI Transaction Data Deutsche Bank	? Unknown Attachment
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PSI Transaction Data Julius Bär	 Unknown Attachment
PSI Transaction Data LGT Bank	 Unknown Attachment
PSI Transaction Data LLB - Liechtensteinische Landesbank	 Unknown Attachment
PSI Transaction Data Lombard Odier	 Unknown Attachment
PSI Transaction Data navAXX	 Unknown Attachment
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