

# Importing Prices & FX Rates

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- [FX Rate Situation from Exante](#)
- [Download Prices to Finmars](#)
- [Transform Prices to Standard Configuration](#)

# Try to get Prices from Exante

Go to `/explorer/workflows/com/finmars/exante-broker/get-prices/test.ipynb`

Configure your Test Script



- Dashboard
- Home
- Reports
- Data
- Transactions
- Valuations
- Import
- Reconciliation

## Explorer

- Create
- Show Invisible Files
- Sync

My Finmars / workflows / com / finmars / exante-broker / get-p

Playbook Save Execute Add Cell

```
52     exante_response_data = response.json()
53
54     for item in exante_response_data:
55         item['date'] = timestamp_to_string(item['timestamp'])
56
57     print(exante_response_data)
58
59     except Exception as e:
60         print('Request error %s' % e)
61         print('Response text %s' % response.text)
62
63
64 def init():
65
66     credentials = vault.get_secret("finmars/itech-1")
67
68     instrument = 'CIFR.NASDAQ'
69     date_from = "2024-09-03"
70     date_to = "2024-09-03"
71
72     get_data(credentials, instrument, date_from, date_to)
73
74 |
75 init()
76
77
78
```

So you need to have Instrument Reference and date period (date\_from and date\_to)

Try to execute it!

```
64 - def init():
65
66     credentials = vault.get_secret("finmars/itech-1")
67
68     instrument = 'CIFR.NASDAQ'
69     date_from = "2024-09-03"
70     date_to = "2024-09-03"
71
72     get_data(credentials, instrument, date_from, date_to)
73
74
75 init()
76
77
78
```

```
[{'close': '3.13', 'high': '3.57', 'low': '3.105', 'open': '3.515', 'timestamp': 1725321600000, 'date': '2024-09-03'}]
```

This is how you could get prices from Exante, probably you will need `close` price

# FX Rate Situation from Exante

Currently there is no way to get Historical End Of Day FX Rates from Exante

You could refer to <https://api-live.exante.eu/api-docs/#tag/Crossrates-API>

But Its some rate during the day of the request

# Download Prices to Finmars

Go to Workflow Page



Dashboard

Home

Reports

Data

Transactions

Valuations

Import

Reconciliation

Finmars Workflow

### Definitions

User Code	Name	Periodic	Role	Run
com.finmars.exante-broker.get-instruments			Worker	
com.finmars.exante-broker.get-positions			Worker	
com.finmars.exante-broker.get-prices			Worker	
com.finmars.exante-broker.get-transactions			Worker	

Execute workflow `com.finmars.exante-broker:get-prices`

Finmars Workflow

### Definitions

User Code	Name	Periodic	Role	Run
com.finmars.exante-broker.get-instruments			Worker	
com.finmars.exante-broker.get-positions			Worker	
com.finmars.exante-broker.get-prices			Worker	
com.finmars.exante-broker.get-transactions			Worker	
com.finmars.exante-data-transformer				
com.finmars.exante-data-transformer				
com.finmars.exante-data-transformer				
com.finmars.standard-workflow:calc				
com.finmars.standard-workflow:calc				
com.finmars.standard-workflow:coll				
com.finmars.standard-workflow:com				
com.finmars.standard-workflow:downlo				

### Payload Information

You are about to run workflow `com.finmars.exante-broker:get-prices`

(optional) Fill the payload here :

```
{
  "date_from": "2024-09-01",
  "date_to": "2024-09-20",
  "instruments": [
    "CIFR.NASDAQ"
  ],
  "secret": "finmars/itech-1"
}
```

Go to see status of your workflow

Finmars

Finmars Workflow

2024-09-28 21:55:14 +02:00

success

Tasks: Total 1 / Success 1 / Error 0

### Task

ID	Key
217	com.finmars.exante-broker.get-prices.task

Great success! You can find your downloaded instrument in `/explorer/data/exante/prices`



- Dashboard
- Home
- Reports
- Data
- Transactions
- Valuations
- Import
- Reconciliation

## Explorer

- Create
- Show Invisible Files
- Sync

My Finmars / data / exante / prices

Search for a ...

