

# Quotestream

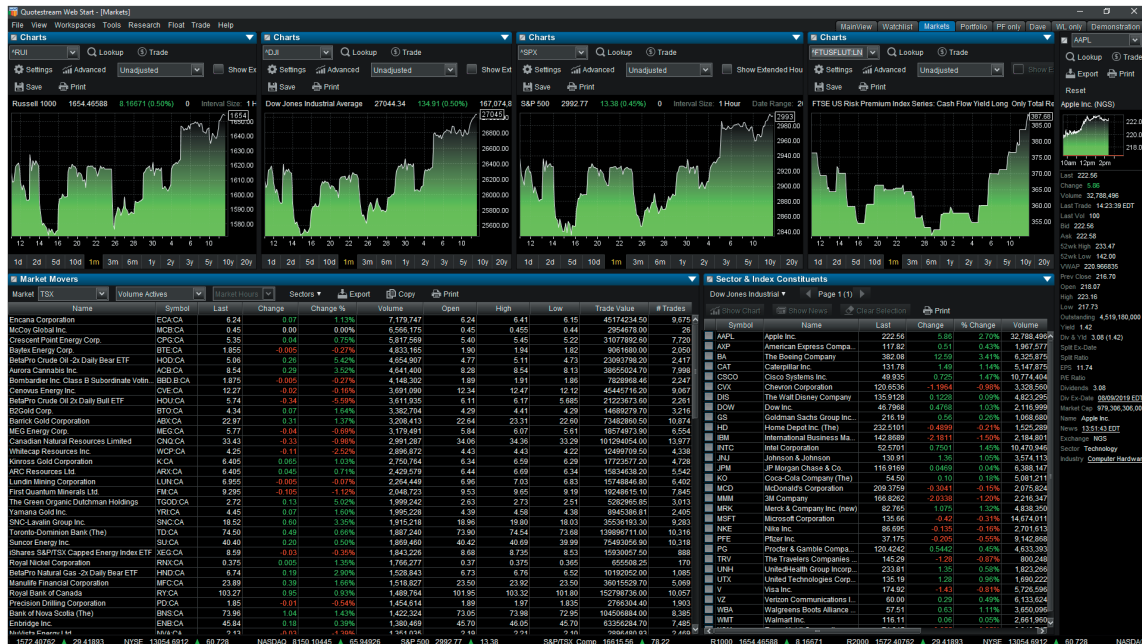
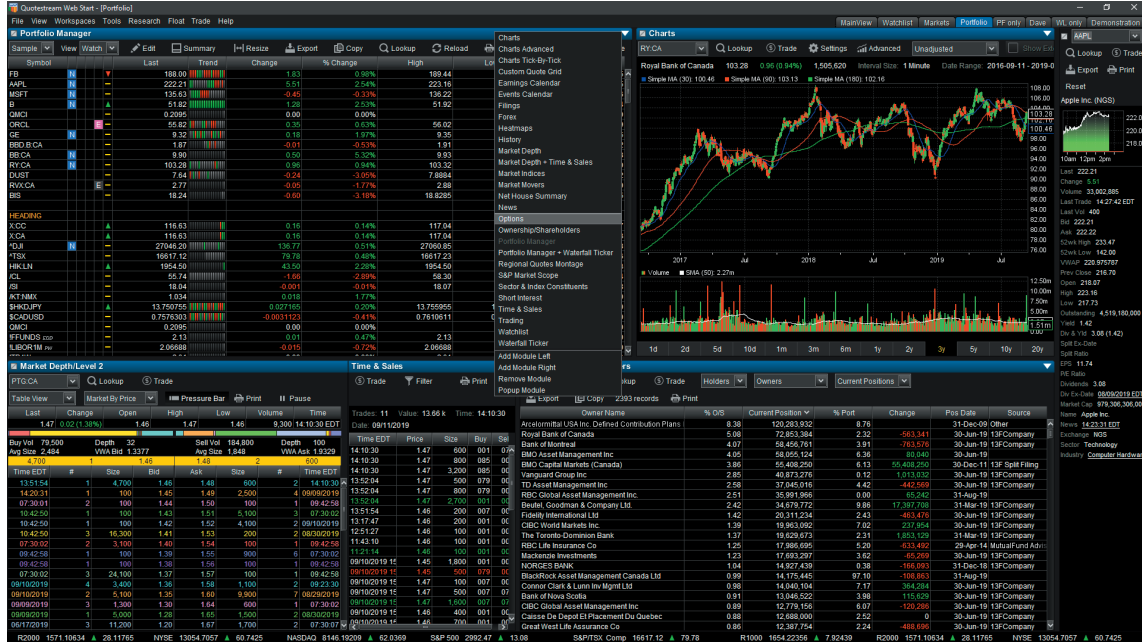
## Professional Enterprise



quotemedia

# Tick-by-tick Real-time Streaming Data

Quotestream Professional connects directly to QuoteMedia's geographically redundant data centers, providing low latency, tick-by-tick market data to desktop computers. With no software to install, and no servers to maintain, Quotestream is the most cost-effective solution for financial industry professionals.



# User Configurable Workspaces

Quotestream Professional provides complete customization for the user. All workspaces can be easily customized and modified at any time. Easy tab navigation allows users to switch between workspaces with ease. Inside each workspace, one can add, remove or change modules to configure the layout for a personalized experience.

The screenshot displays a complex financial workspace with several key components:

- Market Depth Level 2:** A table showing bid and ask orders for various stocks, including columns for Last, Change, Open, High, Low, Volume, and Time.
- Time & Sales:** A table listing individual trades with columns for Time, Price, Size, and Market.
- News:** A section displaying recent market news articles with columns for Time, Source, Symbol, and News for Watchlist.
- Charts:** A candlestick chart for Noka Corporation Sponsored American Depositary Shares, showing price movement from 2017 to 2019.
- Market Overview:** A table at the top showing market indices like S&P 500, NYSE, and NASDAQ with their respective changes and volumes.

This screenshot shows another view of the Quotestream Professional workspace, focusing on options and ownership data:

- Options:** A detailed table for the Royal Bank of Canada (RY) showing call and put options with columns for Bid, Ask, Volume, Open Int, and Last.
- Charts:** A candlestick chart for Apple Inc. (AAPL) from 2017 to 2019, with a moving average overlay.
- Owner/Shareholders:** A table listing the top shareholders of a company, including columns for Name, % OS, Current Position, % Pct, Change, and Pos Date.
- Market Overview:** Similar to the first screenshot, it shows market indices and their performance.
- Options Chain:** A section above the main options table showing the full range of call and put options for the selected stock.

## Multiple Monitors and Floating Windows

Quotestream Professional's Floating Modules feature allows you to pop up and freely move the modules of your choice, taking full advantage of multi-screen set-ups. All floating windows are resizable and fully configurable, with your floating layouts being automatically saved for you.





# Streaming Watchlists

The Watchlist Module offers a quick view of configurable columns of symbols and data. Users can define how many sections to display, how many columns of data to display, and what data to display. The Watchlist also features headings to better organize symbol lists as well as exceptional sorting abilities. Intuitive drag-and-drop functionality re-orders symbols, with simple click navigation to add, move or access symbol-specific data and research.

The screenshot displays the 'Watchlist' application interface. At the top, there is a menu bar with options like 'Watchlist', 'Manage', 'Add Section', 'Resize', 'Export', 'Copy', 'Lookup', 'Print', 'Customize', and 'Pause'. Below the menu is a table with columns for 'Symbol', 'Last', 'Change', '% Change', 'Volume', '52wk High', and '52wk Low'. The table is divided into several sections: 'STOCKS', 'CURRENCIES', and 'RESEARCHING'. A context menu is open over the 'CANADIAN' stock entry, showing options such as 'Add Column Before', 'Add Column After', 'Switch Column To', 'Quote Information', 'Earnings Data', 'Share Information', 'Splits', 'Dividends', 'Performance', 'Industry Classification', 'Valuation Measures', 'EPS', 'P/E Ratio', 'P/B Ratio', 'Alpha', 'Risk Measures', 'Beta', 'Option Valuation Measures', 'R-Squared', 'Standard Deviation', '21d MA', '50d MA', '200d MA', 'EV', 'ES ETC', 'ROC', 'ROE', 'ROA', 'ROCLTM', 'ROELTM', 'ROALTM', 'ROICTR', 'ROICRR', 'EBIT Annual', 'EBIT Quarter', 'EBITDA Annual', and 'EBITDA Quarter'. The table data includes symbols like NOK, TZA, RVX.CA, QMCI, HL, MSFT, TSLA, TRX.CA, CHK, VVO, T, WWO, QMCI, XLF, ALF, CE, GD, GOLD, D, CURRENCIES (USD/CAD, USD/USD, USD/JPY, SJP/USD, USD/GBP, SGB/USD), and RESEARCHING (FMKCP, NOG, OGEN, TRXC, GSAT, GSS, BOJ, BTG, INUV, NVE, AUU, RLGT, LLEX, VZJ, TSV, DNN).

# Streaming Portfolios with Custom Column Views

Users can create multiple portfolios, with each portfolio readily toggled for immediate access. The ability to customize workspaces, and their associated modules, provides the opportunity to view multiple portfolios at the same time.

Each Portfolio Module can be easily modified, allowing the user to change, resize, move, add and delete data columns. In addition, portfolios have configurable layouts and column views, with efficient column sorting and quick click access to symbol-specific data and research.

The screenshot displays a 'Portfolio Manager' window with a table of stock holdings. The table includes columns for Symbol, Name, Last, Change, % Change, % Change, Last Trade, Last Vol, Bid, Bid Size, Ask, Ask Size, Volume, 52wk High, 52wk Low, Yield, Dividends, Div Date, EPS, P/E Ratio, Exchange, Currency, Open, Low, and High. The table lists various stocks such as Facebook Inc., Apple Inc., Microsoft Corporation, Barnes Group Inc., and Oracle Corporation.

