

Project homepage: <https://github.com/gaddamja/AWS-TradeWatchList-POC>

(sample : <https://github.com/a-pavithraa/TradeWatchlistPOC>)

Stock market data , API keys :

[alphavantage](#) : **9YJ6C63O6I7TXBKR**

[finhub](#) : cdbfvlaad3i64n13n6ug

[twelve-data](#) : 128c92d1b55140b8bd02f2c357403bc6

[iex-cloud](#) : pk_f6e4c25906374ee4a81b532d2dbbba25

[tiingo](#) : d55d3462cf552dfc82b5d2eb2c09082255e8ca46

[intrinio](#) : OmE4OWMxMzk4NWE2NTllMWE0NTZhMzBhNzM3NGYwOTky

[RapidAPI-twelvedata](#) : 35680c3b43msh4763599bbc79b20p144d34jsn27ba87f4447f

// sample queries

Currency	Last	% Change (Daily)
USD		
EURO		
AUD		
JPY		
SGD		
GBP		

// currency:

[https://www.alphavantage.co/query?
function=FX INTRADAY&from symbol=EUR&to symbol=USD&interval=60min&apikey=9Y
J6C63O6I7TXBKR](https://www.alphavantage.co/query?function=FX_INTRADAY&from_symbol=EUR&to_symbol=USD&interval=60min&apikey=9YJ6C63O6I7TXBKR)

[https://www.alphavantage.co/query?
function=FX DAILY&from symbol=EUR&to symbol=USD&apikey=9YJ6C63O6I7TXBKR](https://www.alphavantage.co/query?function=FX_DAILY&from_symbol=EUR&to_symbol=USD&apikey=9YJ6C63O6I7TXBKR)

// market data (required)

Country Market	Last	% Change (Daily)	1 Year H - L
S&P 500			
NASDAQ			
NIKKEI 255 (Japan)			
SHANGHAI COMP(China)			
EUROSTOXX 50 (Eurozone)			
FTSE 1000 (UK)			
S&P BSE SENSEX (India)			

ref: <https://finance.yahoo.com/quote/%5EGSPC/>

<https://www.npmjs.com/package/yahoo-finance-webscraper>

// below will install all the javascript modules in the current folder. Use it to get the data.

\$ npm install yahoo-finance-webscraper

// market-data.js

```
const yf = require('yahoo-finance-webscraper');

const stocks = ['^GSPC', '^IXIC', '^N255', '^STOXX50E', '^FTSE', '^BSESIN'];

yf.getStocksInfo(stocks).then(data => {
  console.log(data)
});
```

// from the above script execution, it gives below data. We will take only the necessary field.

```
{
  shortName: 'S&P 500',
  regularMarketChangePercent: -1.2900001,
  regularMarketPreviousClose: 4283.74,
  fiftyTwoWeekLow: 3636.87,
  fiftyTwoWeekHigh: 4818.62,
  symbol: '^GSPC'
},
{
  .. shortName: 'NASDAQ Composite',
  regularMarketPreviousClose: 12965.342,
  regularMarketChangePercent: -2.0063255,
  fiftyTwoWeekLow: 10565.14,
  fiftyTwoWeekHigh: 16212.23,
  symbol: '^IXIC'
},
{
  market: 'jp_market',
  shortName: 'Nikkei 225',
  regularMarketPreviousClose: 28942.14,
  regularMarketChangePercent: -0.04080744,
  fiftyTwoWeekLow: 24681.74,
```

```
fiftyTwoWeekHigh: 30795.78,  
symbol: '^N225'  
},  
{  
  messageBoardId: 'finmb_INDEXSTOXX50E',  
  regularMarketPreviousClose: 3777.38,  
  regularMarketChangePercent: -1.2458322,  
  fiftyTwoWeekLow: 3357.06,  
  fiftyTwoWeekHigh: 4415.23,  
  symbol: '^STOXX50E'  
  
{  
  shortName: 'FTSE 100',  
  market: 'gb_market',  
  regularMarketPreviousClose: 7541.85,  
  regularMarketChangePercent: 0.11296989,  
  fiftyTwoWeekLow: 6788,  
  fiftyTwoWeekHigh: 7687.3,  
  symbol: '^FTSE'  
},  
{  
  market: 'in_market',  
  shortName: 'S&P BSE SENSEX',  
  regularMarketPreviousClose: 60298,  
  regularMarketChangePercent: -1.08105,  
  fiftyTwoWeekLow: 50921.22,  
  fiftyTwoWeekHigh: 62245.43,  
  symbol: '^BSESN'  
}
```