



**Innovate Faster with a
Financial Market Data Platform
Built by Developers for Developers**



**Access Financial
Market Data
Directly from
the Source**



Easy to Use APIs

Up and Running in Minutes



Sample Code

Clone a Sample App to Get Started

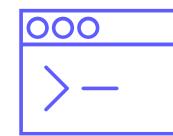
Examples to help you get up and running in minutes. Go, Nodejs, Python, C# and more are ready to clone on our Github.



WebSocket Docs

Connect, Authenticate, Subscribe

See how to integrate the real-time protocol to receive updates in real-time. Tick by tick data with low latency over TCP using standardized protocols.



RESTful API Docs

Get, Put, Post, Del

Structured, versioned JSON RESTful APIs allow you to make requests using any coding language. Reference, Price, News and more all available over intuitive APIs.

Unlimited Access

100% Coverage

New York Stock Exchange
NYSE National
NYSE Chicago
NYSE Arca
NYSE American

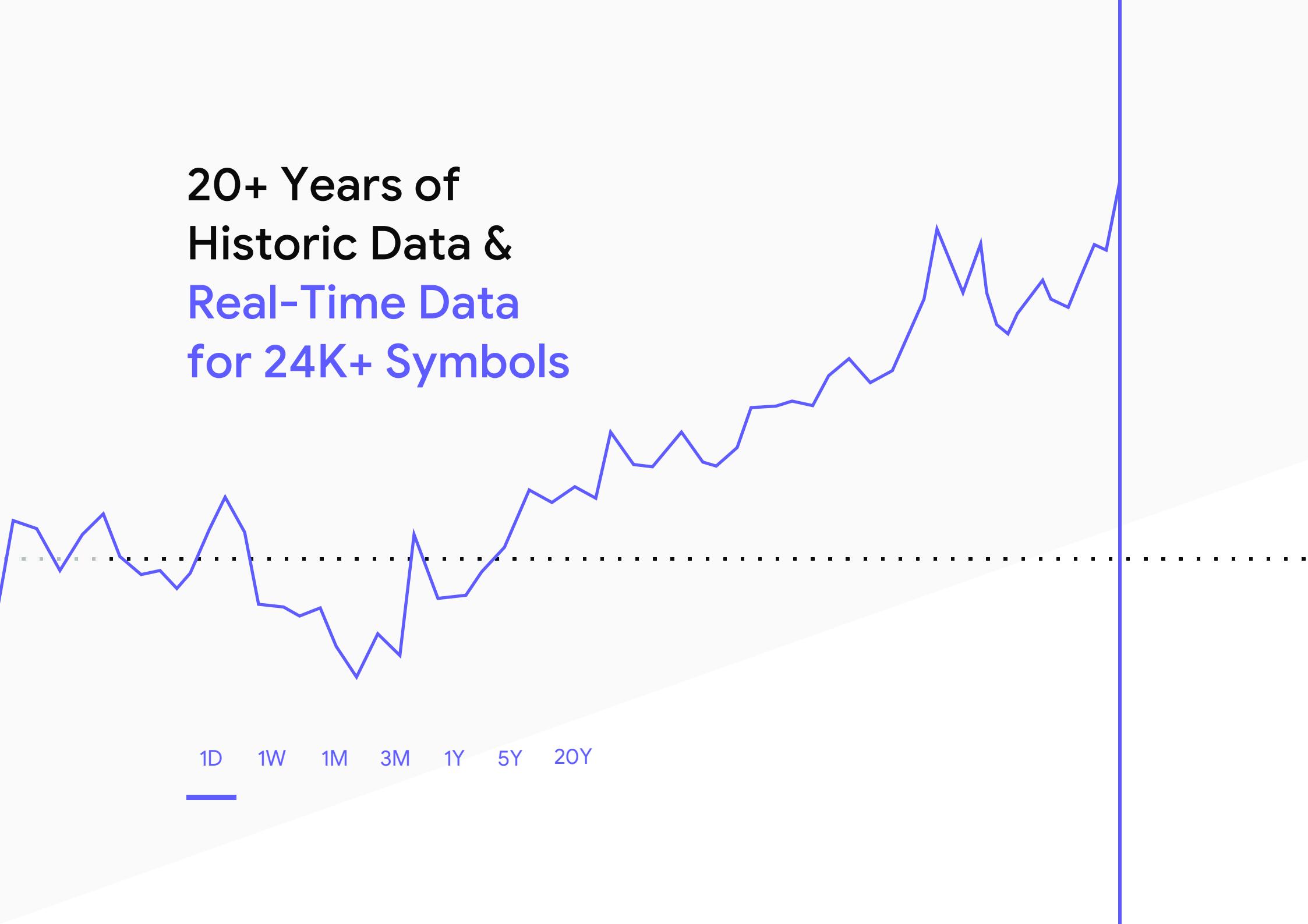
Nasdaq Stock Market
Nasdaq PSX
Nasdaq ISE
OTC Markets
Nasdaq BX