Below the table, a detailed view for 'ProShares UltraShort Nasdaq Biotechnology' is shown. This view includes a 'Bid & Size' section with Ask & Size, Bid & Size, and Prev Close. It also displays '52wk High', '52wk Low', 'Yield', 'Div & Yld', 'EPS', 'P/E Ratio', 'Exchange', and 'Currency'. A small line chart shows the price movement over time, with a 10m, 11m, 12m, 1pm, 2pm, and 3pm scale.

# Streaming Real-time News and Historical News

The streaming News Module provides access to a wealth of respected real-time news sources, such as Dow Jones News, Business Wire, PR Newswire, Globe Newswire The Fly and many more, as well as filings releases (SEDAR and SEC Filings). The News Module provides not only access to company-specific news, but also broad news access that encompasses portfolio-based, sector-based and topic-based news. The News Module also allows the user to look back in time to access historical news.

The News Story Reader provides the ability to print or copy/paste a story, and offers increased or decreased font size for easier reading. As well, quick access to related news articles, topics and symbols are featured with each story.

**News**

Time EDT	Source	Symbol	News & Filings for All News
23:42:47	SEBK	PSV+	Phillips 66 Partners: AS 3% Yield With No IDRs Moving Forward
23:40:00	PRN		Jubilant Life Sciences annonce la nomination de M. Syed Kazmi au poste de président-directeur général de sa nouvelle entreprise biopharmaceutique innovatrice aux États-Unis - Jubilant Therapeutics Inc.
23:30:00	PRN		East Rift Valley National Scenic Area Administration, Tourism Bureau, MOTC kicks off 2019 East of Taiwan cycling festival in August
23:30:00	PZO	TOWR	SHAREHOLDER ALERT: Rijgrodsky & Long, P.A. Files Class Action Suit Against Tower International, Inc.
23:29:00	PRN		2019 Ancient Castle Dialogue Between East and West Held in Jinzhong, Shanxi Province
23:25:00	PRN		China's leading liquor expo and Octobro province's investment and trade fair open concurrently in Guiyang
23:22:14	UPI		San Francisco 49ers' Tevin Coleman to miss Week 2 against Bengals
23:22:00	PRN		NUO Hotel Beijing Helps Make the 9th British Polo Day China a Galloping Success
23:18:53	SEBK	INTC-	Intel: Value Investment For Future Data Growth
23:09:00	PRN		Kamagaya offers cool dessert for rugby fans
23:00:00	PZO		Headwall Selected to Provide Spectral Imaging Technology for High Speed Detection of Opioid Packages in Real Time
23:00:00	BW	OH	Omega Prices Public Offering of Common Shares on a Forward Basis
22:58:00	PRN	WFTQ	Weatherford Files Second Amended Plan of Reorganization
22:57:47	SEBK	MMP+	Noble Midstream And Williams Companies: Assessing If A Tie-Up Will Happen
22:54:00	CNW		CNN Media Daybook for Tuesday, September 10, 2019
22:50:00	PZO	VAL+	SHAREHOLDER ALERT: CLAIMS FILER REMINDS EVH, TWOU, TXT, VAL INVESTORS of Lead Plaintiff Deadline in Class Action Lawsuits
22:50:00	PZO	CVS+	SHAREHOLDER ALERT: CLAIMS FILER REMINDS CVS, GVA, IFF, INV INVESTORS of Lead Plaintiff Deadline in Class Action Lawsuits
22:50:00	PZO	OMCL+	SHAREHOLDER ALERT: CLAIMS FILER REMINDS JE, MIM, OMCL, RBGLY INVESTORS of Lead Plaintiff Deadline in Class Action Lawsuits
22:50:00	PRN	MDP	MEREDITH CORPORATION SHAREHOLDER ALERT BY FORMER LOUISIANA ATTORNEY GENERAL: Kahn Swick & Fogel LLP Reminds Investors with Losses in Excess of \$100,000 of Lead Plaintiff Deadline in Class Action Lawsuit Against Meredith Corporation - MDP
22:50:00	PZO	CARB+	SHAREHOLDER ALERT: CLAIMS FILER REMINDS CAH, CARB, GTT, VNTR INVESTORS of Lead Plaintiff Deadline in Class Action Lawsuits
22:50:00	PZO	NGHC+	SHAREHOLDER ALERT: CLAIMS FILER REMINDS EGN, KPTI, LB, NGHC INVESTORS of Lead Plaintiff Deadline in Class Action Lawsuits
22:45:00	BW		HPSMobile Receives Test Flight Approval from NASA's Airworthiness and Flight Safety Review Board
22:45:00	STD		Hamilton Bancks Shares SPAN Trading Report
22:45:00	PRN		Xinhua Silk Road: Western Anhui pursues ecological civilization construction
22:41:00	PRN		Xinhua Silk Road: Western Anhui pursues ecological civilization construction
22:34:00	ABNW	PTNUF+	Palma Resources Limited (PTNUF) Share Purchase Plan Offer Booklet
22:30:00	STD		Harris SHAS Trading Report
22:30:00	PRN		Asia-Focused Corporate Services Provider, Acclime, Launches with Six Acquisitions
22:29:00	PRN		Xinhua Silk Road: Western Anhui pursues ecological civilization construction
22:29:00	CNW		Xinhua Silk Road: Western Anhui pursues ecological civilization construction
22:16:14	MCOB		Deal snapshot: WESCOM RESOURCES SELL SYMMETRY EBANKING SUITE
22:15:15	MCOB		Deal snapshot: GEORGIA COMMUNITY BANKS CLOSE COMBINATION TO BECOME HERITAGE SOUTHEAST BANK
22:15:00	STD		Harris SHAS Trading Report
22:13:00	PRN	Tobu	
22:12:00	PRN	UCFC	Braps
22:10:00	BW	6503 OK	Mesa
22:06:45	UPI		Boast
22:06:00	PRN	Hunt	
22:04:50	SEBK	PRTY+	The M
22:01:00	PRN	DXC	Be F
22:00:00	PRN	K.E.F.	
22:00:00	PRN	UNIS	
22:00:00	STD	Hain	
22:00:00	PRN	Hunt	
22:00:00	PRN	MDP	Broq
22:00:00	PRN	Crow	
22:00:00	PRN	Talet	
22:00:00	PZO	OHAF LN+	Notes
22:00:00	BW	GSM	
21:57:00	CNW	OOD CA	Onco
21:50:18	SEBK	SRTY+	The F
21:50:00	FOOL	GE+	The E
21:49:00	FOOL	MIDD	Why
21:48:29	PZO	KLYCA+	Kah
21:45:00	STD	Haet	
21:38:00	UPI	USC	
21:37:00	FOOL	ACB+	Why
21:33:00	CNW	UCA	Unit

**Research**

Company Research | Market Research

Quote: GOOG

Options: Live | Filter | Add Alert | Print

News & Filings for Symbol: GOOG

Time EST	Source	Symbol	News & Filings for Symbol: GOOG
12:42:00	DJN	GOOG+	DJ Tech Giants Face A Tough New Regulator In The UK. Here's Why It Matters. — Barrons.com
08:38:35	SEBK	GOOG-	549.58 Price To Sales Ratio: High
08:37:37	FTV	GOOG-	05:37 EST Amazon to claim 42% of every e-commerce dollar, says Trust
07:56:00	DJN	GOOG+	DJ Next Step in Government Data Tracking is the Internet of Things
01:58:24	SEBK	GOOG+	UK: To curb Google and Facebook's dominance with tougher rules - Reuters
12:33:00	STD	GOOG	What investors think about Alphabet Inc. Class O \$2000 from here
08:19:24	WSPR	GOOG-	Google (NASDAQ:GOOGL) introduces New Policy Change To Unlimited Cap Google Photo Storage At 15GB
06:59:00	DJN	GOOG+	DJ 10 Stocks to Be Thankful for This Thanksgiving - Barrons.com
05:13:19	SEBK	GOOG+	Google's Super App Wakeup Call
01:00:24	SEBK	GOOG-	Why Stocks Are Lazy Headed Higher Into Year-End
11/25/2020	SEBK	GOOG-	Tracking Gardner Russo & Gardner Portfolio - Q3 2020 Update
11/25/2020	SEBK	GOOG+	Cognizant Technology Solutions: FCF Generator Is Buyback-Heavy, Dividend-Light
11/25/2020	FTW	GOOG-	15:56 EDT #SocialBooks: Social media platforms bump heads with foreign governments
11/25/2020	FTW	GOOG-	15:56 EDT #SocialBooks: Social media platforms bump heads with foreign governments
11/25/2020	FTW	GOOG-	15:56 EDT #SocialBooks: Social media platforms bump heads with foreign governments
11/25/2020	DJN	GOOG+	DJ Salesforce Acquisition Of Slack Could Trigger M&A Wave, Analyst Says - MarketWatch
11/25/2020	SEBK	GOOG-	A Historic Capital Rotation Is Hiding In Plain Sight

**DJ Tech Giants Face A Tough New Regulator In The UK. Here's Why It Matters. — Barrons.com**  
By Jack Denton

Tech companies operating in the UK will face a new, specialized regulator that is expected to introduce rules around user data and consumer choice. It is set to curb the market power of companies including Google, owned by Alphabet, and Facebook.

The move from the British government comes as tech giants face new challenges in the European Union within weeks, when draft proposals for legislation governing digital markets come on Dec. 9.

The back story: In July, Britain's Competition and Markets Authority released the results of a year-long study into online platforms and the digital advertising market in the UK. The study specifically investigated the market power of Google and Facebook, describing how the companies overwhelmingly dominate in online search, social media, and advertising, and enjoy incumbency advantages that protect them against rivals and reduce competition.

In March, the CMA was asked to lead a Digital Markets Taskforce to advise the government on the design of a new regulatory regime for digital markets. That task force is due to provide its proposals before the end of the year.

Also read: Big Tech And Antitrust: Where Things Stand

What's new: The British government announced on Friday that it would set up a Digital Markets Unit within the CMA to oversee pro-competition reforms in the tech sector. The new unit will begin operating in April 2021.

"Digital platforms like Google and Facebook make a significant contribution to our economy and play a massive role in our day-to-day lives," said Anshu Sharma, Britain's business secretary. "But the dominance of just a few big tech companies is leading to less innovation, higher advertising prices and less choice and control for consumers."

