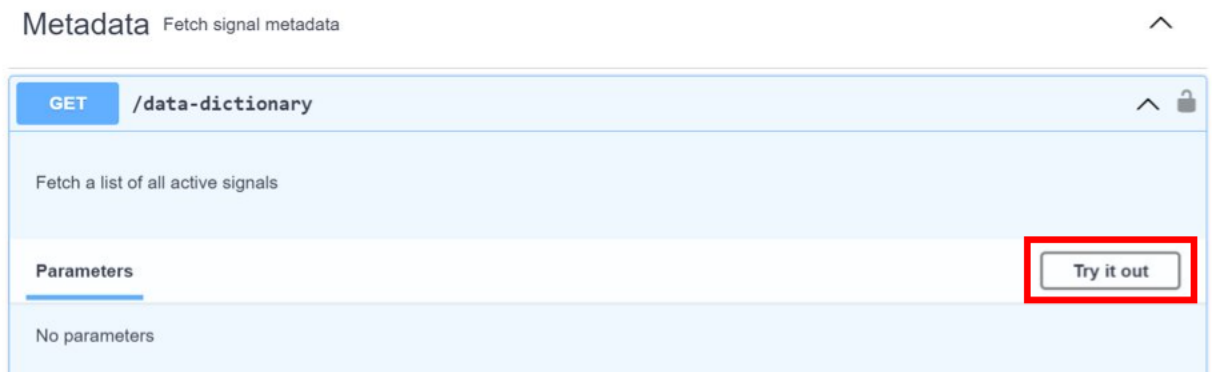


Welcome to the Signals API Developer Portal Page How-To Guide! In this document you will find resources to help you understand how to authenticate with our gateway and make your first API requests to the Signals API to fetch data about the Signals we offer and plug them into our routes to view desired Signals Data.

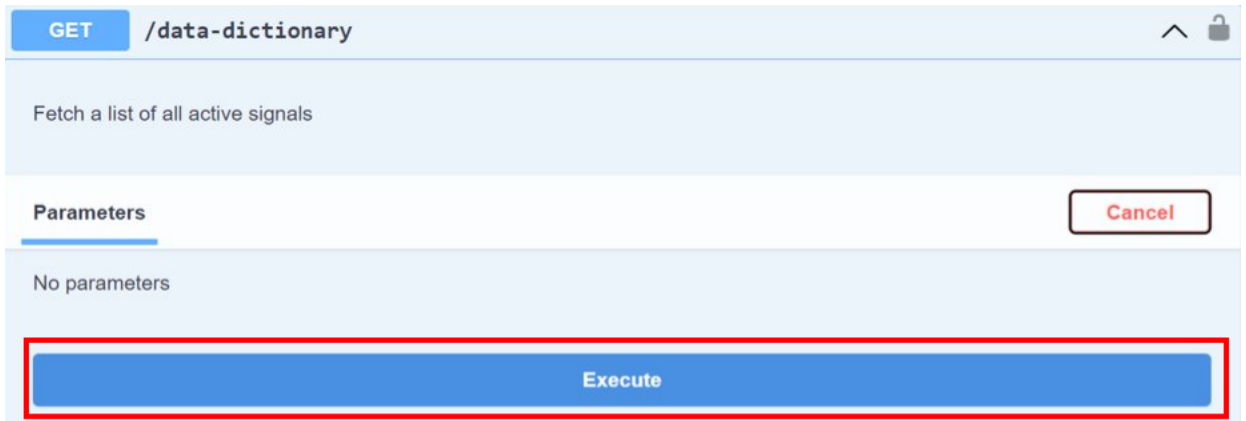
1. Check to see if you are logged into the site. You can tell by checking if your USERNAME-SERIAL is present in the upper right corner of the site. If you are not logged in, log in using your FactSet.net ID.
2. Setup authentication credentials. The Signals API leverages API Keys using Basic HTTP Authentication. Your USERNAME-SERIAL will be used as the username and the API Key you generate will be used as the password. Refer to the [Authentication Guide](#) for a step-by-step process on how to create and manage your API Key.
3. Once you have created an API Key, navigate back to this page.
4. Scroll to the **API Definition** section and click the green **Authorize** button.