<input type="checkbox"/>	Name	Path
<input type="checkbox"/>	📁 CIFR.NASDAQ	data/exante/prices

See content of month folder, it should has list of .json files with actual prices from Exante



- Dashboard
- Home
- Reports
- Data
- Transactions
- Valuations
- Import
- Reconciliation

## Explorer

- Create
- Show Invisible Files
- Sync

My Finmars / data / exante / prices / CIFR.NASDAQ / / 2024 / 09

Search for a ...

<input type="checkbox"/>	Name	Path	Date Modified
<input type="checkbox"/>	📄 2024-09-20.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:19
<input type="checkbox"/>	📄 2024-09-19.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:19
<input type="checkbox"/>	📄 2024-09-18.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:19
<input type="checkbox"/>	📄 2024-09-17.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:19
<input type="checkbox"/>	📄 2024-09-16.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:19
<input type="checkbox"/>	<u>📄 2024-09-15.json</u>	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:19
<input type="checkbox"/>	📄 2024-09-14.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:19
<input type="checkbox"/>	📄 2024-09-13.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:19
<input type="checkbox"/>	📄 2024-09-12.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:18
<input type="checkbox"/>	📄 2024-09-11.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:18
<input type="checkbox"/>	📄 2024-09-10.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:18
<input type="checkbox"/>	📄 2024-09-09.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:18
<input type="checkbox"/>	📄 2024-09-08.json	data/exante/prices/CIFR.NASDAQ//2024/09	2024-09-28 21:55:18
<input type="checkbox"/>	📄 2024-09-07.json	data/exante/prices/CIFR.NASDAQ//2024-09-28	2024-09-28 21:55:18

Example of content:

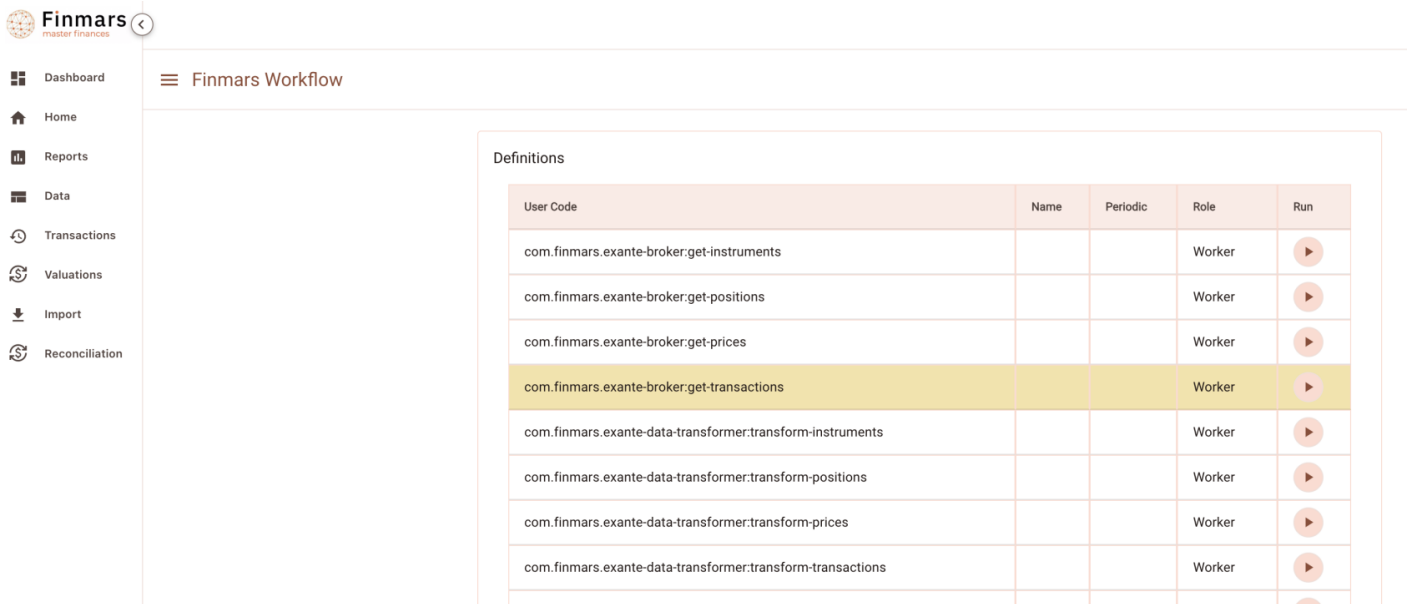
```
[
  {
    "close": "2.925",
    "high": "2.985",
    "low": "2.865",
    "open": "2.94",
    "timestamp": 1726790400000,
    "date": "2024-09-20",
    "instrument": "CIFR.NASDAQ"
  }
]
```