The regulator will establish rules to govern platforms funded by digital advertising that have "strategic market status" — the designation of which is another task of the new body. Its mandate includes introducing pro-competition interventions around user data, consumer choice, and could extend to breaking up businesses.

Andrea Coscelli, the CMA's chief executive, said that "only through a new pro-competition regulatory regime can we tackle the market power of tech giants like Facebook and Google and ensure that businesses and consumers are protected."

Plus: Google Promises the EU It Won't Use Fitbit Health Data to Target Ads

Looking ahead: Make no mistake: the creation of a new tech regulator with a mandate to target companies like Google and Facebook is trouble for big tech. It comes as these same companies are already facing down the barrel of strict regulation across the English Channel making Europe stand out as a trouble spot.

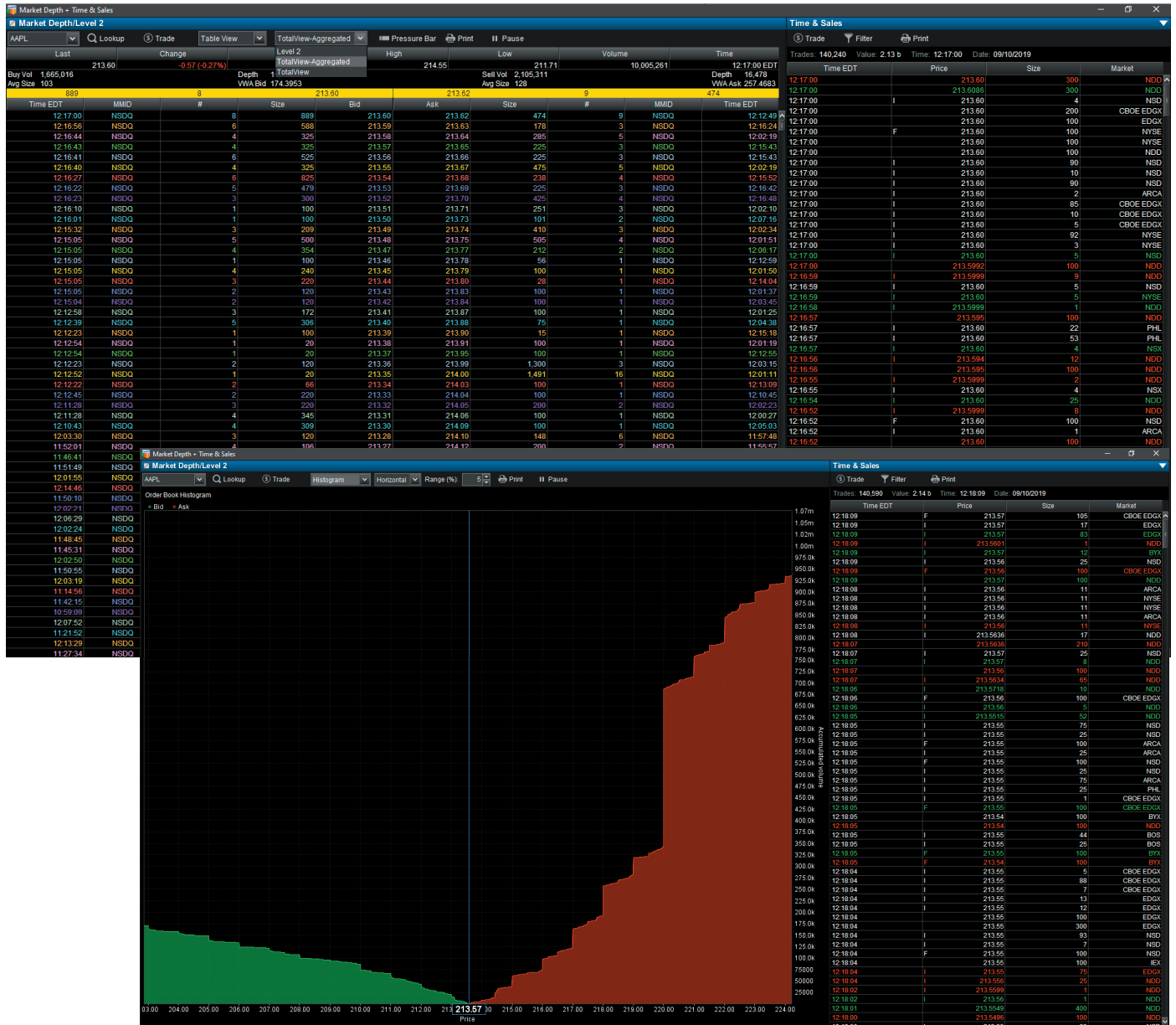
**Related Topics**

- Alphabet Inc. (GOOG)
- Alphabet Inc. (GOOGL)
- Facebook Inc. (FB)
- Computing and Information Technology
- Communication Services
- Internet
- Internet Content & Information
- Interactive Media
- NSD



# Market Depth / Level 2

The Market Depth / Level 2 module streams order book data for up-to-date information on market activity and Bid/Ask offers, and also includes a Level 2 pressure bar for an at-a-glance indication of the trend. The Market Depth Module provides market-specific customization of the display. For example, the Nasdaq with Open View and Total View offers access to various views including Level 2 (the top of the various market participant books), Total View (all orders individually displayed), and Total View-Aggregated (all orders from the Nasdaq market center book). For Canadian markets such as TSX, TSXV and others, and for UK markets, layouts encompass Market by Price, Market by Broker, and Market Book.



# Market Depth / Level 2 + Time and Sales

The Market Depth / Level 2 + Time and Sales Module offers the same comprehensive Market Depth / Level 2 features, and adds dynamically updating Time and Sales into the same view as well.

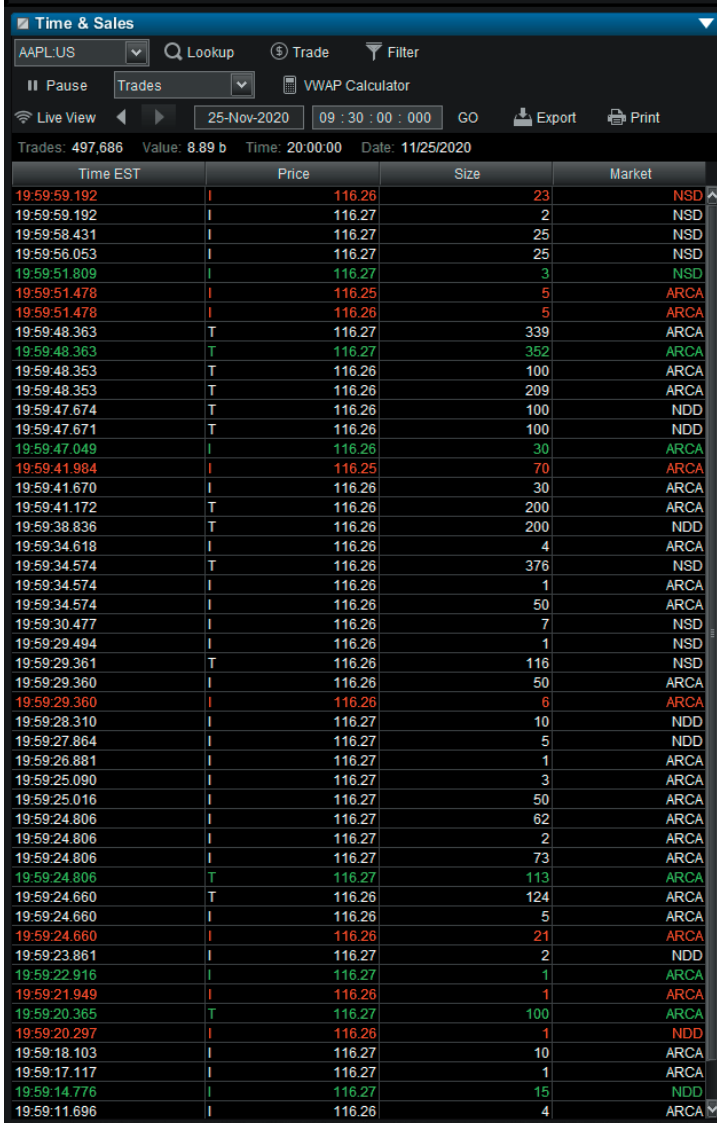
The screenshot displays the 'Market Depth / Level 2 + Time & Sales' window. The top section shows the Level 2 order book for AAPL, with columns for Last, Change, Open, High, Low, Volume, and Time. The main area is split into two panes: 'Time EDT' on the left and 'Time & Sales' on the right. The 'Time EDT' pane shows a list of orders with columns for Time EDT, MMD, Size, Bid, Ask, and Size. The 'Time & Sales' pane shows a list of trades with columns for Time EDT, Price, Size, and Market.

This screenshot shows the same 'Market Depth / Level 2 + Time & Sales' window but with different data. The Level 2 order book at the top shows a different set of bid and ask prices. The 'Time EDT' pane shows a list of orders for various symbols like NSDD, with columns for Time EDT, MMD, Size, Bid, Ask, and Size. The 'Time & Sales' pane shows a list of trades with columns for Time EDT, Price, Size, and Market.

## Time and Sales

While a basic Time and Sales montage can be combined with the Market Depth / Level 2 module, the Time and Sales module is offered with various levels of access to tick-by-tick data for all trades and/or quotes.

The Time and Sales Module offers users the views including Trades, Trades & Quotes, and Trades & VWAP. Fields for Trades & Quotes include Number of Trades, Trade Value, as well as Time, Price, Size, Bid, Bid Size, Bid Exchange, Ask, Ask Size and Ask Exchange. Fields for Trades & VWAP include Cumulative VWAP, Volume, Number of Trades, Trade Value, as well as Time, Price, Size, Bid, Bid Size, Bid Exchange, Ask, Ask Size and Ask Exchange. Filters include Minimum Trade Size, Buyers, Sellers, and results can be set to Buy-side Trades, Sell-side Trades, In-range Trades, Normal Trades, Special Trades, or Block Trades. The ability to filter based on Broker and/or Exchange/Market is also included.



