

User manual Danelfin API 2.0

Updates from 1.4

- *replaced signal field with buy/sell track record signals*
- *add track record signals filter*
- *add industry filter*
- *add sector filter*
- *add GET /industries/{slug} endpoints*
- *add GET /sectors/{slug} endpoints*


Endpoints

Tickers

Currently, historical data is exposed through one endpoint with four query params for filtering:

- Endpoint: <https://apiREST.danelfin.com/ranking>
- METHOD: **GET**
- Query params
 - **date**: a date in YYYY-MM-DD format
 - **ticker**: a ticker unique identifier code string (i.e.: PYPL, AMZN, AAPL)
 - **ticker + date**: a ticker unique identifier code string (i.e.: PYPL, AMZN, AAPL) (only data for that date) plus a date in YYYY-MM-DD format
 - **market**: By default the response is about USA market, but you can specify 'europe' for the tickers in stxx600 universe.
 - **score(type):value + date**: Endpoint supports date + score(aiscore, fundamental, technical, sentiment):value(1-10) params
 - **buy_track_record + date**: Allows to filter tickers with buy track record
 - **sell_track_record + date**: Allows to filter tickers with sell track record
 - **sector + date**: Allows to filter tickers of given sector slug. Sectors are available in /sectors
 - **industry + date**: Allows to filter tickers of given industry slug. Industries are available in /industries
 - **fields**:
 - it is a **comma separated list of fields** to be exported
 - Possible values are:
 - aiscore
 - technical
 - low_risk
 - sentiment
 - fundamental
 - **buy_track_record**
 - **sell_track_record**
 - If **not specified**, to ensure backwards compatibility, **defaults** to
 - aiscore
 - technical
 - low_risk
 - sentiment
 - fundamental

 At least ticker or date are mandatory.

 In requests where only the date is specified, the API response contains only the top 100 titles from our ranking.

Usage

Here are curl examples of API filtering possibilities

- **Ticker historical data**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?ticker=PYPL"
```

- **All data in a day (Top 100 tickers)**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?date=2024-01-02"
```

- **Ticker data in a day**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?date=2024-01-02&ticker=PYPL"
```

- **Value by score type in a day**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?date=2024-01-02&aiscore=10"
```

- **BUY track record in a date**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?date=2024-01-02&buy_track_record=1"
```

- **SELL track record in a date**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?date=2024-01-02&sell_track_record=1"
```

- **Tickers of sector in a date**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?date=2024-01-02&sector=Utilities"
```

- **Tickers of industry in a date**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?date=2024-01-02&industry=banks"
```

- **Custom fields in response**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/ranking?date=2024-01-02&fields=date,ticker,aiscore,fundamental,technical,sentiment,low_risk"
```

Responses

- **400:** In case of no query params are provided, or the combination does not match the specification
- **403:** This happens when x-api-key is not present, when key does not exist in DB, or it exists, but user has not api access granted
- **200:** This happens on any other case, with two possible response content:
 - In case of **ticker** param is **provided**:

```
1 {
2   date: {
3     aiscore: value,
4     fundamental: value,
5     technical: value,
6     sentiment: value,
7     low_risk: value
8   }
```

```
9 }
```

- - In case of **ticker** param is **not provided**:

```
1 {
2   date: {
3     ticker: {
4       aiscore: value,
5       fundamental: value,
6       technical: value,
7       sentiment: value,
8       low_risk: value
9     }
10  }
11 }
```

- - In case select Tickers by **value of score type** and **date**

```
1 {
2   ticker: {
3     aiscore: value,
4     fundamental: value,
5     technical: value,
6     sentiment: value,
7     low_risk: value
8   }
9 }
```

Sectors

List all sectors

- Endpoint: <https://apirest.danelfin.com/sectors>
- METHOD: **GET**

Response

```
1 [
2   {"slug": "communication-services", "scores": null},
3   {"slug": "consumer-discretionary", "scores": null},
4   {"slug": "consumer-staples", "scores": null},
5   {"slug": "energy", "scores": null},
6   {"slug": "financials", "scores": null},
7   {"slug": "health-care", "scores": null},
8   {"slug": "industrials", "scores": null},
9   {"slug": "information-technology", "scores": null},
10  {"slug": "materials", "scores": null},
11  {"slug": "real-estate", "scores": null},
12  {"slug": "utilities", "scores": null}
13 ]
```

Fetch one sector

This returns the historical data of scores and risk

- Endpoint: <https://apiest.danelfin.com/sectors/{slug}>
- METHOD: **GET**

Response

```

1  {
2    "slug": "materials",
3    "scores": [
4      {
5        "date": "2021-07-16",
6        "generalScore": "6",
7        "technicalScore": "5",
8        "fundamentalScore": "6",
9        "sentimentScore": "5",
10       "risk": "6"
11     },
12     ...
13   ]
14 }
```

Usage

Here are curl examples of API sector related endpoints

- **List sectors**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apiest.danelfin.com/sectors"
```

- **Historical scores of a sector**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apiest.danelfin.com/sectors/materials"
```

Industries

List all industries

- Endpoint: <https://apiest.danelfin.com/industries>
- METHOD: **GET**

Response

```

1  [
2    {"slug": "aerospace-defense", "scores": null},
3    {"slug": "air-freight-logistics", "scores": null},
4    {"slug": "airlines", "scores": null},
5    {"slug": "auto-components", "scores": null}
6    ...
7  ]
```

Fetch one industry

This returns the historical data of scores and risk

- Endpoint: <https://apiest.danelfin.com/industry/{slug}>
- METHOD: **GET**

Response

```

1  {
2    "slug": "aerospace-defense",
```

```
3  "scores": [  
4    {  
5      "date": "2021-07-16",  
6      "generalScore": "6",  
7      "technicalScore": "5",  
8      "fundamentalScore": "6",  
9      "sentimentScore": "5",  
10     "risk": "6"  
11   },  
12   ...  
13 ]  
14 }
```

Usage [↗](#)

Here are curl examples of API industry related endpoints

- **List sectors**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/industries"
```

- **Historical scores of a sector**

```
1 $ curl -H 'x-api-key: THE_API_KEY_CREATED' "https://apirest.danelfin.com/industries/aerospace-defense"
```

API KEYS [↗](#)

A key is what grants access to the API Gateway endpoint.

Consists on an alphanumerical string.

It must be passed in requests headers

- **x-api-key:** THE_API_KEY_CREATED