Cboe Exchange
Cboe EDGX Exchange
Cboe EDGA Exchange
Cboe BZX Exchange
Cboe BYX Exchange

Investors Exchange
Financial Industry
Regulatory Authority



**20+ Years of
Historic Data &
Real-Time Data
for 24K+ Symbols**



See into each Candle Tick Level Granularity

Trade ticks

Polygon provides each and every trade message from all the US Exchanges and darkpools. This allows you to see into each candle stick to understand what's happening in the market.

Quote ticks

Top of book quotes give you more information into the sitting orders at the exchanges. Knowing the national best bid and offer provides insight for the next execution price(s).

Aggregates

Aggregates are extremely powerful for visualizing and understanding prices for a long or short range of time. We generate our own aggregates from the raw trade data for ultimate accuracy.

Both unadjusted and split adjusted aggregates are able to be generated in any size time window from 1min - 1yr. You can finally get the exact time windows you want, no matter the size.

```
1 // Stocks TRADE:
2 {
3     "ev": "T",           // Event Type
4     "sym": "MSFT",      // Symbol Ticker
5     "x": "4",            // Exchange ID
6     "p": 114.125,       // Price
7     "s": 100,            // Trade Size
8     "c": [0, 12],        // Trade Conditions
9     "t": 1536036818784 // Trade Timestamp ( Unix MS )
10 }
11
12 // Stocks QUOTE:
13 {
14     "ev": "Q",           // Event Type
15     "sym": "MSFT",      // Symbol Ticker
16     "bx": "4",            // Bix Exchange ID
17     "bp": 114.125,       // Bid Price
18     "bs": 100,            // Bid Size
19     "ax": "7",            // Ask Exchange ID
20     "ap": 114.128,       // Ask Price
21     "as": 160,            // Ask Size
22     "c": 0,              // Quote Condition
23     "t": 1536036818784 // Quote Timestamp ( Unix MS )
24 }
25
26 // Stocks Aggregate:
27 {
28     "ev": "AM",          // Event Type ( A = Second Agg, AM = Minute Agg )
29     "sym": "MSFT",      // Symbol Ticker
30     "v": 10204,          // Tick Volume
31     "av": 200304,         // Accumulated Volume ( Today )
32     "op": 114.04,          // Todays official opening price
33     "vw": 114.4040,        // VWAP (Volume Weighted Average Price)
34     "o": 114.11,          // Tick Open Price
35     "c": 114.14,          // Tick Close Price
36     "h": 114.19,          // Tick High Price
37     "l": 114.09,          // Tick Low Price
38     "a": 114.1314,        // Tick Average / VWAP Price
39     "s": 1536036818784,    // Tick Start Timestamp ( Unix MS )
40     "e": 1536036818784,    // Tick End Timestamp ( Unix MS )
41 }
```

Extensive Reference Data Included

We provide extensive reference data included with our US stocks plans. Our reference data is from reliable sources and standardized for ease of use.