The screenshot shows the 'Time & Sales' window for AAPL.US. The window includes a search bar with 'AAPL.US', a 'Lookup' button, and a 'Trade' button. Below the search bar, there are controls for 'Pause', 'Trades', and 'VWAP Calculator'. The window also displays 'Live View', a date and time selector (25-Nov-2020, 09:30:00), and buttons for 'GO', 'Export', and 'Print'. The main data area shows a table of trades with the following columns: Time EST, Price, Size, and Market. The table contains 497,686 trades with a total value of 8.89 b and a time of 20:00:00 on 11/25/2020. The table is sorted by Time EST in descending order.

Time EST	Price	Size	Market
19:59:59.192	116.26	23	NSD
19:59:59.192	116.27	2	NSD
19:59:58.431	116.27	25	NSD
19:59:56.053	116.27	25	NSD
19:59:51.809	116.27	3	NSD
19:59:51.478	116.25	5	ARCA
19:59:51.478	116.26	5	ARCA
19:59:48.363	116.27	339	ARCA
19:59:48.363	116.27	352	ARCA
19:59:48.353	116.26	100	ARCA
19:59:48.353	116.26	209	ARCA
19:59:47.674	116.26	100	NDD
19:59:47.671	116.26	100	NDD
19:59:47.049	116.26	30	ARCA
19:59:41.984	116.25	70	ARCA
19:59:41.670	116.26	30	ARCA
19:59:41.172	116.26	200	ARCA
19:59:38.836	116.26	200	NDD
19:59:34.618	116.26	4	ARCA
19:59:34.574	116.26	376	NSD
19:59:34.574	116.26	1	ARCA
19:59:34.574	116.26	50	ARCA
19:59:30.477	116.26	7	NSD
19:59:29.494	116.26	1	NSD
19:59:29.361	116.26	116	NSD
19:59:29.360	116.26	50	ARCA
19:59:29.360	116.26	6	ARCA
19:59:28.310	116.27	10	NDD
19:59:27.864	116.27	5	NDD
19:59:26.881	116.27	1	ARCA
19:59:25.090	116.27	3	ARCA
19:59:25.016	116.27	50	ARCA
19:59:24.806	116.27	62	ARCA
19:59:24.806	116.27	2	ARCA
19:59:24.806	116.27	73	ARCA
19:59:24.806	116.27	113	ARCA
19:59:24.680	116.26	124	ARCA
19:59:24.680	116.26	5	ARCA
19:59:24.660	116.26	21	ARCA
19:59:23.861	116.27	2	NDD
19:59:22.916	116.27	1	ARCA
19:59:21.949	116.26	1	ARCA
19:59:20.365	116.27	100	ARCA
19:59:20.297	116.26	1	NDD
19:59:18.103	116.27	10	ARCA
19:59:17.117	116.27	1	ARCA
19:59:14.776	116.27	15	NDD
19:59:11.696	116.26	4	ARCA

## Time & Sales and Quotes

The Time & Sales and Quotes display provides tick-by-tick access to all trades and quotes in the current market session. This view augments the Trades view with further data such as Bid, Ask, Bid Size and Ask Size. Results can also be filtered by Volume, Trade Size, Broker, Buy-side, Sell-side, etc., and Historical Trade Data is available as well.

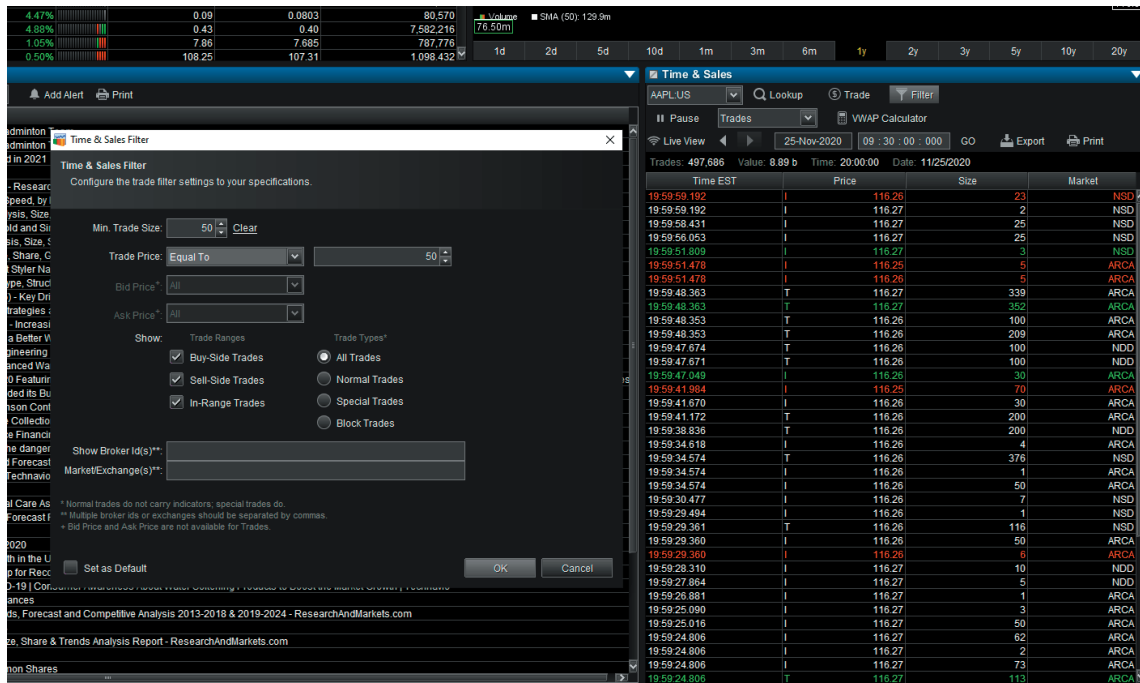
# Historical Time and Sales Module

Historical Time and Sales is an added feature available for the Time & Sales Module, providing access to historical trade data via date and time range input. The data is also downloadable to spreadsheets. Display options can include: Trades - provides a live view and displays the data for the last 50 trades;

Trades & Quotes - provides a live view and displays the data for the last 50 trades as well as the Bid/Ask data based on live activity.

Trades & VWAP - similar to the Trades view, the Trades & VWAP selection provides a live view, with the Historical add-on displaying data for more than the last 50 trades.

The user can filter by Minimum Trade Size, Buyers, Sellers, and can modify result sets by Buy-side Trades, Sell-side Trades, In-range Trades, Normal Trades, Special Trades, or Block Trades. The ability to filter based on Broker and/or Exchange/Market is also included.



# Integrated Charting

Quotestream Charting offers flexible user navigation settings (Moving Averages, Overlays, Lower Indicators, Comparisons, Time Frames, and more), multiple chart type displays (Area, Line, Colored Line, Candlestick, HLC, OHLC, Bar, Colored Bar, etc.), and intuitive design for the smooth facilitation of all use cases, from clear immediate viewing to the most complex technical analysis studies.



File View Workspaces Tools Research Float Trade Help

IRUI Charts Lookup Trade Settings Advanced Unadjusted Show Ex Save Print

1654 1654000  
164000  
163000  
162000  
161000  
160000  
159000  
158000

1d 2d 5d 10d 1m 3m 6m 1y 2y 3y 5y 10y 20y

IRUI Charts Lookup Trade Settings Advanced Unadjusted Show Ex Save Print

27044.34 134.91 (0.50%) 167.0748  
27043

1d 2d 5d 10d 1m 3m 6m 1y 2y 3y 5y 10y 20y

IRUI Charts Lookup Trade Settings Advanced Unadjusted Show Extended Hou Save Print

2992.77 13.38 (0.45%) 0 Interval Size: 1 Hour Date Range: 2y  
2583

1d 2d 5d 10d 1m 3m 6m 1y 2y 3y 5y 10y 20y

IRUI Charts Lookup Trade Settings Advanced Unadjusted Show E Save Print

FTUSLUTLN Cash Flow Yield Long Only Total Re  
5287.68  
3500  
3400  
3300  
3200  
3100  
3000  
2900  
2800  
2700  
2600  
2500

1d 2d 5d 10d 1m 3m 6m 1y 2y 3y 5y 10y 20y

Market Movers

Market	TSX	Name	Symbol	Last	Change	Change %	Volume	Open	High	Low	Trade Value	# Trades
		Encana Corporation	ECCA	6.24	0.07	1.13%	7,179,747	6.24	6.41	6.15	45174234.50	9,675
		Nicox Global Inc.	MCECA	0.45	0.00	0.00%	6,565,175	0.45	0.455	0.441	2954578.00	26
		Crescent Point Energy Corp.	CPSCA	5.35	0.04	0.75%	5,317,569	5.40	5.46	5.22	31077822.00	7,720
		Bayer Energy Corp.	BTECA	1.855	-0.005	-0.27%	4,833,165	1.90	1.94	1.82	9061680.00	2,050
		BetaPro Crude Oil -2x Daily Bear ETF	HODCA	5.06	0.26	5.42%	4,654,907	4.77	5.11	4.73	23093798.20	2,417
		Aurora Cannabis Inc.	ACBCA	8.54	0.29	3.52%	4,641,400	8.28	8.54	8.13	3865024.70	7,938
		Bombardier Inc. Class B Subordinate Votn.	BBDCA	1.975	-0.005	-0.27%	4,143,302	1.99	1.91	1.96	7829988.46	2,247
		Cenovus Energy Inc.	CVECA	12.27	-0.02	-0.16%	3,691,090	12.34	12.47	12.12	45445716.20	9,067
		BetaPro Crude Oil 2x Daily Bull ETF	HOUCA	5.74	-0.34	-5.59%	3,611,935	6.11	6.17	5.685	21223673.60	2,261
		B2Gold Corp.	BTOCA	4.34	0.07	1.64%	3,382,704	4.29	4.41	4.29	14689279.70	3,216

