DNEXT API - Code Example - Download a tradeMatrix

Below is a code snippet that can be used to download a tradeflow using the dnext API:

```python
import requests
import pandas as pd
from io import BytesIO
import time
import json


def _get_task_status(task_id, token):
    my_headers = {
        'Authorization': 'Bearer ' + token,
        'Content-Type': 'application/json'
    }

    success = False
    wait_time = 2

    while not success and wait_time < 30:
        time.sleep(wait_time)

        status_res = requests.get(f'https://api.dnext.io/v1.0/tasks/{task_id}', headers=my_headers)

        try:
            success = status_res.json()['status'] == 'SUCCEEDED'
        except:
            wait_time += 1
            continue

        if not success:
            wait_time += 1

    if success:
        return True
    else:
        return False


def download_tradeflow(code, token):

    my_headers = {
        'Authorization': 'Bearer ' + token,
        'Content-Type': 'application/json'
    }

    data = {
        'intraflows': {
            'strategy': 'include', # "include" or "exclude" the intraflows
        },
        'forecasts': {
            'strategy': 'include', # "include" or "exclude" the intraflows
            'list': ["forecast_code"] # List of Forecasts loaded in the tradematrix Order by priority
        },
        'row': True,
        'refresh': False,
        'format': 'csv',
    }
```

```
57     dl_url =
   f'https://api.dnext.io/v1.0/fundamentals/tradeflows/{code}/download'
58
59     res = requests.post(dl_url, headers=my_headers,
   data=json.dumps(data))
60
61     task_id = res.json()['task']['id']
62
63     data_ready = _get_task_status(task_id, token)
64
65     if data_ready:
66         data_url = res.json()['result']['url']
67         data_resp = requests.get(data_url)
68         df = pd.read_csv(BytesIO(data_resp.content))
69
70     else:
71         df = None
72
73     return df
74
75
76 df = download_tradeflow(<tradeflow_code>, <your_token>)
```

you can fetch the TradeMatrix code from the url directly

or from the "Code" column in the list of TradeMatrixes

you can fetch the forecast code from the TradeMatrix by following these steps :

1. click on the forecast button on the top right menu in the TradeMatrix
2. click on "Load"

3. Copy the code within the parentheses that comes after the forecast name in the right panel where the forecasts loaded into the trade matrix are displayed.

Select Forecast

×

59 items   Available

Search here

Forecast
AA Update (stage-team)
AAAAAAAAAAAA (stage-aaaaaaaaaaaaa)
CRUDForecast (stage-crudforecast)
DNEXR - Barley (stage-0cf265ad-4bf9-49a3-9695-0dcb43a4dbfe)
DNEXR - Durum (stage-6519a29e-7734-4110-9745-b6fd0bbb67e27)
DNEXR - Oilseeds (stage-6763132-164c-2555-22bc-ec400d52df)
DNEXR - Rapeseed (stage-922bd4d3-1676-438a-81b8-4a8cda25235f)
DNEXR - RapeseedMeal (stage-51ce782f-4684-48c0-bc78-cdb236512f30)

1/1 item   Selected

Search here

Forecast	Version
DNEXR - Corn (stage-01142ad-6fbb-63f-fec4-63cbfaf0e42)	2025-10-08T07:33.53.545Z updated on (October 21, 2025 11:41 PM)

1

Cancel   Confirm