

# Market News & Sentiment Trending

Looking for market news data to train your LLM models or to augment your trading strategy? You have just found it. This API returns live and historical market news & sentiment data from a large & growing selection of premier news outlets around the world, covering stocks, cryptocurrencies, forex, and a wide range of topics such as fiscal policy, mergers & acquisitions, IPOs, etc. This API, combined with our core stock API, fundamental data, and technical indicator APIs, can provide you with a 360-degree view of the financial market and the broader economy.

## API Parameters

### ■ Required: **function**

The function of your choice. In this case, **function=NEWS\_SENTIMENT**

### ■ Optional: **tickers**

The stock/crypto/forex symbols of your choice. For example: **tickers=IBM** will filter for articles that mention the IBM ticker; **tickers=COIN,CRYPTO:BTC,FOREX:USD** will filter for articles that simultaneously mention Coinbase (COIN), Bitcoin (CRYPTO:BTC), and US Dollar (FOREX:USD) in their content.

### ■ Optional: **topics**

The news topics of your choice. For example: **topics=technology** will filter for articles that write about the technology sector; **topics=technology,ipo** will filter for articles that simultaneously cover technology and IPO in their content. Below is the full list of supported topics:

- Blockchain: **blockchain**
- Earnings: **earnings**
- IPO: **ipo**
- Mergers & Acquisitions: **mergers\_and\_acquisitions**
- Financial Markets: **financial\_markets**
- Economy - Fiscal Policy (e.g., tax reform, government spending): **economy\_fiscal**
- Economy - Monetary Policy (e.g., interest rates, inflation): **economy\_monetary**
- Economy - Macro/Overall: **economy\_macro**
- Energy & Transportation: **energy\_transportation**
- Finance: **finance**
- Life Sciences: **life\_sciences**
- Manufacturing: **manufacturing**
- Real Estate & Construction: **real\_estate**
- Retail & Wholesale: **retail\_wholesale**
- Technology: **technology**

### ■ Optional: **time\_from** and **time\_to**

The time range of the news articles you are targeting, in YYYYMMDDTHHMM format. For example: **time\_from=20220410T0130** . If time\_from is specified but time\_to is missing, the API will return articles published between the time\_from value and the current time.

### ■ Optional: **sort**

By default, **sort=LATEST** and the API will return the latest articles first. You can also set **sort=EARLIEST** or **sort=RELEVANCE** based on your use case.

### ■ Optional: **limit**

By default, **limit=50** and the API will return up to 50 matching results. You can also set **limit=1000** to output up to 1000 results.

### ■ Required: **apikey**

Your API key. Claim your free API key [here](#).

## Examples (click for JSON output)

Querying news articles that mention the AAPL ticker.

[https://www.alphavantage.co/query?function=NEWS\\_SENTIMENT&tickers=AAPL&apikey=demo](https://www.alphavantage.co/query?function=NEWS_SENTIMENT&tickers=AAPL&apikey=demo)

Querying news articles that simultaneously mention the Coinbase stock (COIN), Bitcoin (CRYPTO:BTC), and US Dollar (FOREX:USD) and are published on or after 2022-04-10, 1:30am UTC.

[https://www.alphavantage.co/query?](https://www.alphavantage.co/query?function=NEWS_SENTIMENT&tickers=COIN,CRYPTO:BTC,FOREX:USD&time_from=20220410T0130&limit=1000&apikey=demo)

[function=NEWS\\_SENTIMENT&tickers=COIN,CRYPTO:BTC,FOREX:USD&time\\_from=20220410T0130&limit=1000&apikey=demo](https://www.alphavantage.co/query?function=NEWS_SENTIMENT&tickers=COIN,CRYPTO:BTC,FOREX:USD&time_from=20220410T0130&limit=1000&apikey=demo)

## Language-specific guides

[Python](#)[NodeJS](#)[PHP](#)[C#/.NET](#)[Other](#)

```
import requests

# replace the "demo" apikey below with your own key from https://www.alphavantage.co/support/
#api-key
url = 'https://www.alphavantage.co/query?function=NEWS_SENTIMENT&tickers=AAPL&apikey=demo'
r = requests.get(url)
data = r.json()

print(data)
```