Sector & Index Constituents

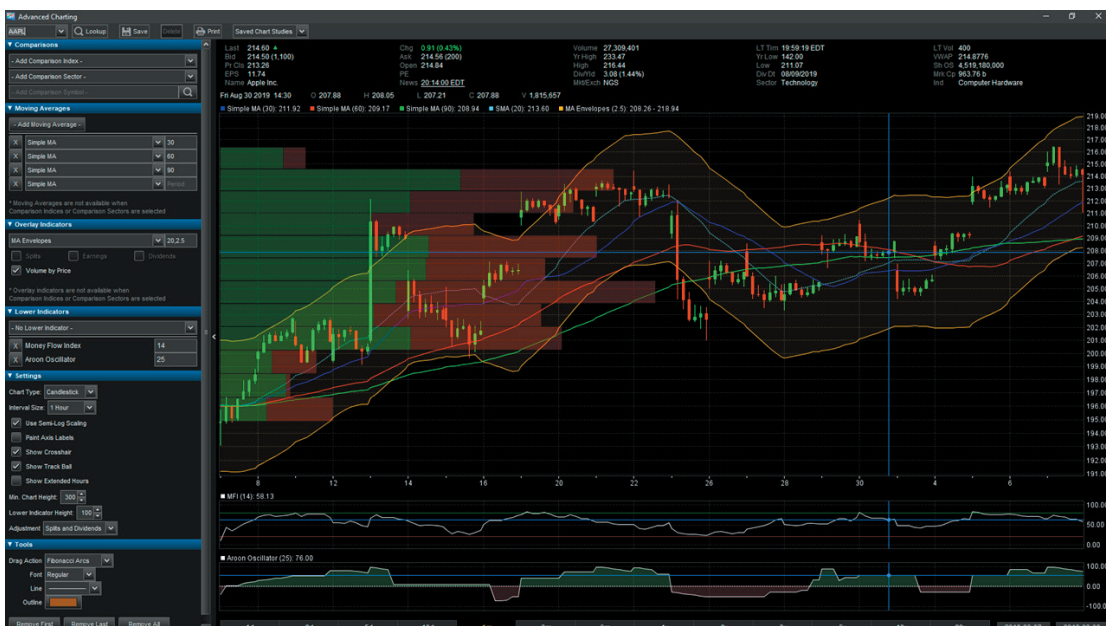
Dow Jones Industrial

Symbol	Name	Last	Change	% Change	Volume
AAPL	Apple Inc.	222.56	5.86	2.70%	32,788,496R
AXP	American Express Compa...	117.82	0.51	0.43%	1,967,577
BA	The Boeing Company	382.08	12.59	3.41%	6,325,975
CAT	Caterpillar Inc.	131.78	1.49	1.14%	5,147,975
CSX	Cisco Systems Inc.	49.95	0.725	1.47%	10,774,044
CVX	Chevron Corporation	120.8536	-1.1964	-0.98%	3,328,560
DIS	The Walt Disney Company	135.9128	0.1228	0.09%	4,823,295
DOW	Dow Inc.	46.7988	0.4789	1.03%	2,116,999

Market Cap: 4,519,100,000  
Yield: 1.40  
Div & Yld: 3.08 (1.42)  
Split Ex-Date  
EPS: 11.74  
PE Ratio  
Dividends: 3.08  
Div Ex-Date: 09/09/2019 EDT  
Market Cap: 979,305,305,000

# Advanced Charting

Advanced Charting can run concurrently with any Workspace, and can be moved to a second monitor. The Advanced Charting module provides streaming intra-day and historical charts with extensive upper and lower indicators and analytics. It provides the user with index, stock, sector, and market comparison charting, overlays, historical and intra-day moving averages, detailed upper indicator analytics, and stackable lower studies, as well as various chart views including Candlestick, OHLC, Line, Mountain and others. Users have the ability to draw on the chart, save current chart settings, as well as send the chart image to their printer.



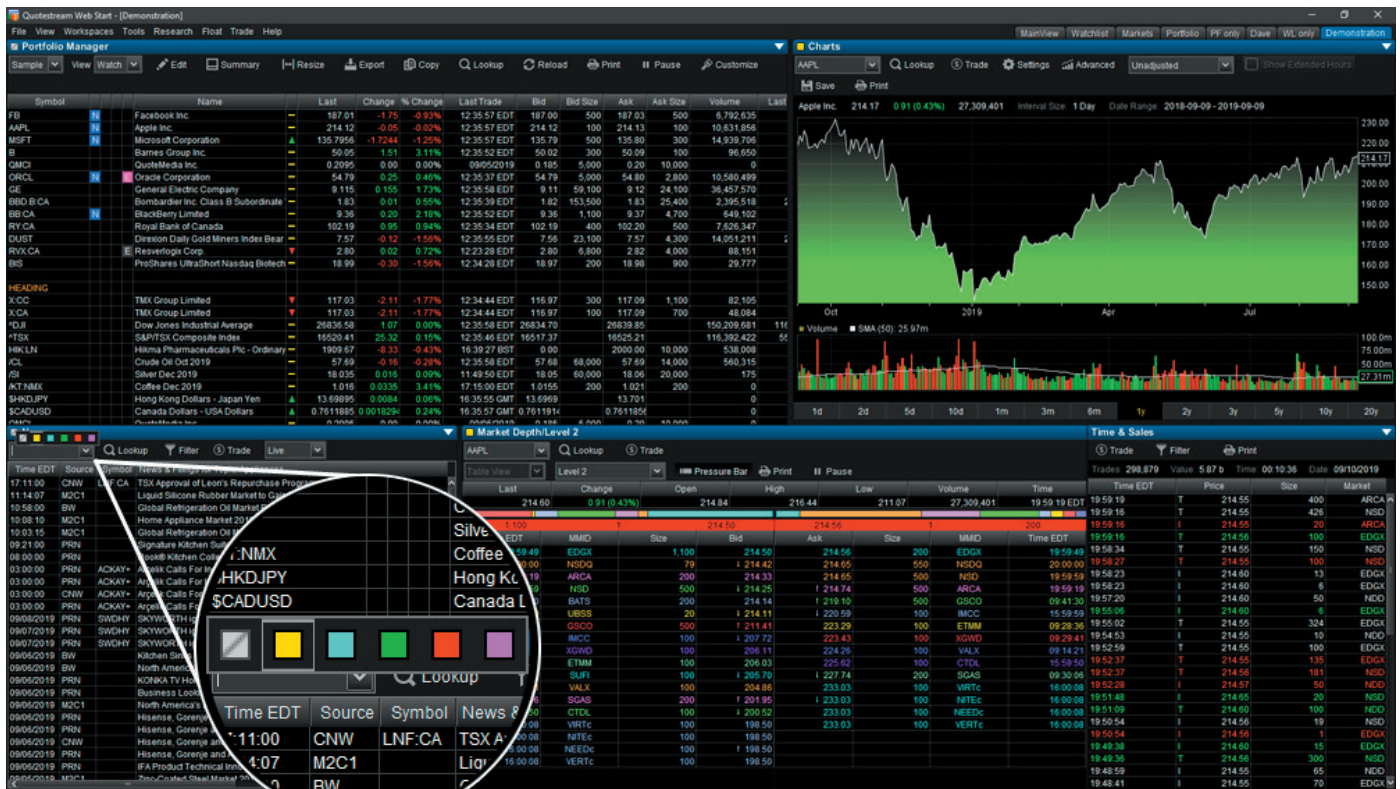
# Tick-By-Tick Charting

The Tick-By-Tick Charting Module provides a number of features to more easily view price actions. It provides the user with the ability to view every tick streaming into a chart with customizable time scales. Additional features include the ability to paint axis labels, show Bid and Ask, Volume, and cross-hairs.



# Linking (Propagation) Between Modules

Quotestream Professional features the ability to connect or cross-link modules. This provides the user the ability to have linked modules update together when a new symbol is entered. One can also drag a symbol from a portfolio or watchlist into any module (i.e. Charts, News, Level 2, etc.) and that module will update with the data for that symbol. Any linked modules will also update concurrently to that newly applied symbol.





# VWAP Calculator

The VWAP Calculator provides users with the ability to calculate the Volume Weighted Average Price for a specified date and within a time period range for that date, using the VWAP Intra-day feature.

This feature can be filtered by Minimum Trade Size, Buyers, Sellers, with the result sets allowing further focus on Buy-side Trades, Sell-side Trades, In-range Trades, Normal Trades, Special Trades, or Block Trades. The ability to filter based on Broker and/or Exchange/Market is also an offered feature.

In addition, the VWAP Date Range function provides users with the ability to calculate VWAP for a period of a number of days using historical data.

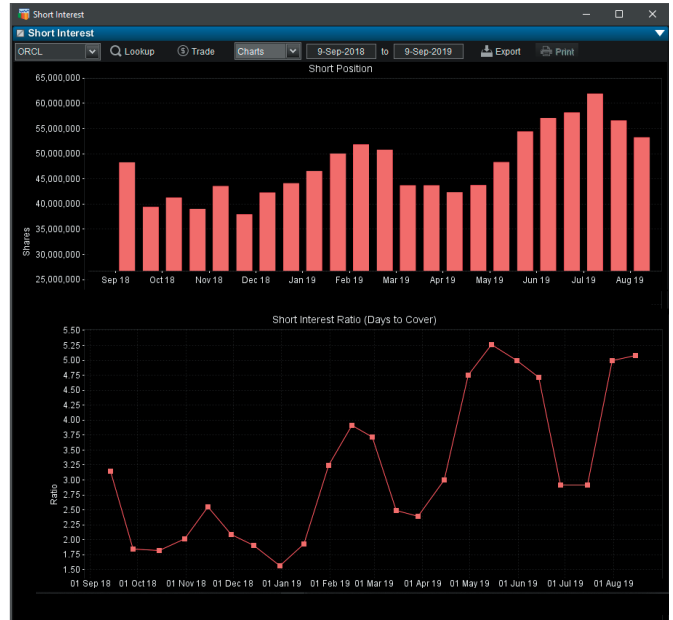
The screenshot shows the 'VWAP Calculator' application window. At the top, there is a 'Symbol' field containing 'AAPL:US' and a 'Lookup' button. Below this are two tabs: 'VWAP Intraday' (selected) and 'VWAP Date Range'. The main display area shows the following information: Symbol: AAPL:US, Period: Nov 27, 2020 09:30:00 to 11:30:00, VWAP: 117.0076, and Volume: 26,873,569. Below this, there are input fields for 'Date' (27-Nov-2020) and 'Time' (09:30:00 to 11:30:00). A 'Filter' section is expanded, showing a 'Min. Trade Size' of 40. Under 'Include:', there are two columns: 'Trade Ranges' and 'Trade Types\*'. In 'Trade Ranges', 'Buy-Side Trades', 'Sell-Side Trades', and 'In-Range Trades' are checked. In 'Trade Types\*', 'All Trades' is selected. There are also checkboxes for 'Normal Trades', 'Special Trades', and 'Block Trades', and a 'Trade Price Range' section with 'Min Price' and 'Max Price' input fields. At the bottom, there are input fields for 'Broker Id(s)\*\*' and 'Market/Exchange(s)\*\*', and 'Clear' and 'Save' buttons. A 'Calculate' button is located at the bottom right. Footnotes at the bottom state: '\* Normal trades do not carry indicators; special trades do.' and '\*\* Multiple broker ids or exchanges should be separated by commas.'