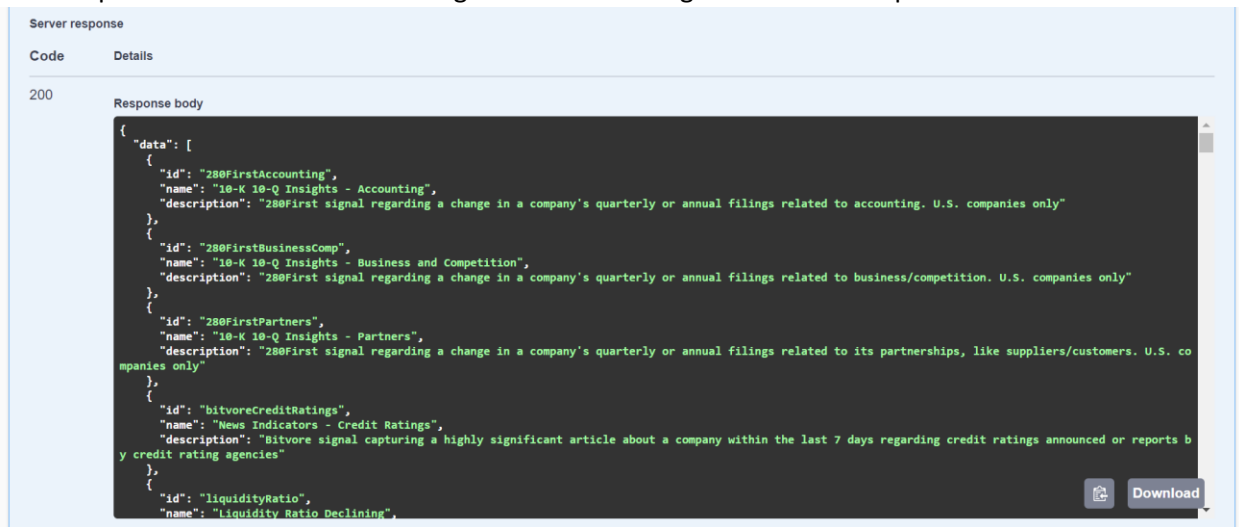
5. Enter your FactSet USERNAME-SERIAL and API key created earlier, then click the green **Authorize** button and close the popup. You should now have authorization to fetch data from the Signals API.
6. To get started with the Signals API, scroll down to the Metadata section, select the **GET data-dictionary** endpoint and click the **Try it out** button to return a list of all the signals we offer.



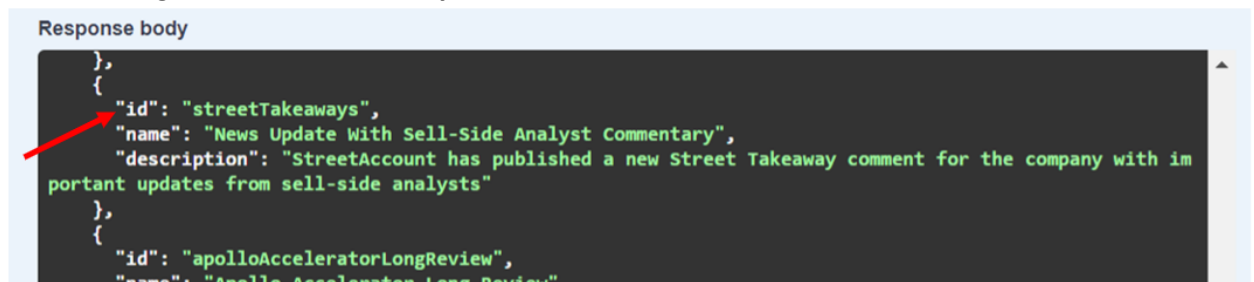
7. Click **Execute**



8. This endpoint returns a list of all the signals we offer along with their descriptions.



9. Note the ID of the signals you are interested in further exploring. For this example, we will be looking at the signal for **“News Update With Sell-Side Analyst Commentary”** with the associated signal ID **“streetTakeaways”**