Now see `com.finmars.exante-data-transformer`, it should have Price transformer to Finmars Standard Configuration

# Transform Prices to Standard Configuration

Precondition: You downloaded some Positions from Exante (Check your `/explorer/data/exante/prices` folder)

Go to Workflow Page



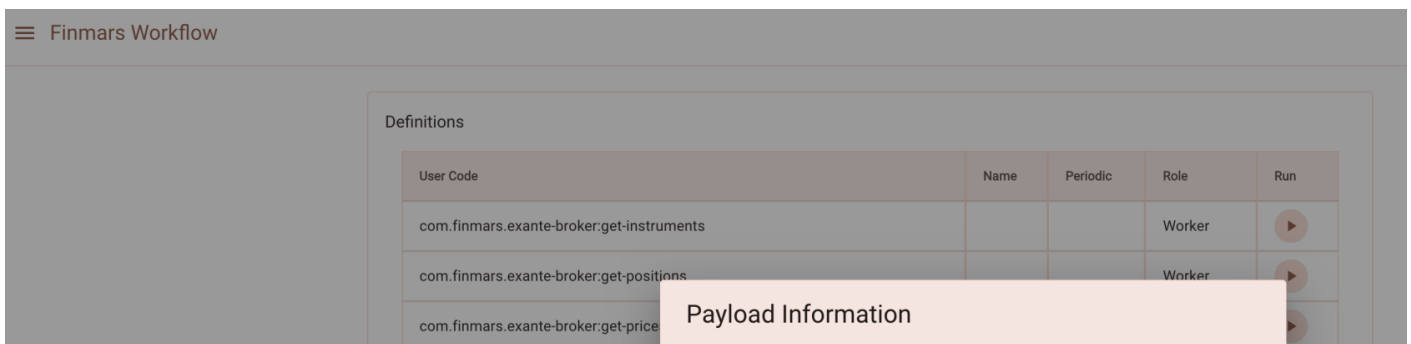
The screenshot shows the Finmars Workflow interface. On the left is a navigation menu with items: Dashboard, Home, Reports, Data, Transactions, Valuations, Import, and Reconciliation. The main area is titled 'Finmars Workflow' and contains a 'Definitions' table.

User Code	Name	Periodic	Role	Run
com.finmars.exante-broker.get-instruments			Worker	▶
com.finmars.exante-broker.get-positions			Worker	▶
com.finmars.exante-broker.get-prices			Worker	▶
com.finmars.exante-broker.get-transactions			Worker	▶
com.finmars.exante-data-transformer.transform-instruments			Worker	▶
com.finmars.exante-data-transformer.transform-positions			Worker	▶
com.finmars.exante-data-transformer.transform-prices			Worker	▶
com.finmars.exante-data-transformer.transform-transactions			Worker	▶

Execute `com.finmars.exante-data-transformer:transform-prices`

Example Payload

```
{
  "date_from": "2024-09-01",
  "date_to": "2024-09-20",
  "instruments": [
    "CIFR.NASDAQ"
  ]
}
```



This screenshot is a darker version of the previous one, showing the same 'Definitions' table. A tooltip titled 'Payload Information' is overlaid on the bottom right of the table.