# Short Interest Module

The Short Interest Module provides users with short position statistics in order to evaluate investor sentiment on particular stocks. The data is viewable in table or chart format and can be exported to spreadsheets as well.

Settlement Date	Short Position	Avg Daily Volume	Short Interest Ratio
08/15/2019	53,259,082	10,484,071	5.08
07/15/2019	56,688,295	11,344,348	4.99
06/15/2019	61,932,190	21,282,540	2.91
05/15/2019	58,195,231	19,929,874	2.92
04/15/2019	57,089,684	12,095,272	4.72
03/15/2019	54,428,238	10,907,862	4.99
02/15/2019	48,341,870	9,199,470	5.26
01/15/2019	43,767,291	9,214,167	4.75
12/15/2018	42,355,254	14,118,418	3.00
11/15/2018	43,726,102	18,295,440	2.39
10/15/2018	43,726,093	17,560,800	2.49
09/15/2018	50,788,097	13,652,714	3.72
08/15/2018	51,853,377	13,261,733	3.91
07/15/2018	50,037,308	15,443,614	3.24
06/15/2018	46,558,382	24,120,996	1.93
05/15/2018	44,141,538	28,115,630	1.57
04/15/2018	42,294,449	22,260,236	1.90
03/15/2018	37,974,941	18,169,828	2.09
02/15/2018	43,581,233	17,090,680	2.55
01/15/2018	39,046,015	19,329,709	2.02
12/15/2017	41,292,847	22,888,377	1.82
11/15/2017	39,440,369	21,319,118	1.85
10/15/2017	48,295,713	15,331,972	3.15
09/15/2017	48,935,899	13,707,235	3.57
08/15/2017	51,142,676	16,032,187	3.19
07/15/2017	45,007,779	20,182,861	2.23
06/15/2017	40,965,947	25,927,615	1.58
05/15/2017	32,293,653	21,100,325	1.53
04/15/2017	31,638,690	14,583,877	2.19
03/15/2017	31,014,903	11,616,069	2.67
02/15/2017	31,206,000	11,687,640	2.67
01/15/2017	33,753,230	13,776,929	2.45
12/15/2016	30,102,895	20,968,537	1.50
11/15/2016	36,444,510	20,474,444	1.78
10/15/2016	39,763,574	13,759,022	2.89
09/15/2016	39,735,750	15,282,981	2.60
08/15/2016	43,465,615	16,750,925	2.59
07/15/2016	40,291,071	16,580,688	2.43
06/15/2016	33,913,735	18,840,964	1.80
05/15/2016	29,545,748	18,351,396	1.61
04/15/2016	31,386,932	17,245,567	1.82
03/15/2016	29,743,699	11,710,862	2.54
02/15/2016	29,958,383	12,227,903	2.45
01/15/2016	29,384,653	14,254,686	2.06



# Regional Quotes Montage

The Regional Quotes Montage allows users to view the listed values for all exchanges and alternative trading systems for a particular Canadian or US stock symbol. The montage presents the main consolidated quote, followed by its various market venues. Users get a comprehensive view of trading activity across multiple marketplaces, aiding in executing trade strategies more effectively. The user is able to easily customize the view of data fields, and to download the data.

Marketplace	Last	Bid	Ask	Change	% Change	Volume	% Volume	Last Trade	Trade Value	# Trades	Open	High	Low
New York Stock Exchange	9.105	9.10	9.11	0.148	1.62%	37,059,368	100.00%	12:45:57 EDT	339605754.00	73,044	8.91	9.27	8.90
NYSE Arca	9.11			0.14	1.56%	1,993,048	5.36%	12:43:39 EDT	16287137.10	5,483	8.93	9.27	8.92
Direct Edge EDGX	9.10	9.10	9.11	0.16	1.79%	3,102,577	8.38%	12:45:26 EDT		0	8.95	9.27	8.91
NASDAQ Global Market	9.105			0.135	1.51%	4,124,576	11.14%	12:45:57 EDT	37872777.70	7,288	8.91	9.27	8.91
New York Stock Exchange	9.10			0.14	1.56%	4,966,257	13.41%	12:45:16 EDT	45456943.10	3,078	8.91	9.27	8.91

Marketplace	Last	Bid	Ask	Change	% Change	Volume	% Volume	Last Trade	Trade Value	# Trades	Open	High	Low
CDN Consolidated	102.24	102.23	102.25	1.00	0.99%	8,670,703	100.00%	12:44:17 EDT	880423045.00	16,164	101.25	102.27	101.00
Alpha	102.28			1.02	1.01%	206,542	2.38%	12:44:04 EDT	21042519.60	1,596	101.11	102.27	101.11
NYSE Exchange (TSX/TSXV Listed)	102.25			1.00	0.99%	52,724	0.61%	12:42:46 EDT	5373496.39	425	101.58	102.25	101.345
NEO ATS (TSX/TSXV Listed)	102.24			1.00	0.98%	8,860	0.10%	12:42:29 EDT	898972.00	66	101.41	102.24	101.41
Nasdaq CXC	102.24	102.23	102.25	0.99	0.98%	323,816	3.73%	12:44:17 EDT	32998811.30	2,563	101.16	102.27	101.15
Nasdaq CXC	102.28	102.23	102.26	1.01	1.00%	83,742	0.96%	12:44:04 EDT	9551034.00	963	101.38	102.27	101.28
NASDAQ CXD	102.205			0.95	0.94%	16,829	0.19%	12:31:12 EDT	1714544.62	185	101.31	102.205	101.31
West Canada Cross	101.785			0.95	0.93%	100	0.00%	11:01:27 EDT	10178.50	1	101.785	101.785	101.785
Limx	102.25			1.19	1.18%	5,300	0.06%	12:42:46 EDT	540145.00	53	101.39	102.25	101.39
Omega	102.28	102.20	102.31	1.01	1.00%	166,500	1.92%	12:44:15 EDT	16965919.00	1,591	101.52	102.27	101.35
Canadian Securities Exchange (	102.26			1.02	1.01%	26,507	0.31%	12:44:04 EDT	2700545.51	279	101.25	102.27	101.25
Titix Canada	102.265			1.02	1.01%	103,750	1.20%	12:44:01 EDT	10599808.50	819	101.14	102.275	101.14
Toronto Stock Exchange	102.24	102.23	102.25	1.00	0.99%	7,666,093	88.41%	12:44:17 EDT	778960479.00	7,601	101.15	102.27	101.00

# Net House Summary

The Net House Summary Module provides a summary of trading activity for Canadian securities, either intra-day or via historical date ranges. Data includes the Broker ID and Name, Buy VWAP, Buy Volume, Buy Volume Percent, Buy Value, Sell VWAP, Sell Volume, Sell Volume Percent and Sell Value, as well as Net Volume, Net Value, Total Volume and Total Value. The values can be exported directly or copied to clipboard for pasting into spreadsheets or documents.

