

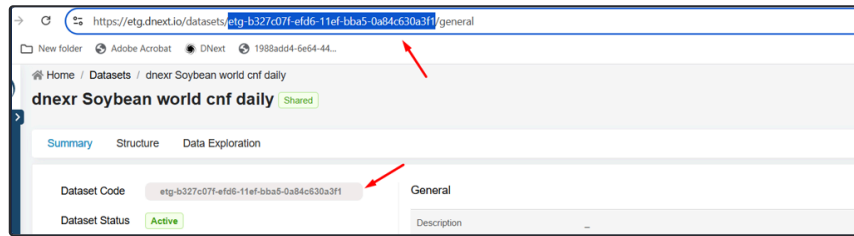
DNEXT API - Code Example - Download a dataset

The below code can be used to download a dataset from the platform:

```
1 import requests
2 import pandas as pd
3 from io import BytesIO
4 import time
5
6
7 def _get_task_status(task_id, token):
8     my_headers = {
9         'Authorization': 'Bearer ' + token,
10        'Content-Type': 'application/json'
11    }
12
13    success = False
14    wait_time = 2
15
16    while not success and wait_time < 30:
17        time.sleep(wait_time)
18
19        status_res =
20        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_dataset(code, token):
38     my_headers = {
39         'Authorization': 'Bearer ' + token,
40         'Content-Type': 'application/json'
41     }
42
43     dl_url =
44     f'https://api.dnext.io/v1.0/data/datasets/{code}/download'
45
46     res = requests.post(dl_url, headers=my_headers)
47
48     task_id = res.json()['task']['id']
49
50     data_ready = _get_task_status(task_id, token)
51
52     if data_ready:
53         data_url = res.json()['result']['url']
54         data_resp = requests.get(data_url)
55         df = pd.read_csv(BytesIO(data_resp.content))
56
57     else:
58         df = None
```

```
59     return df
60
61
62 df = download_dataset(<dataset_code>, <your_token>)
```

You can fetch the dataset code from the url directly



or from the “Code” Column in the list of datasets

shared with it

Search by location... Search by product... Inactive

Shareable	Code	Name	Trigger
<input type="checkbox"/>	<input type="text"/>	soybean	<input type="text"/>
✓	etg-b327c07f-efd6-11ef-bba5-0a84c630a3f1	dnexr Soybean world cnf daily	-
×	etg-4a484baf-518d-40d8-8547-2c43ee456636	Supply And Demand - Item Harves...	-
×	etg-075980c6-3ea0-41a9-99d1-b3986a88e1b6	Supply And Demand - Item Plantin...	-
×	etg-fbb9cfc4-6e2d-486d-9aba-c9abe1abd13e	DNEXR Soybean Panamax World Fr...	-