Amazon.com Inc. Specialty Retail

Amazon.com Inc is an online retailer. The Company sells its products through the website which provides services, such as advertising services and co-branded credit card agreements. It also offers electronic devices like Kindle e-readers and Fire tablets.

```
1 // Company Profile:  
2 {  
3     "logo": "https://s3.polygon.io/logos/amzn/logo.png",  
4     "listdate": "1997-05-15",  
5     "cik": "1018724",  
6     "bloomberg": "EQ002169520001000",  
7     "lei": "ZXTILKJKG63JELOEG630",  
8     "sic": 5961,  
9     "country": "usa",  
10    "industry": "Retail - Apparel & Specialty",  
11    "sector": "Consumer Cyclical",  
12    "marketcap": 791855354928,  
13    "employees": 566000,  
14    "phone": "+1 206 266-1000",  
15    "ceo": "Jeffrey P. Bezos",  
16    "url": "http://www.amazon.com",  
17    "description": "Amazon.com Inc is an online retailer. The Company sells  
18        its products through the website which provides services, such as  
19        advertising services and co-branded credit card agreements. It also  
20        offers electronic devices like Kindle e-readers and Fire tablets.",  
21    "exchange": "Nasdaq Global Select",  
22    "name": "Amazon.com Inc.",  
23    "symbol": "AMZN",  
24    "exchangeSymbol": "NGS",  
25    "hq_address": "410 Terry Avenue North Seattle WA, 98109-5210",  
26    "hq_state": "WA",  
27    "hq_country": "USA",  
28    "type": "CS",  
29    "tags": [  
30        "Consumer Cyclical",  
31        "Specialty Retail",  
32        "Retail - Apparel & Specialty"  
33    ],  
34    "similar": [  
35        "MSFT",  
36        "COST",  
37        "EBAY",  
38        "WMT",  
39        "GOOGL"  
40    ],  
41    "active": true  
42 }
```

Language Agnostic Formats Developers Expect

- ✓ 20+ API Languages
- ✓ Open Source Libraries



```
1 const WebSocket = require('ws')
2
3 const APIKEY = process.env.POLY_API_KEY || 'YOUR_API_KEY'
4 const ws = new WebSocket('wss://socket.polygon.io/stocks')
5
6 // Connection Opened:
7 ws.on('open', () => {
8     console.log('Connected!')
9     ws.send(`{"action": "auth", "params": "${APIKEY}"}`)
10    ws.send(`{"action": "subscribe", "params": "T.AAPL"}`)
11})
12
13 // Per message packet:
14 ws.on('message', ( data ) => {
15     data = JSON.parse( data )
```

Historic Data APIs & Real-time WebSockets

- ✓ 100% Market Coverage
- ✓ 16 US Exchanges + Dark Pools
- ✓ 24K+ Ticker Symbols

US Stocks WebSockets

Real-Time	Aggregates
Real-Time	Quotes
Real-Time	Trades
Real-Time	Limit Up / Limit Down
Real-Time	Trading Halts

US Stocks APIs

GET	Exchanges
GET	Historic Trades
GET	Historic Quotes
GET	Last Trade for a Symbol
GET	Last Quote for a Symbol
GET	Daily Open/Close
GET	Condition Mappings
GET	Snapshot - All Tickers
GET	Snapshot - Single Ticker
GET	Snapshot - Gainers / Losers
GET	Previous Close
GET	Aggregates
GET	Grouped Daily

Reference Data APIs

GET	Tickers
GET	Ticker Types
GET	Ticker Details
GET	Ticker News
GET	Markets
GET	Locales
GET	Stock Splits
GET	Stock Dividends
GET	Stock Financials
GET	Market Status
GET	Market Holidays

Incredibly Fast Ultra Low Latency



polygon.io

mean time of <1ms



ActiveTick

mean time of 180ms



iQFeed

mean time of 320ms

We connect directly to the exchanges bypassing the internet or 3rd party vendors to prevent interruptions or latency spikes.

Nanosecond Timestamps

Accurate to One Billionth of a Second



polygon.io

999,999 units of accuracy more than the competition. Know exactly where and when the trade occurred with nanosecond timestamp accuracy.

AUG 09, 2019

01:17:57.682285707



- ✓ SIP Timestamp
- ✓ Participant/Exchange Timestamp
- ✓ Trade Reporting Facility
- (TRFs, Dark Pools) Timestamp

competitors' timestamp

Our competitors only offer millisecond timestamps, as well as only 1 timestamp attribute. This leaves much to be desired.