Broker ID	Broker Name	Buy VWAP	Buy Vol	Buy Trans.	Buy Vol %	Buy Value	Sell VWAP	Sell Vol	Sell Trans.	Sell Vol %	Sell Value	Net Vol	Net Value
001	Anonmou	99.570	52,076			3,083,786.00	99.573	7,768,303	50,812	17.54%	77,251,077.10	16,009	15,730,155.00
002	RBC Capital Markets	99.511	20,106			3,135,780.00	99.442	1,719,254	10,961	3.88%	17,096,545.00	1,960,103	19,517,024.00
003	AltaCorp Capital Inc.		0			0	99.885	291,012	975	0.66%	2,906,785.90	-2,911,012	-2,906,785.90
004	Canfor Fitzgerald Canada Corp.		0			0	100.320	280,400	2,528	0.63%	28,129,666.90	-280,400	-28,129,666.90
005	Citadel Securities Canada ULC	99.549	4,367			300,151.20	99.504	531,379	5,461	1.20%	5,292,824.00	28,543	287,927.20
007	TD Securities Inc.	99.662	11,315			1,726,649.00	99.554	3,460,718	9,123	7.81%	34,452,964.00	-5,93,531	-5,180,259.40
008	Dundas Capital Partners	99.328	17			1,383.50	99.340	54,800	21	0.12%	54,432.00	-1,000	-99,994.50
009	BMO Nesbitt Burns Inc.	99.726	7,161			10,065,300.00	99.519	1,798,822	9,444	4.06%	17,901,139.00	617,853	6,198,939.10
011	Macquarie Capital Markets Can.	100.756	12			3,020.18	98.016	2,440	20	0.01%	25,676.95	17,756	17,962,284.23
013	Inland Canada Limited	99.390	6,581			70,942,740.00	99.602	1,139,190	7,488	2.57%	11,933,958.00	-5,325	-5,990,294.00
014	ITG Canada Corp.	99.536	937			1,924,840.00	99.630	161,802	863	0.37%	1,612,091.20	111,390	1,107,192.80
015	UBS Securities Canada Inc.	99.697	711			462,346.40	99.710	381,739	2,334	0.86%	3,806,363.30	-245,707	-2,460,101.60
016	Paradigm Capital Inc.		0			0	99.620	15,300	95	0.03%	152,193.00	-15,300	-152,193.00
018	Echelon Wealth Partners Inc.	99.370	11			937.00		0	0	0.00%	0.00	100	937.00
019	Desjardins Securities Inc.	99.865	661		0.29%	12,008,428.70	99.865	92,349	371	0.21%	922,274.71	29,900	2,985,953.99
021	Pavilion Global Markets Ltd.		0		0.00%	0.00	99.183	630	4	0.00%	6,248.50	-630	-6,248.50
022	Fidelity Clearing Canada ULC	99.234	50		0.02%	685,704.50	99.955	4,365	32	0.01%	43,193.00	2,545	25,376.50
023	State Street Global Markets Can.		0		0.00%	0.00	97.736	213,161	247	0.48%	2,082,734.50	-213,161	-2,082,734.50
025	Odlum Brown Limited	99.322	93		0.02%	955,479.95	99.650	12,125	92	0.03%	12,882,531.41	-2,505	-2,527,774.46
026	BBS Securities Inc.	99.879	2,155		0.00%	2,152,338	99.614	2,918	34	0.01%	2,906,723.53	-763	-7,544.35
033	Canaccord Genuity Corp.	99.553	30,500		0.07%	3,269,360.11	98.845	330,798	1,478	0.75%	3,269,786.70	-300,298	-3,296,150.59
035	Friedberg Mercantile Group	99.255	21		0.01%	302,729.00	99.272	3,450	16	0.01%	34,248.00	-400	-397,600.00
036	W.D. Lammers Co. Limited	99.208	39		0.01%	555,563.00	99.420	5,000	34	0.01%	49,102.00	600	5,848.100
039	Merrill Lynch Canada Inc.	99.502	11,822		4.50%	198,169,736.00	99.615	1,761,190	9,257	3.98%	17,544,180.00	230,425	22,727,929.00
043	Caldwell Securities Ltd.	99.948	698		0.00%	6,973.66	98.645	1,105	13	0.00%	10,000.10	-407	-392,39.44
048	Laurentian Bank Securities Inc.	99.108	24		0.01%	297,811.00	98.874	77,471	638	0.17%	76,987.86	-74,567	-737,204.86
053	Morgan Stanley Canada Limited	99.429	9,065		3.26%	143,443,903.00	99.617	2,064,722	14,778	4.68%	20,660,959.00	-622,040	-622,369,06.00
055	Magna Partners Ltd.	100.651	1,400		0.00%	14,011.00	100.147	2,400	18	0.01%	24,035.40	-1,000	-9,944.00
056	Edward Jones	98.823	30		0.01%	5,160,523.63	99.671	11,169	81	0.03%	11,132,281.11	-5,947	-5,975,47.48
057	Interactive Brokers Canada Inc.	98.810	5,192		0.01%	5,153,443.00	100.078	1,350	28	0.00%	13,510.50	3,842	37,843.50
059	PI Financial Corp.	100.825	163		0.05%	203,707.59	99.705	1,742	17	0.00%	17,399.53	16,468	168,365.46
062	Haywood Securities Inc.	99.113	7		0.00%	69,100.00	98.514	2,000	11	0.00%	19,927.00	-1,307	-13,912.20
065	Goldman Sachs Canada Inc.	99.910	1,812		1.62%	7,168,932.30	100.144	628,491	2,236	1.42%	62,938,418.10	89,050	87,490,907.00
068	Leede Jones Gable Inc.	99.471	21		0.01%	238,255.56	99.243	1,500	15	0.00%	14,884.50	908	9,068.105
070	Manulife Securities Incorporated	99.167	26		0.01%	26,062.00	99.902	5,647	52	0.01%	56,417.58	-3,019	-30,335.58
072	Credit Suisse Securities (Canada)	99.841	1,912		0.96%	42,883,818.80	99.877	426,011	1,871	0.96%	425,448,090.00	-1,403	-159,162.10
073	Cormark Securities Inc.	100.080	1		0.00%	10,008.00	97.754	9,000	86	0.02%	89,958.00	-8,000	-87,950.00
074	GMP Securities L.P.	99.210	4,888		0.01%	48,493,951	99.702	29,606	189	0.01%	295,179.86	-24,718	-246,846.35
076	Industrial Alliance Securities Inc.	100.726	351		0.10%	446,183,99	99.438	10,609	136	0.02%	10,430.98	33,688	340,898.01
077	Peters & Co. Limited	97.890	1		0.00%	978.00		0	0	0.00%	0.00	100	978.00
079	CIBC World Markets Inc.	99.531	83,405		25.80%	113,752,300.00	99.511	12,500,642	84,958	23.22%	124,394,100.00	-1,071,819	-1,064,200,00.00
080	National Bank Financial Inc.	99.484	13,732		4.64%	2,041,350.00	99.608	1,827,783	10,999	4.13%	18,206,119.00	228,956	225,520,04.00
083	Mackie Research Capital Corp.	98.818	31		0.01%	4,150,330.39	98.963	8,373	64	0.02%	8,288.18	-4,168	-41,308.81
085	Scotiabank Capital Inc.	100.613	4,278		6.31%	291,046,670.00	100.300	3,470,479	2,839	7.84%	34,000,745.00	-675,557	-6,683,179.00
088	Pittet Canada L.P.	98.877	29		0.01%	47,609.00	100.388	601	4	0.00%	603,333.46	4,199	4,142,750.00
088	Credentia Securities Inc.	98.990	128		0.03%	1,184,018.91	99.325	11,047	111	0.02%	10,972,402.22	914	8,677.89
089	Raymond James Ltd.	99.450	309		0.07%	3,015,688.88	100.177	123,331	743	0.28%	12,354,979.90	-93,048	-93,432,102.00
090	Bardays Capital Canada Inc.	99.427	2,144		0.71%	31,137,899.20	99.968	566,847	3,850	1.28%	56,602,291.10	-253,514	-255,124,913.00
091	JonesTrading Canada Inc.	101.660	30		0.00%	303,180.00	98.773	6,700	35	0.02%	66,177.50	-5,400	-53,148.50
094	Hampton Securities Limited		0		0.00%	0.00	100.380	200	2	0.00%	2,007.00	200	2,007.00
099	JilneyTrade Inc.	99.278	772		0.29%	12,628,888.90	99.485	156,450	876	0.05%	15,564,487.40	-29,900	-29,016,50.00
101	Société Générale Capital Canada	100.147	4,968		8.05%	357,161,153.00	100.721	2,062,415	2,874	4.65%	20,772,804.00	1,503,938	149,433,107.00
104	Questtrade Inc.	99.279	593		0.08%	345,604.39	99.623	25,583	363	0.06%	25,868,072.00	9,230	9,974,817.00
132	Aker Finlay Inc.		0		0.00%	0.00	99.540	300	2	0.00%	2,989.00	-300	-2,989.00
Totals		99.673	44,290,365	240,870	100.00%	441,455,6147.88	99.673	44,290,365	240,870	100.00%	441,455,6151.88	0	-3.99

# Waterfall Ticker

The Waterfall Ticker Module streams Time and Sales for a whole portfolio. All Time and Sales trades are streamed for all symbols in the selected portfolio. Fields include Symbol, Price, Size, Time, Exchange, Buyer and Seller.

The user can filter by Minimum Trade Size, Buyers, Sellers, and result sets can focus on Buy-side Trades, Sell-side Trades, In-range Trades, Normal Trades, Special Trades, or Block Trades. The ability to filter based on Broker and/or Exchange/Market is also included.

Symbol	Price	Size	Time	Market	Bid Price	Bid Size	Bid Mkt	Ask Price	Ask Size	Ask Mkt
GE	8.98	16	18:27:20 EDT	NSD						
GE	8.98	150	18:27:18 EDT	NSD						
GE	8.97	200	18:08:38 EDT	EDGX	118.84	100	TSX	119.50	100	TSX
ORCL	54.54	129,243	18:05:42 EDT	NDD	101.22	1,000	TSX	101.33	800	TSX
L	49.61	17,313	18:05:42 EDT	NDD	2.75	2,000	TSX	2.80	5,800	TSX
GE	8.96	311,162	18:05:26 EDT	NDD	1.38	24,800	TSX	1.40	2,300	TSX
GE	8.96	50	18:04:57 EDT	EDGX	1.82	30,200	TSX	1.83	53,200	TSX
GE	8.97	100	18:04:41 EDT	EDGX	9.16	500	TSX	9.18	900	TSX
GE	8.97		1:17:59:09 EDT	NDD						
GE	8.97		1:17:58:56 EDT	NDD	26748.77	0	DJI	26940.36	0	DJI
GE	8.95		1:17:58:10 EDT	EDGX	16465.76	0	TSX	16521.48	0	TSX
GE	8.95		1:17:57:43 EDT	NDD	0.00	0		0.00	0	
GE	8.97		1:17:56:30 EDT	NDD	18.50	100	NSD	20.00	100	EDGX
GE	8.95		1:17:55:15 EDT	EDGX						
GE	8.95		1:17:55:02 EDT	NDD						
GE	8.95		1:17:55:54 EDT	EDGX						
GE	8.97		2:17:55:52 EDT	NDD						
GE	8.95		2:17:54:55 EDT	EDGX						
GE	8.95		7:17:54:16 EDT	NDD						
GE	8.95		10:17:52:54 EDT	EDGX						
GE	8.95		1:17:52:17 EDT	NDD						
GE	8.95	1,000	17:50:18 EDT	EDGX						
GE	8.99	90	17:50:18 EDT	NDD						
KT.NMX			09/09/2019 17:50		0.00	0	NMX	0.00	0	NMX
GE	8.9631	580	17:49:58 EDT	NDD						
GE	8.96		1:17:49:26 EDT	NDD						
GE	8.99		4:17:49:10 EDT	NDD						
GE	8.96		5:17:48:17 EDT	NDD						
GE	8.99		1:17:48:10 EDT	NDD						
GE	8.96		5:17:48:09 EDT	NDD						
GE	8.98	16	18:27:20 EDT	NSD						
GE	8.99	150	18:27:18 EDT	NSD						
GE	8.97	200	18:08:38 EDT	EDGX	118.84	100	TSX	119.50	100	TSX
ORCL	54.54	129,243	18:05:42 EDT	NDD	101.22	1,000	TSX	101.33	800	TSX
L	49.61	17,313	18:05:42 EDT	NDD	2.75	2,000	TSX	2.80	5,800	TSX

# Portfolio Manager with Waterfall Ticker Module

The Portfolio Manager + Waterfall Ticker Module places the dynamic Waterfall Ticker into a single view alongside any portfolio the user would like to track.

