

Peter Gustafson
writing sample
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Implementing saving plans · Upvest API Documentation
In this chapter, you will learn how to implement savings plans with the Investments API.

Prerequisites

Please note the following preconditions in order to successfully implement savings plans:

- * Creating a savings plan for one of your users requires an active account.
- * The user's portfolio account must already have been configured for a portfolio savings plan.

1\ Creating savings plans

The savings plan endpoint allows you to flexibly configure savings plan intervals – for example, your users can choose monthly automatic investments or individual intervals that best suit their needs.

You can create a savings plan for individual instruments as well as for a portfolio.

WARNING

Please note that you cannot create a savings plan for a single instrument for a portfolio account.

To create a portfolio savings plan, proceed as follows:

****POST**** [`/savings_plans``](<https://docs.upvest.co/api/Savings-Plans#create-savings-plan>)

Portfolio savings plan

In this example, a portfolio savings plan is created that executes recurring buy orders of € 100 once a week from July 24.

****Example request portfolio savings plan****

****Expand example****

```
```\n{\n
```

```
"user_id": "4b9732bd-7496-491-8a5f-6360479d7fed",
"account_id": "00ef0be8-d564-43af-b3c7-11b7a2188030",
"type": "PORTFOLIO",
"cash_amount": "100.00",
"currency": "EUR",
"start_date" : "2023-07-24",
"period": "WEEK",
"interval" : "1"
}
...

```

### ### Single instruments savings plan

Instrument savings plans are executed as individual orders.

In this example, a savings plan is created that executes recurring weekly buy orders of €100 for a specific ETF starting on July 24.

**\*\*Example request instruments savings plan\*\***

**\*\*Expand example\*\***

```
...
{
 "user_id": "4b9732bd-7496-491-8a5f-6360479d7fed",
 "account_id": "00ef0be8-d564-43af-b3c7-11b7a2188030",
 "type": "INSTRUMENT",
 "instrument_id": "IE00B0M62058",
 "instrument_id_type": "ISIN",
 "cash_amount": "100.00",
 "currency": "EUR",
 "start_date" : "2023-07-24",
 "period": "WEEK",
 "interval" : "1"
}
...

```

- \* Parameter: user\_id
  - \* Description: Required: The ID of the user.
- \* Parameter: account\_id
  - \* Description: Required: The ID of the account.
- \* Parameter: type
  - \* Description: Required The savings plan type. Possible values: \* PORTFOLIO \* INSTRUMENT

- \* Parameter: instrument\_id
  - \* Description: If type is INSTRUMENT, the ID of the instrument.
- \* Parameter: instrument\_id\_type
  - \* Description: If type is INSTRUMENT, The type of the ID used in the request. Possible values: - ISIN - WKN
- \* Parameter: cash\_amount
  - \* Description: Required: The savings plan amount.
- \* Parameter: currency
  - \* Description: Required: The currency, currently only EUR is allowed.
- \* Parameter: start\_date
  - \* Description: Required: First date of the savings plan execution in the YYYY-MM-DD format.
- \* Parameter: period
  - \* Description: Required: The time unit. Possible values: \* WEEK \* MONTH \* YEAR
- \* Parameter: interval
  - \* Description: Required: The number of periods between executions. Default: 1.

### Configuring the cadence

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This table will help you to define the cadence.

Example configurations:

Cadence	Example configuration
Every day period: "DAY", interval: "1"	start_date: "01.08.2023",
Bi-weekly period: "WEEK", interval: "2"	start_date: "31.07.2023",
Every week period: "WEEK", interval: "1"	start_date: "31.07.2023",
Beginning of the month/ Once a month period: "MONTH", interval: "1"	start_date: "01.08.2023",
Middle of the month period: "MONTH", interval: "1"	start_date: "15.08.2023",

### 2\ Listing a savings plans

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To list all savings plans, submit

**\*\*GET\*\*** [ `/savings\_plans/` ](https://docs.upvest.co/api/Savings-Plans#list-savings-plan)

You can retrieve individual savings plan via

**\*\*GET\*\*** [ `/savings\_plans/{savings\_plan\_id}` ](https://docs.upvest.co/api/Savings-Plans#retrieve-a-savings-plan)

### 3\ . Get savings plans execution

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You can list the executions for a savings plan with the following request:

**\*\*GET\*\*** [ `/savings\_plans/{savings\_plan\_id}/executions` ](https://docs.upvest.co/api/Savings-Plans#list-savings-plan-executions)

Path parameter	Description
-----	-----
savings_plan_id	Required: Specify the ID of the savings plan that you want to retrieve.

To retrieve a single savings plan execution, submit the following request:

**\*\*GET\*\*** [ `/savings\_plans/{savings\_plan\_id}/executions/{savings\_plan\_execution\_id}` ](https://docs.upvest.co/api/Savings-Plans#retrieve-savings-plan-execution)

- \* Path parameter: savings\_plan\_id
  - \* Description: Required: Specify the ID of the savings plan that you want to retrieve.
- \* Path parameter: savings\_plan\_execution\_id
  - \* Description: Required: Specify the ID of the savings plan execution that you want to retrieve.

### **\*\*Example response portfolio savings plan\*\***

```
...
{
 "id": "54b8d84f-5bd0-4e43-bf0f-164388cb4c23",
 "created_at": "2023-07-21T10:00:00.00Z",
 "type": "SAVINGS_PLAN_EXECUTION.NEW",
```

```
"object": {
 "id": "fc34d28e-38f5-49d2-92f6-82acb79098f4",
 "created_at": "2023-07-21T14:10:00.00Z",
 "updated_at": "2023-07-21T15:10:00.00Z",
 "user_id": "4b9732bd-7496-4913-8a5f-6360479d7fed",
 "account_id": "00ef0be8-d564-43af-b3c7-11b7a2188030",
 "savings_plan_id": "c31083c1-1cd3-405f-95d1-f49a37f0e032",
 "order_id": null,
 "cash_amount": "100",
 "currency": "EUR",
 "status": "NEW",
 "type": "PORTFOLIO",
 "execution_date": "2023-07-23"
},
"webhook_id": "cd2e4183-4e62-4e0f-981b-44b594d14610"
}
```

...

#### 4\ Delete a savings plan execution

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If you delete a savings plan execution, all outstanding executions will be cancelled and no new executions will be created.

```
DELETE [`/savings_plans/{savings_plan_id}/executions/
{savings_plan_execution_id}`](https://docs.upvest.co/api/Savings-
Plans#delete-savings-plan-execution)
```