Below is the API information which we pulling from vendor Intrinio.

Below are the features which we will pull from API. Use below information.

1. **Companies**- At first we have to pull all companies information in order to access all other information related to that compaines-
2. All companies can be pulled bulk using below link and store in local database. Below is API method which will pull Json format.

<https://api-v2.intrinio.com/companies?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

<https://api-v2.intrinio.com/companies?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

Below is the one with csv format

<https://api.intrinio.com/companies.csv?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

**Note: This information has to be updated one time in a day, either it has to be in the morning 4 AM to 5 AM EST or during late evening 10 PM to 11 PM EST. This will be decided based on vendor source system update timings. This is a bulk download of all companies.**

1. For each company from above link, pull complete information based on below api .This uses parameter company name. Below yellow colored highlighted part is company ticker name which you can find in above output. Like this we have to call number of APIs for each company. For now display whatever you find in above sample.

<https://api-v2.intrinio.com/companies/AAPL?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

**Note: This information has to be updated one time in a day, either it has to be in the morning 4 AM to 5 AM EST or during late evening 10 PM to 11 PM EST. This will be decided based on vendor source system update timings. This call is based on each company.Our subscription limit is 600 calls/minute, based on this we have to call 500-600 compaines a minute to pull this information and load into our local database.**

1. Below is another information we need and these are separate index companies. Display this also

<https://api-v2.intrinio.com/indices/stock_market?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

**Note: This will give very minimal list which is less than 10 entries and this is one time load into our local database from vendor production database.**

1. **Exchange:** Pull all exchange names and load into one local table. Use below link for that

<https://api-v2.intrinio.com/stock_exchanges?country_code=US&api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

**Note: This will give very minimal list of exchange information and this is one time load into our local database from vendor production database.**

1. **Company News** – This is to pull company information:

Below link will be used to pull company information as a csv

<https://api.intrinio.com/news.csv?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

Below link will be used to pull as Json format

<https://api-v2.intrinio.com/companies/news?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

**Note: This information has to be updated four times in a day. Below are the timings.**

**5 AM to 6 AM EST, 9:30 AM to 10:30 AM EST, 12 PM to 1 PM EST, 4:30 PM to 5:30 PM EST. This is one call to pull all news.**

1. **Fundamentals / Financials**– These are little more company information which we call as fundamentals. You can use below api and pull information to web and/or app. There are two links for two different kind of information. Yellow colored one is company name , pull both information

<https://api-v2.intrinio.com/fundamentals/AAPL-income_statement-2019-Q4/standardized_financials?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

https://api-v2.intrinio.com/fundamentals/AAPL-income\_statement-2017-Q1/reported\_financials?api\_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3

**Note: This information has to be updated one time in a week that is Saturday night 10 PM to 11 PM EST. This call is based on each company. Our subscription limit is 600 calls/minute, based on this we have to call 500-600 compaines a minute to pull this information and load into our local database.**

1. **Prices** -:
2. Initially (before production migration or live) We are planning to pull 5 years of data for all US securities into local database, after that we will append daily data to local database. At initial need is to pull history data for all US securities . We will use below link to access history data for each security (company). (Plan is to lookup all companies which we took from company link written above under 1.a. and pull all history for each company from below link.

<https://api.intrinio.com/prices.csv?identifier=AAPL&api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

**Note: This information has to be loaded one time before migrating to Production as this is history data. This call is based on each company. Our subscription limit is 600 calls/minute, based on this we have to call 500-600 compaines a minute to pull this information and load into our local database. After this we will append everyday information means every trading day (Monday to Friday) price information of each company to our database.**

1. Take exchange name from above point 2) and put that information in below link as an identifier, pull all company price information comes under that exchange and load into local database. We already put one exchange name in below link for your reference, this can be used for now to show sample data in web or app

Below information is by json format for the same

<https://api-v2.intrinio.com/stock_exchanges/NASDAQ/prices/realtime?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

**Note: Keep exchange name and api key as parameter.**

**Note: This information has to be loaded every 15 mins starting from 9 AM EST to 6 PM EST. This call is based on exchange. In the above link NASDAQ is exchange name, like this we have less than 10 exchanges or less. So there will be 10 or less than 10 calls. So our subscription limit will not be an issue. Also please load into our local database each time during the day, make sure if the load fails for that 15 mins, user should access previous snapshot to avoid interruption. This will happen Monday to Friday 9 AM EST to 6 PM EST. Saturday and Sunday and holidays no market , so no refresh needed.**

1. Indices history data

<https://api-v2.intrinio.com/indices/stock_market/$DJI/historical_data/level?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

