

Portfolio

Table of Contents

- [Description](#)
- [Examples](#)
- [Cookbook](#)
- [F.A.Q.](#)
- [API Documentation](#)

Description

Financial meaning

Portfolio refers to a collection of financial assets. Portfolios are held directly by investors and/or managed by financial professionals. Effective portfolio management involves diversification, asset allocation, and regular performance monitoring to optimize returns and manage risks.

Platform abstraction

Portfolio in Finmars platform is a container for financial assets (cash ([currency](#)) & [instruments](#)) allocation.

Portfolio also is used in:

- [performance](#) calculation with its [registers](#) grouped in [bundles](#)
- [reconciliation](#) using special [portfolio type](#) and [portfolio reconcile group](#).

Examples

User code	Portfolio Type	Name	Short name	Public name	Notes	First Transaction Date	First Cash Flow Date	Accounts	Transaction types	Responsibles	Counterparties
obl01	Manual	Bonds	Bonds	Bonds	-	2022-12-01	2022-12-01				

- **User code**: workspace unique identifier of the portfolio with source prefix as it's multi-source entity

- **Portfolio Type**: configuration-defined criterion for reconciliation
- **Name**: full name
- **Short name**: short name, showed in other relations
- **Public name**: public view name for users without access
- **Notes**: custom description for portfolio
- **First Transaction Date**: date of the first transaction in the portfolio (changes by the logic described below)
- **First Cash Flow Date**: date of the first transaction in the portfolio for base transaction class == **Cash-Inflow** or **Cash-Outflow** (changes by the logic described below)
- **Accounts**: (not strict, informative) selected accounts that can be used for this portfolio
- **Transaction types**: (not strict, informative) selected transaction types that can be used for this portfolio
- **Responsibles**: (not strict, informative) selected responsables that can be used for this portfolio
- **Counterparties**: (not strict, informative) selected counterparties that can be used for this portfolio

Portfolio has 2 attributes **First Transaction Date** and **First Cash Flow Date** which are used for performance calculations with workflow and performance report and the logic for them is defined below:

Logic for defining **First Transaction Date** & **First Cash Flow Date** based on complex transactions:

- Portfolio entity has 2 properties:
 - first_transcation_date** (name = **First transaction date**, value = **null**)
 - first_cash_flow_date** (name = **First cash flow date**, value = **null**)
- For complex transaction CRUD operations For each base transaction** in the complex transaction:
 - if **Book**
 - if base transaction class == **Cash-Inflow** or **Cash-Outflow**
 - if **trade_date** < **first_cash_flow_date**
 - first_cash_flow_date** = **trade_date**
 - if **trade_date** < **first_transcation_date**
 - first_transcation_date** = **trade_date**
 - if **Rebook !!!**
 - if base transaction class == **Cash-Inflow** or **Cash-Outflow**
 - if **new** **trade_date** < **first_cash_flow_date**
 - first_cash_flow_date** = **trade_date**
 - else
 - if **old** **trade_date** == **first_cash_flow_date**
 - first_cash_flow_date** = find new **first_cash_flow_date**
 - if **new** **trade_date** < **first_transcation_date**
 - first_transcation_date** = **trade_date**
 - else
 - if **old** **trade_date** == **first_transcation_date**

1. `first_transcation_date` = find new `first_transcation_date`
3. if **Delete**
 1. if base transaction class == `Cash-Inflow` or `Cash-Outflow`
 1. if `trade_date` == `first_cash_flow_date`
 1. if true `first_cash_flow_date` = find new `first_cash_flow_date`
 2. if `trade_date` == `first_transcation_date`
 1. if true `first_transcation_date` = find new `first_transcation_date`

Cookbook

CRUD

- **Create:** [How to Create a Portfolio Entity](#)
- **Read:** [How to Read a Portfolio Entity](#)
- **Update:** [How to Update a Portfolio Entity](#)
- **Delete:** [How to Delete a Portfolio Entity](#)

Use Cases

- Within a portfolio, transactions and instrument positions are grouped using **registers**, which feed into bundles and ultimately affect portfolio-level calculations and reporting.
- Auto-populated fields such as **First Transaction Date** and **First Cash Flow Date** are critical inputs for internal workflows, audit tracking, and performance evaluation logic.
- Leverage the **Portfolio Type** field to define reconciliation logic and reporting behavior (e.g., General, Manual, or Position Only).

F.A.Q.

Frequently asked questions.

API documentation

[Link to API documentation.](#)

Revision #14

Created 15 July 2024 19:23:01 by Sergei Osipov

Updated 4 May 2025 17:47:11 by Anna Kostiv