# Check you Task status

The screenshot shows the Finmars Workflow interface. On the left is a navigation menu with options: Dashboard, Home, Reports, Data, Transactions, Valuations, Import, Reconciliation, Journal, and Settings. The main area displays a notification for a successful task: 'com.finmars.exante-data-transformer:transform-prices.task success'. To the right, a task details panel shows the task ID (221), key, status (SUCCESS), and creation time (2024-09-28 22:07:35 +02:00). Below this is a log of file processing operations for various dates from 2024-09-01 to 2024-09-06, all marked as successful. A 'Result' section is also visible at the bottom of the task details.

Great work! Now you can see your converted prices in `/explorer/data/general/prices`

The screenshot shows the Finmars Explorer interface. The left navigation menu is the same as in the previous screenshot. The main area is titled 'Explorer' and contains buttons for 'Create', 'Show Invisible Files', and 'Sync'. Below these is a breadcrumb path: 'My Finmars / data / general / prices'. A search bar is present with the text 'Search for a ...'. Below the search bar is a table listing files:

<input type="checkbox"/>	Name	Patf
<input type="checkbox"/>	exante_cifr_nasdaq_2024-09-01_2024-09-20.json	data/gen

Content Example:

```
[
  {
    "date": "2024-09-03",
    "instrument": "US17253J1060",
    "principal_price": 3.13,
    "factor": 1,
    "accured_price": 0,
    "prc_pol": null
  },
  {
    "date": "2024-09-04",
    "instrument": "US17253J1060",
    "principal_price": 3.015,
    "factor": 1,
    "accured_price": 0,
    "prc_pol": null
  }
]
```

Well done! This file will go to STD - Prices (com.finmars.standard-import-from-file:instruments.pricehistory:price)

You can try manually import that data in Finmars (do not forget wrap Dictionary into List - Square Brackets [ ] )

**Finmars** master finances Import: Data

Dashboard Home Reports Data Transactions Valuations Import Reconciliation

Entity

**STD - Prices**

Load From File

JSON

```
[
  {
    "date": "2024-09-03",
    "instrument": "US17253J1060",
    "principal_price": 3.13,
    "factor": 1,
    "accured_price": 0,
    "prc_pol": null
  },
  {
    "date": "2024-09-04",
    "instrument": "US17253J1060",
    "principal_price": 3.015,
    "factor": 1,
    "accured_price": 0,
    "prc_pol": null
  }
]
```

Well done!

Entity

Import scheme

Load From File

JSON

Validate Import

Success

Simple Import 2024-09-28-20-18 (Task 202).csv  
Simple Import 2024-09-28-20-18 (Task 202).json

Now go to Valuation - Prices (Entity Viewer)

Valuations: Prices Autosave

Price Layout Search for a ...

ADD FILTER

Groups	Instrument	Date	Pricing policy	Principal price	Accrued price	Modified Date And Time	NAV	YT
	CIFR.NASDAQ	2024-09-0	Standard	3.1300	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-0	Standard	3.0150	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-0	Standard	2.8750	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-0	Standard	2.7050	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-0	Standard	2.9500	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-1	Standard	3.1000	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-1	Standard	3.0900	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-1	Standard	3.0900	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-1	Standard	3.0950	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-1	Standard	3.0300	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-1	Standard	3.0000	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-1	Standard	2.9500	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-1	Standard	2.9650	0.0000	2024-09-28 02:00:00	0.00	
	CIFR.NASDAQ	2024-09-2	Standard	2.9250	0.0000	2024-09-28 02:00:00	0.00	

(14 of 14)

Prices is successfully imported into Finmars!

After that you should be able to see valuation

Report: Balance Autosave

BS CIFR.NASDAQ

ADD FILTER

ISIN/CCY	Instrument	Country	Position	Price	Accrued	Fac...	FX Rate	Exposure ...	Market value
CIFR.NASDAQ	Cipher Mining	United States of Am...	12'600	3.03	0.00	1	1.00	USD	38'178
CIFR.NASDAQ	Cipher Mining	United States of Am...	12'600	3.03	0.00	1	1.00	USD	38'178
CIFR.NASDAQ	Cipher Mining	United States of Am...	91'724	3.03	0.00	1	1.00	USD	277'924

Great success! Well done!