AUG 09, 2019

01:17:57.682



- ✓ SIP Timestamp
- ✗ Participant/Exchange Timestamp
- ✗ Trade Reporting Facility
- (TRFs, Dark Pools) Timestamp

Trusted by
Companies, Governments, and Institutions.

Google



Stanford

Success Story

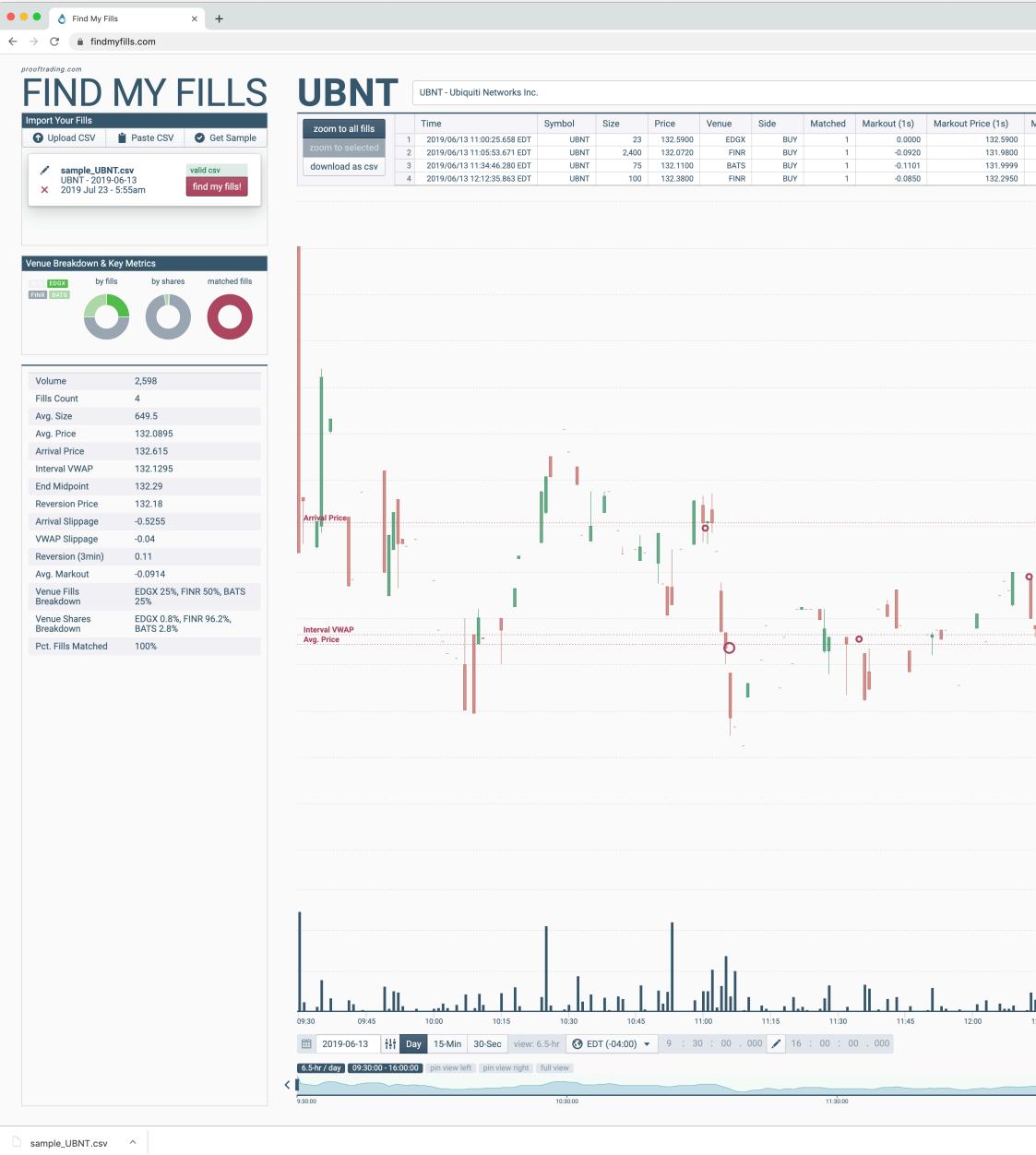
FindMyFills.com

Proof Trading, an institutional equities brokerage startup, found that analyzing market activity was far too complex and wanted to give people an efficient tool for visualizing market activity.