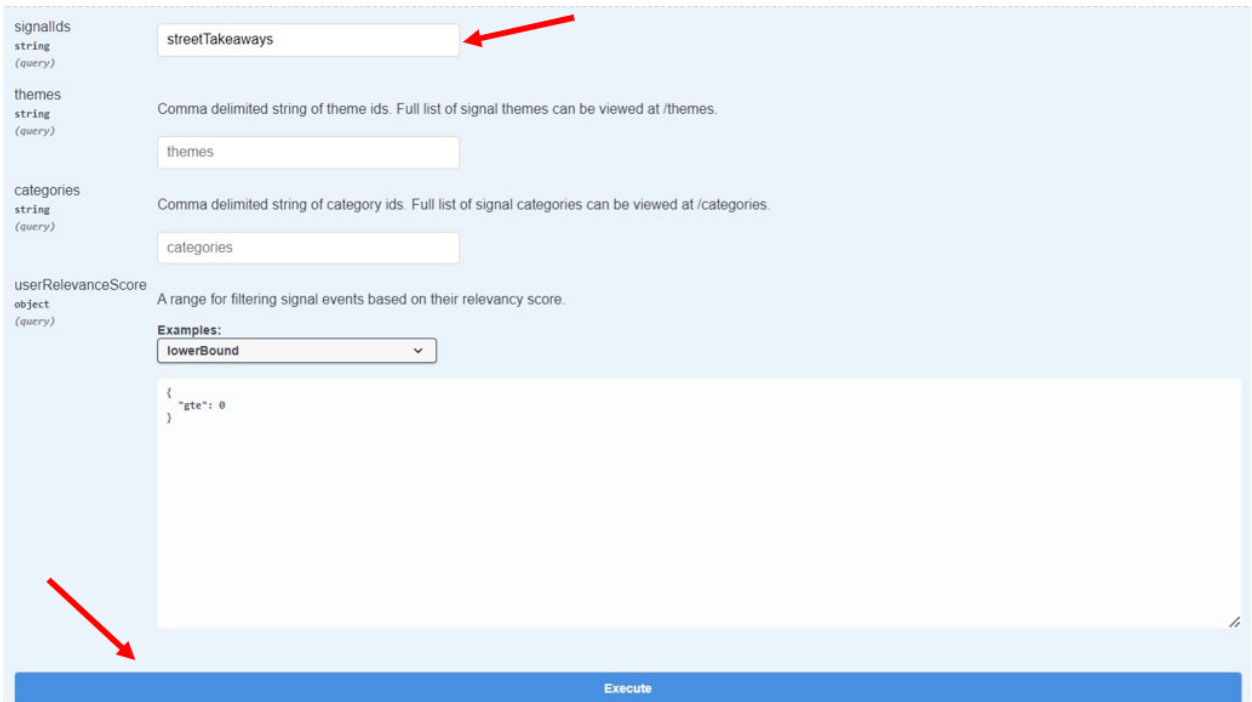


10. Now we can look up which companies this signal is firing for by using our **/events/entities** endpoint. Go to the Entities endpoint as shown below and click **Try it out**.

If you already know which companies you want to check, skip to step 13.

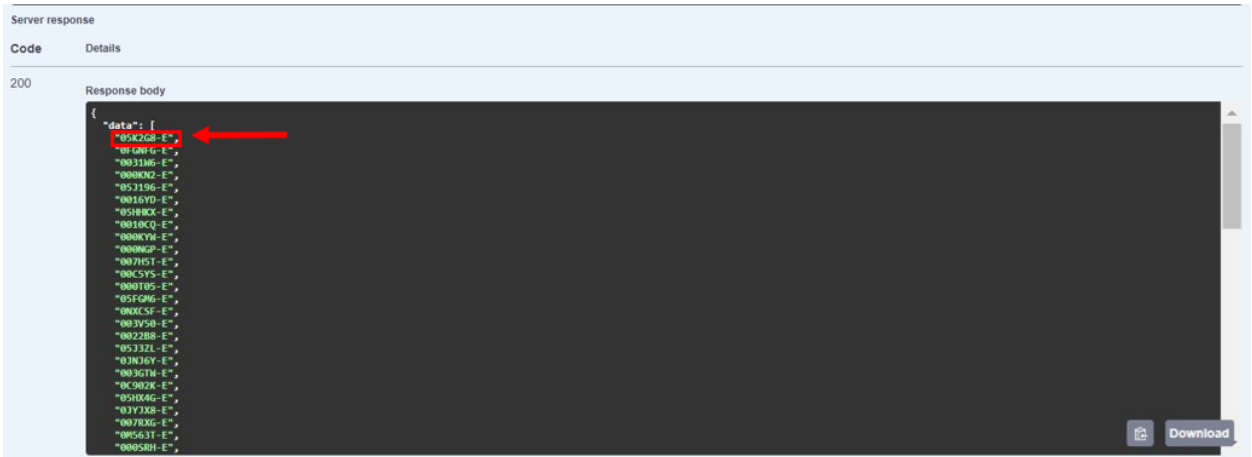


11. Paste the signal ID we picked earlier from the data-dictionary route into the **signalIds** field and hit **Execute**