Individual price for index

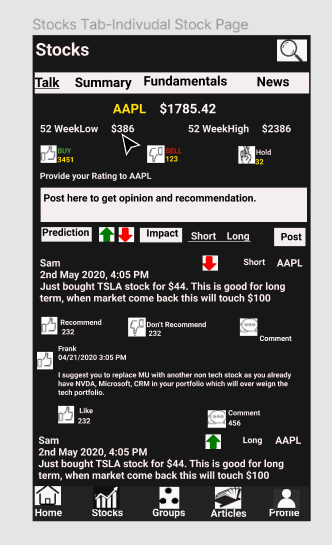
<https://api-v2.intrinio.com/indices/stock_market/$DJI/data_point/level/number?api_key=OmFmYmFiZDY2YjI0ZTA5NGJlNWRhZmViNzYzZGE4Zjg3>

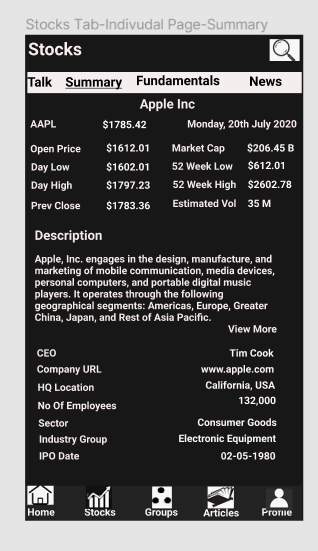
**Note: This will be updated soon.**

API Information used in the website

**Companies**

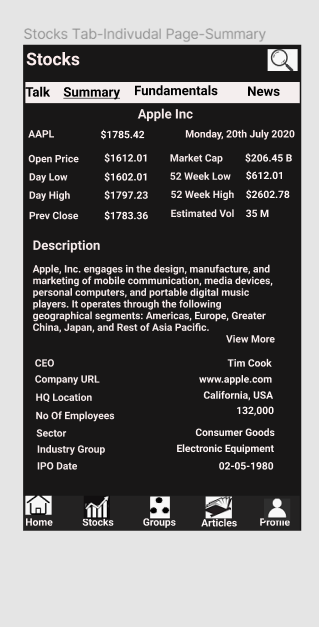
|  |  |
| --- | --- |
| **Columns** | **Definition** |
| TICKER | The stock market ticker symbol associated with the company's common stock securities |
| NAME | The company's common name |

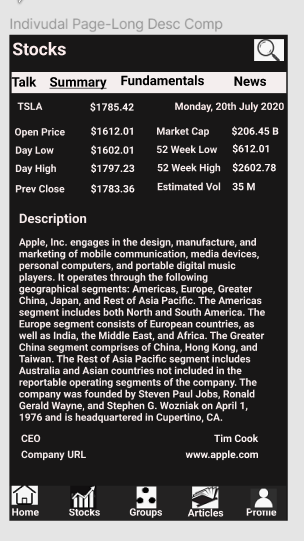




|  |  |  |
| --- | --- | --- |
| short\_description | A one or two sentence description of the company's operations | string |
| ceo | The Chief Executive Officer of the company | string |
| company\_url | The URL of the company's primary corporate website or primary internet property | string |
| hq\_state | The state (US & Canada Only) where the company headquarters are located | string |
| hq\_country | The country where the company headquarters are located | string |
| employees | The number of employees working for the company | integer |
| sector | The company's operating sector | string |
| industry\_group | The company's operating industry group | string |
| first\_stock\_price\_date | The date of the company's first stock price, based on the company's primary security, which is typically traded on US exchages | date |

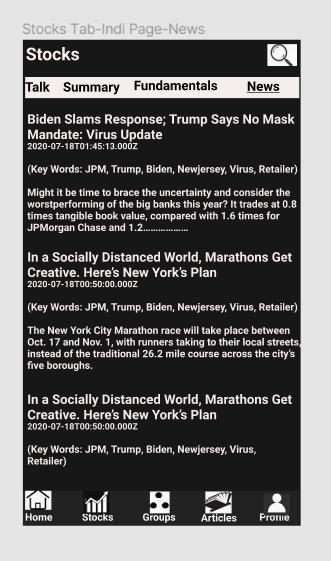
**Compaines Info:**





**News:**

|  |  |  |
| --- | --- | --- |
| title | The title of the news article | string |
| publication\_date | The publication date of the news article | string |
| url | The url of the news article | string |
| summary | A summary of the news article | string |
| ticker | The stock market ticker symbol associated with the company's common stock securities | string |

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