With FindMyFills, anybody can visualize the market for the entire trading day, 15-min, or 30-sec intervals.

“ Polygon is a no brainer when compared to some of the largest players in the market. ”

Daniel Ailsen, Co-Founder



Success Story

Alpaca.markets

All Alpaca customers with live brokerage accounts can access various kinds of market data in Polygon.

“ Using Polygon, Alpaca customers are able to query quotes, bars, and fundamentals data from both historical and real-time datasets. ”

Yoshi Yokokawa, Founder



The screenshot shows the Alpaca.markets dashboard. On the left, there's a sidebar with navigation links: Overview, Positions, Orders, Account, Banking, Account Activities, OAuth Apps, Documentation, Community Slack, and Community Forum. The main area has a yellow header bar with the title "Live Trading". Below it, it displays "\$632.54 Equity" and "\$0.00 Buying Power". A line chart shows a price movement from approximately 10 AM to 3 PM. The chart has time markers for 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM, 4 PM, 5 PM, and 6 PM. Below the chart is a "Portfolio" section with a table:

Stock	Price	Shares	Market Value	Total Profit
SQ +0.85%	\$81.68	1	\$81.68	+\$8.66
SBUX -0.86%	\$89.16	1	\$89.16	+\$30.45
MSFT +0.56%	\$184.73	2	\$369.46	+\$154.32
CRON +4.66%	\$7.19	2	\$14.38	-\$1.91
CDXS -0.50%	\$13.99	1	\$13.99	-\$0.8299
AMD +0.62%	\$54.87	1	\$54.87	+\$35.39

On the right side of the dashboard, there are several floating UI elements: "New! Alpaca an...", "Refer your friends", "Your API Keys", "Symbol Enter here", "Order Type Market", "Time in Force DAY", "Quantity 1", and "Watchlist".

Success Story

Bradley University

Polygon.io partnered with Bradley University for the building of their lab's state of the art ticker display