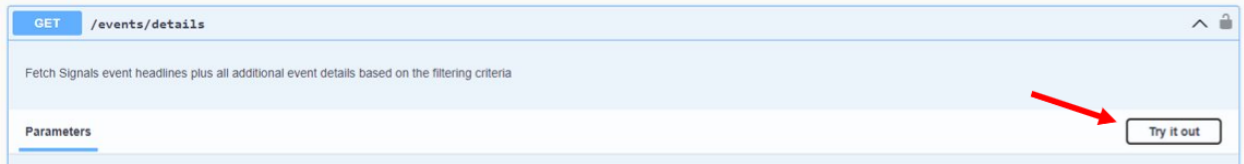


12. The endpoint returns a list of companies that are currently firing for the specified signal ID. Note down the company IDs you are interested in. For this example, we will be looking at **05K2G8-E**. (Please note, if there are no active events for the signal searched, the response comes back as

an empty array)



- Next, go to the `/events/details` endpoint to view details of the `streetTakeaways` signal for the company `05K2G8-E`. Click "Try it out"



- Input the interested signal IDs into the `signalIds` field and the interested company IDs into the `ids` field (these should be a comma separated strings without any quotes as shown below).

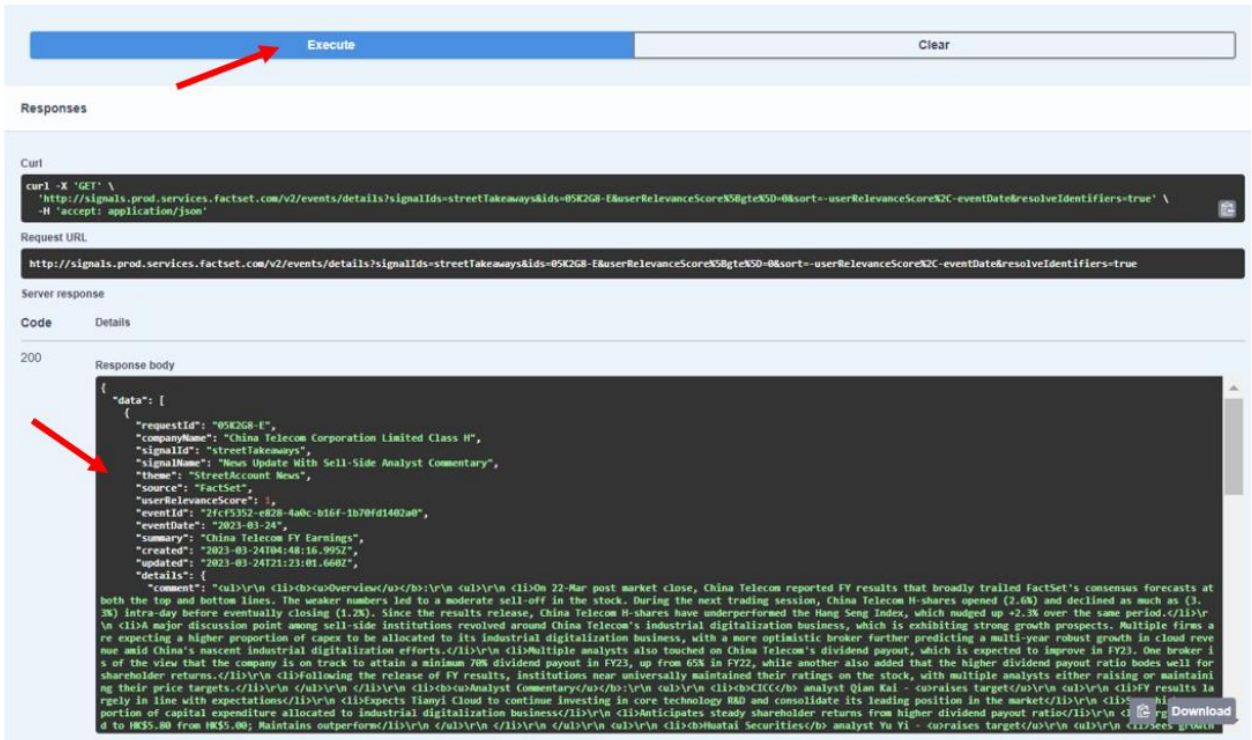
signalIds
string
(query)
streetTakeaways

