

## DNEXT API - Code Example - Download a tradeMatrix

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

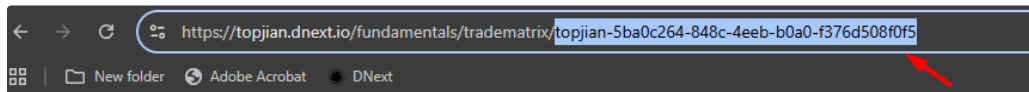
```
1 import requests
2 import pandas as pd
3 from io import BytesIO
4 import time
5 import json
6
7
8 def _get_task_status(task_id, token):
9     my_headers = {
10         'Authorization': 'Bearer ' + token,
11         'Content-Type': 'application/json'
12     }
13
14     success = False
15     wait_time = 2
16
17     while not success and wait_time < 30:
18         time.sleep(wait_time)
19
20         status_res = requests.get(f'https://api.dnext.io/v1.0/tasks/{task_id}',
21 headers=my_headers)
22
23         try:
24             success = status_res.json()['status'] == 'SUCCEEDED'
25         except:
26             wait_time += 1
27             continue
28
29         if not success:
30             wait_time += 1
31
32     if success:
33         return True
34     else:
35         return False
36
37 def download_tradeflow(code, token):
38
39     my_headers = {
40         'Authorization': 'Bearer ' + token,
41         'Content-Type': 'application/json'
42     }
43
44     data = {
45         'intraflows': {
46             'strategy': 'include', # "include" or "exclude" the intraflows
47         },
48         'forecasts': {
49             'strategy': 'include', # "include" or "exclude" the intraflows
```

```

50     'list': ["forecast_code"] # List of Forecasts loaded in the tradematrix Order by
    priority
51     },
52     'row': True,
53     'refresh': False,
54     'format': 'csv',
55 }
56
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”

Rapeseed Meal Trackerflow *Split by destination* *Split by origin* *Month/year* *Season destination* *Reporting view* *Legends* *Download* *Refresh data*

All origins All destinations

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	
<b>Groups</b>													
2014/15	527	393	482	409	405	442	443	378	402	419	420	0	392
2015/16	5190	440	372	435	362	383	433	458	371	447	520	487	483
2016/17	5393	451	446	440	489	418	543	478	482	458	413	456	479
2017/18	6274	479	476	488	512	418	529	628	525	490	530	589	586
2018/19	6477	481	564	574	511	387	392	590	521	504	609	819	584
2019/20	6759	513	564	538	553	473	565	536	598	602	582	609	577
2020/21	7128	682	545	685	594	548	704	655	534	684	564	532	597
2021/22	6719	624	445	508	391	482	619	658	585	640	551	615	620
2022/23	6888	678	691	665	739	632	787	758	778	523	805	842	811
2023/24	6712	618	592	785	811	758	766	815	717	598	751	684	855
2024/25	6380	678	758	740	832	698	672	835	796	755	475	513	418
2025/26	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>China</b>													
2014/15	98	0	10	0	0	0	0	0	0	0	0	0	0
2015/16	490	0	0	0	0	23	44	71	34	30	95	106	70
2016/17	896	35	78	61	63	72	94	80	89	95	47	69	74
2017/18	1383	122	72	124	119	80	115	190	111	78	136	99	146
2018/19	1387	84	140	137	78	69	128	94	135	102	154	127	139
2019/20	1388	83	97	101	88	99	104	162	158	131	137	164	76
2020/21	1591	175	84	162	94	138	149	127	123	167	118	70	123
2021/22	1775	128	78	179	72	137	211	167	153	124	146	177	202
2022/23	1893	190	225	149	176	82	161	156	164	54	183	226	158
2023/24	2176	182	151	238	140	216	182	182	172	149	131	174	240
2024/25	1948	199	180	214	224	158	238	170	71	36	175	170	170
2025/26	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>European Union and UK</b>													
2014/15	0	0	0	0	0	0	0	0	0	0	0	0	0
2015/16	0	0	0	0	0	0	0	0	0	0	0	0	0
2016/17	0	0	0	0	0	0	0	0	0	0	0	0	0
2017/18	0	0	0	0	0	0	0	0	0	0	0	0	0
2018/19	0	0	0	0	0	0	0	0	0	0	0	0	0
2019/20	0	0	0	0	0	0	0	0	0	0	0	0	0
2020/21	0	0	0	0	0	0	0	0	0	0	0	0	0
2021/22	1	0	0	0	0	1	1	0	1	0	0	0	1
2022/23	98	1	1	2	1	1	2	2	2	1	2	1	2

Forecast type (no price) **Forecast** *can't be modified*

No forecast found or the selected forecast can't be modified

[Load](#) [Create](#) [Manage](#)

[Reset changes](#) [Save changes in current version](#) [Publish version and start a new one](#)

- 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

11 items

Search here

- ☐ Forecast
- ☐ DNEXR - Barley (toplan-0c265ad-4b9-49a3-6695-0dc3434d89e)
- ☐ DNEXR - Corn (toplan-01142ad-6fbb-83f-dec4-43ebfafa4e2)
- ☐ DNEXR - Durum (toplan-6519a29e-7734-4110-9745-b69db67e27)
- ☐ DNEXR - Oilsseeds (toplan-6763132-164c-2555-22bc-ec400d52df)
- ☐ DNEXR - Rapeseed (toplan-922bd4d3-167d-438a-81b8-4a8cd25235f)
- ☐ DNEXR - Soft Wheat (toplan-3800aca-d50-58-a307-5fb155dbff)
- ☐ DNEXR - Sugar (toplan-833b0793-c3b0-454d-b409-4038f4acdc18)
- ☐ DNEXR - Sunflower (toplan-f18da87a-242e-4025-8552-4200e4f589e)

1/1 item

Search here

☒ Forecast

☒ DNEXR - RapeseedMeal (toplan-51ce762f-4664-48c3-bc78-89e56517c5)

Version: updated on (March 14, 2025 12:28 PM)

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No forecast found or the selected forecast can't be modified

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