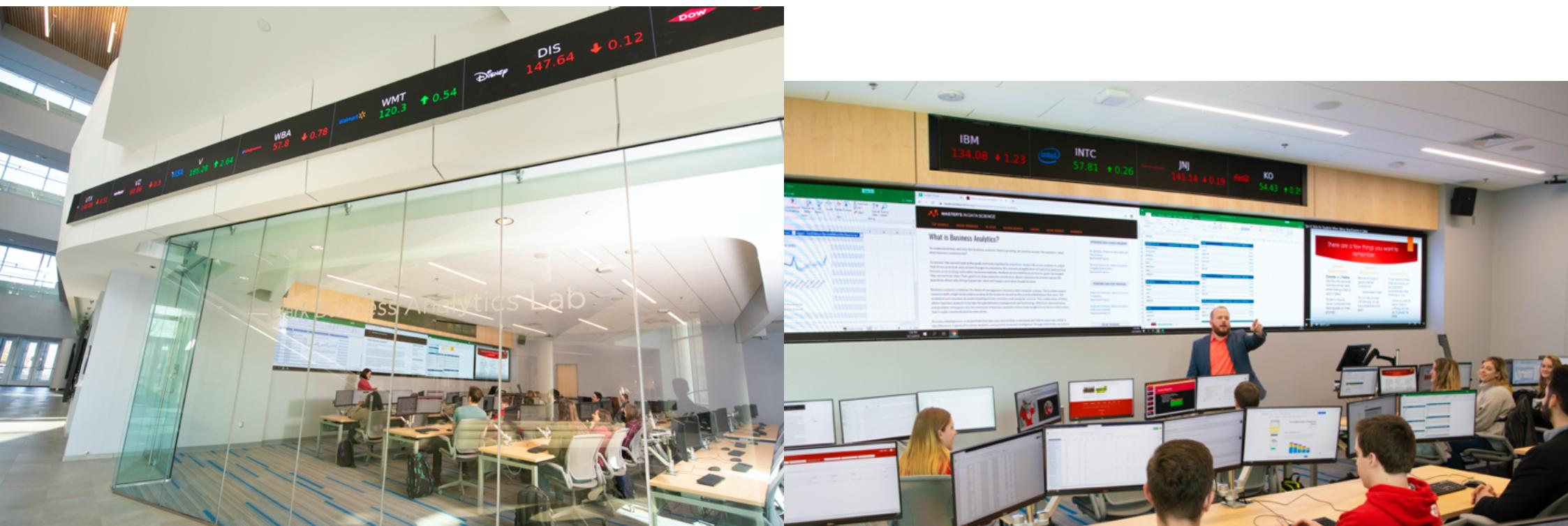


“

Polygon.io's API made it easy for our team to access stock market data. That data along with the ability to incorporate our unique design requirements allowed us to create an end-product to educate the next generation of finance professionals. Polygon.io rivals everything else we saw on the market.

”

Jim Crone,
Executive Director of Digital Marketing



About **polygon.io**

Polygon was started by ex-Googlers who have a proven track record of building performant, large scale platforms with clean, intuitive usability.

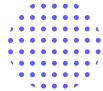
While attempting a project that applied ML to news articles and market data, we were amazed how difficult, unreliable, and expensive market data was. With no solution to our pain points, we decided to apply our deep knowledge of modern tech platforms and infrastructure to solve this for ourselves.

“ We have set out on a mission to help developers build the future of fintech by democratizing access to the world's financial market data. ”

Trusted by Top Companies, Governments, and Institutions

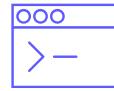


Loaded with Features



Tick by Tick

See each and every Trade & Quote which happens in the US in real-time. Trillions of rows of historical tick data available via RESTful APIs



Unlimited REST

We do not limit how much you can use our RESTful APIs. There are no daily call limits, or maximum queries per minute.



Low Latency

Our platform provides low latency real-time data with a mean latency of <20ms. Orders of magnitude faster than our closest competitor.



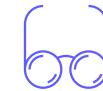
Snapshot APIs

See the entire market at a glance with our powerful Snapshot APIs. You can also query the gainers and losers for the current day.



Aggregates

1min - 1yr aggregate intervals. We allow you to query the aggregate in the size you want. 1min, 7min, 16day, anything is possible.



Transparent Pricing

Know exactly what you're going to pay. Get the data directly from the source, don't waste money on sales middlemen.

Transparent Pricing

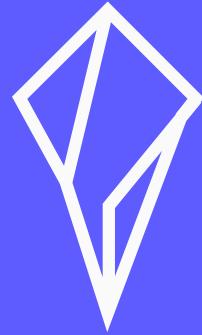
Pick your Plan

	 sip.feed	 poly.feed	 delayed.feed
Real-Time Data Stream	✓ Yes	✓ Yes	✗ Delayed
Latency	✓ < 20ms	✓ < 20ms	✗ 15min
Professional Use	✓ Yes	✓ Yes	✓ Yes
Redistribution Rights	✓ Yes	✓ Yes	✓ Yes
No Data Limits	✓ Yes	✓ Yes	✓ Yes
Display to Users	✓ Yes	✓ Yes	✓ Yes
Market Coverage	✓ All US Exchanges	✗ 5 Exchanges	✓ All US Exchanges
Price Accuracy	✓ 100%	✗ 99.95%	✓ 100%
Reference Data	✓ Included	✓ Included	✓ Included
Splits/Dividends	✓ Yes	✓ Yes	✓ Yes
Earnings	✓ Yes	✓ Yes	✓ Yes
Estimates	✓ Yes	✓ Yes	✓ Yes
Historical Data	✓ 20 years	✓ 20 years	✓ 20 years
News	✓ Yes	✓ Yes	✓ Yes
No Exchange Fees	✗ Exchange Fees Apply	✓ No Fees	✓ No Fees

\$4000/m + Exchange Fees

\$2000/m

\$699/m



sales@polygon.io