ids
string
(query)
Comma delimited string of identifiers. An identifier can be a ticker, FactSet entity id, CUSIP or ISIN. You must provide a list of identifiers either via a `ids` or a `portfolios` parameter. If both are provided, only `ids` filter is used. Users with limited access can use only the `ids` filter and provide at most 10 ids.
05K2G8-E

portfolios
string
(query)
Name of a portfolio file stored by FactSet. If the portfolio contains more than 1,000 ids, only the first 1,000 ids are processed (e.g. `client.techstocks.ofdb`). Please note that using this parameter requires full subscription to Signals API.
portfolios

themes
string
(query)
Comma delimited string of theme ids. Full list of signal themes can be viewed at `/themes`.

15. Hit **Execute**. The fetch returns Signal Data with further details about the signal.



The screenshot shows a web interface with a blue 'Execute' button and a 'Clear' button. Below the buttons, there is a 'Responses' section. Under 'Curl', the command is: `curl -X 'GET' \ 'http://signals.prod.services.factset.com/v2/events/details?signalIds=streetTakeaways&ids=05K2G8-E&userRelevanceScore%5Bgte%5D=0&sort=-userRelevanceScore%2C-eventDate&resolveIdentifiers=true' \ -H 'accept: application/json'`. The 'Request URL' is: `http://signals.prod.services.factset.com/v2/events/details?signalIds=streetTakeaways&ids=05K2G8-E&userRelevanceScore%5Bgte%5D=0&sort=-userRelevanceScore%2C-eventDate&resolveIdentifiers=true`. The 'Server response' is a 200 status code. The 'Response body' is a JSON object with the following structure:

```
{
  "data": [
    {
      "requestId": "05K2G8-E",
      "companyName": "China Telecom Corporation Limited Class H",
      "signalId": "streetTakeaways",
      "signalName": "News Update With Sell-Side Analyst Commentary",
      "theme": "StreetAccount News",
      "source": "FactSet",
      "userRelevanceScore": 1,
      "eventId": "2fcf5352-e828-4a0c-b16f-1b70fd1402a0",
      "eventDate": "2023-03-24",
      "summary": "China Telecom FY Earnings",
      "created": "2023-03-24T04:48:16.995Z",
      "updated": "2023-03-24T21:23:01.668Z",
      "details": {
        "comment": "On 22-Mar post market close, China Telecom reported FY results that broadly trailed FactSet's consensus forecasts at both the top and bottom lines. The weaker numbers led to a moderate sell-off in the stock. During the next trading session, China Telecom H-shares opened (+2.6%) and declined as much as (3.3%) intra-day before eventually closing (1.2%). Since the results release, China Telecom H-shares have underperformed the Hang Seng Index, which nudged up +2.3% over the same period. A major discussion point among sell-side institutions revolved around China Telecom's industrial digitalization business, which is exhibiting strong growth prospects. Multiple firms are expecting a higher proportion of capex to be allocated to its industrial digitalization business, with a more optimistic broker further predicting a multi-year robust growth in Cloud revenue amid China's nascent industrial digitalization efforts. Multiple analysts also touched on China Telecom's dividend payout, which is expected to improve in FY23. One broker is of the view that the company is on track to attain a minimum 70% dividend payout in FY23, up from 65% in FY22, while another also added that the higher dividend payout ratio bodes well for shareholder returns. Following the release of FY results, institutions near universally maintained their ratings on the stock, with multiple analysts either raising or maintaining their price targets. Analyst Commentary: analyst Qian Kai - <raises target> FY results largely in line with expectations; analyst Hanyi Cloud to continue investing in core technology R&D and consolidate its leading position in the market; analyst Huiyuan - highlights high portion of capital expenditure allocated to industrial digitalization business; analyst anticipates steady shareholder returns from higher dividend payout ratios; analyst Yu Yi - <raises target> sees growth
```

16. Explore by repeating the above steps for different signal IDs and company IDs.