Symbol	Last	Change	% Change	Volume	Trend	High	Low
FB	187.142	-1.618	-0.86%	6,984,153		188.10	186.24
AAPL	214.1231	-0.0469	-0.02%	11,050,443		214.55	211.71
MSFT	135.83	-1.69	-1.23%	15,237,683		136.8862	134.51
B	50.10	1.56	3.21%	100,348		50.14	48.42
QICI	0.2095	0.00	0.00%	0			
ORCL	54.88	0.32	0.59%	10,898,946		54.92	54.14
GE	9.1025	0.1425	1.59%	37,368,653		9.27	8.905
BBB.BCA	1.83	0.01	0.55%	2,535,368		1.84	1.80
BB.BCA	9.34	0.18	1.97%	657,152		9.40	9.08
RY.CA	102.31	1.07	1.06%	7,676,931		102.31	101.00
DUST	7.668	-0.022	-0.29%	14,520,063		7.9134	7.43
RVX.CA	2.80	0.02	0.72%	88,151		2.90	2.80
BS	18.95	-0.34	-1.76%	32,692		19.7389	18.9994
HEADING							
X.CC	116.79	-2.35	-1.97%	86,946		119.14	116.79
X.CA	116.79	-2.35	-1.97%	51,525		119.14	116.79
*DJI	28943.99	8.48	0.03%	154,603,300		28957.30	28717.05
TSX	18524.14	29.85	0.16%	120,377,849		18453.40	18526.80
HKLN	1909.67	-8.33	-0.43%	538,008		1928.50	1873.00
JCL	57.71	-0.14	-0.24%	567,183		58.76	57.30
ISI	18.035	0.016	0.09%	175		18.085	17.77
KT.NMX	1.016	0.0335	3.41%	0			
SHR.DUJY	13.70485	0.0143	0.10%	0		13.712	13.67136
SCPDUSD	0.7809771	0.001618	0.21%	0		0.7813798	0.7580553
QICI	0.2095	0.00	0.00%	0			
IFFUNDS	2.12	-0.01	-0.47%	0		2.12	2.12
ILBOR1M	2.08188	-0.00712	-0.34%	0		2.08188	2.08188
ITB4W	2.01	0.00	0.00%	0		2.01	2.01
L	49.86	0.25	0.50%	275,355		49.86	49.46

Symbol	Price	Size	Time	Market
MSFT	135.83	100	12:48:00 EDT	NDD
MSFT	135.83	100	12:49:00 EDT	NDD
MSFT	135.83	100	12:49:00 EDT	NDD
MSFT	135.83	100	12:49:00 EDT	NDD
C	68.90	100	12:49:00 EDT	EDGA
M	16.885	100	12:49:00 EDT	NSX
M	16.89	100	12:49:00 EDT	EDGA
M	16.88	600	12:49:00 EDT	NDD
M	16.885	600	12:49:00 EDT	NSD
S	6.86	100	12:49:00 EDT	EDGA
HI	29.46	100	12:49:00 EDT	NSD
FB	187.142	152	12:48:59 EDT	NDD
FB	187.1465	4	12:48:59 EDT	NDD
FB	187.15	4	12:48:59 EDT	PHL
FB	187.15	15	12:48:59 EDT	PHL
FB	187.15	40	12:48:59 EDT	CBQE EDGX
FB	187.1466	15	12:48:59 EDT	NDD
FB	187.1465	40	12:48:59 EDT	NDD
SWN	16453.40	2,375	12:48:59 EDT	NDD
AAPL	214.1199	8	12:48:59 EDT	NDD
M	16.885	100	12:48:59 EDT	IEX
M	16.89	100	12:48:59 EDT	NSD
M	16.885	100	12:48:59 EDT	BOS
M	16.89	100	12:48:59 EDT	BYX
M	16.885	100	12:48:59 EDT	NYSE
FB	187.14	700	12:48:59 EDT	NDD
MSFT	135.8225	100	12:48:59 EDT	NDD
MSFT	135.83	300	12:48:59 EDT	EDGA
MSFT	135.83	200	12:48:59 EDT	EDGA
MSFT	135.82	100	12:48:59 EDT	NSD
MSFT	135.82	100	12:48:59 EDT	NSD

# Options Module

The Options Module displays information for all trading options, composite and regional, for a given root symbol. Quotestream Professional provides complete access to option chains and detailed options quotes, as well as Greeks, Implied Volatility, Most Actives, In/Out of the Money, At the Money, All, Composite/Regional, Calls/Puts, and options charts.

The screenshot displays the Options Module interface. The top section shows a list of options contracts for AAPL, including columns for Root, Strike, Expiry, Bid, Ask, Volume, and Open Int. The bottom section provides a detailed view of the AAPL option chain, showing Calls and Puts for various strikes and expirations, with columns for Last, Bid, Ask, Volume, and Open Int.

Root	Strike	Expiry	Bid	Ask	Volume	Open Int
AAPL	215.00	OPRAC Sep 13, 2019	2.18	2.13	26,366	13,177
AAPL	217.50	OPRAC Sep 13, 2019	1.98	1.95	25,844	6,558
AAPL	220.00	OPRAC Sep 13, 2019	0.58	0.57	23,388	18,285
AAPL	220.00	OPRAC Sep 20, 2019	1.39	1.43	11,879	29,746
AAPL	222.50	OPRAC Sep 13, 2019	0.26	0.29	11,812	4,305
AAPL	215.00	OPRAC Sep 20, 2019	3.40	3.50	10,228	22,155
AAPL	215.00	OPRAC Oct 18, 2019	6.72	6.65	6,353	16,180
AAPL	212.50	OPRAC Sep 13, 2019	3.60	3.55	6,832	6,853
AAPL	217.50	OPRAC Sep 20, 2019	2.25	2.20	5,339	4,950
AAPL	210.00	OPRAC Sep 20, 2019	0.13	0.12	5,747	3,652
AAPL	220.00	OPRAC Oct 18, 2019	4.30	4.25	4,400	21,728
AAPL	230.00	OPRAC Sep 13, 2019	0.03	0.03	4,246	2,005
AAPL	210.00	OPRAC Sep 20, 2019	5.55	5.45	3,728	34,455
AAPL	205.00	OPRAC Sep 13, 2019	9.75	9.65	3,650	1,987
AAPL	210.00	OPRAC Sep 13, 2019	5.50	5.30	3,422	7,370
AAPL	227.50	OPRAC Sep 13, 2019	0.05	0.02	3,188	1,473
AAPL	225.00	OPRAC Sep 20, 2019	0.46	0.44	2,983	23,684
AAPL	210.00	OPRAC Oct 18, 2019	9.70	9.25	10,000	18,295
AAPL	222.50	OPRAC Sep 20, 2019	0.81	0.73	1,500	2,045
AAPL	225.00	OPRAC Oct 18, 2019	2.52	2.42	1,920	11,619
AAPL	195.00	OPRAC Sep 20, 2019	20.24	17.40	20.80	9,452
AAPL	230.00	OPRAC Sep 20, 2019	0.14	0.16	1,760	25,748
AAPL	250.00	OPRAC Oct 18, 2019	0.13	0.15	1,656	6,315
AAPL	227.50	OPRAC Sep 20, 2019	0.27	0.24	1,432	2,311
AAPL	220.00	OPRAC Jan 17, 2020	10.70	8.80	1,125	29,305
AAPL	205.00	OPRAC Jan 17, 2020	0.84	0.82	1,100	1,594
AAPL	212.50	OPRAC Sep 20, 2019	4.90	4.75	1,225	4,999
AAPL	230.00	OPRAC Jan 17, 2020	8.65	5.60	7.40	28,974
AAPL	200.00	OPRAC Sep 20, 2019	10.70	9.95	10.90	11,145
AAPL	220.00	OPRAC Sep 27, 2019	2.20	2.18	1,102	1,221
AAPL	275.00	OPRAC Jan 17, 2020	0.43	0.36	1,026	8,038
AAPL	270.00	OPRAC Sep 20, 2019	0.58	0.62	1,005	1,005
AAPL	230.00	OPRAC Oct 18, 2019	1.40	1.34	1.49	13,222
AAPL	240.00	OPRAC Sep 20, 2019	0.03	0.01	0.96	4,297
AAPL	225.00	OPRAC Sep 27, 2019	0.91	0.88	1.03	970
AAPL	215.00	OPRAC Sep 27, 2019	4.45	4.30	1.45	1,780
AAPL	240.00	OPRAC Mar 20, 2020	6.78	5.00	7.00	1,924
AAPL	150.00	OPRAC Jan 17, 2020	65.90	63.40	66.00	26,672

Strike	Change	Bid	Ask	Volume	Open Int	Strike	Change	Bid	Ask	Volume	Open Int
15.04	0.89	14.50	10.10	679	25,188	200.00	0.56	0.52	0.63	2,516	37,033
16.75	0.72	10.70	14.90	83	1,233	202.50	0.77	0.81	0.90	2,015	2,871
10.70	0.85	10.90	10.90	1,115	16,972	205.00	1.08	1.34	1.35	15,778	20,690
8.45	0.80	8.30	8.50	435	2,603	207.50	1.50	1.48	1.57	1,523	2,352
6.90	0.85	6.45	6.55	238	34,065	210.00	2.12	2.31	2.34	6,520	20,675
4.90	0.37	4.75	4.90	1,225	4,999	212.50	2.84	2.89	3.00	3,266	4,041
3.40	0.25	3.35	3.50	10,228	22,155	215.00	4.00	4.00	4.05	6,316	14,780
2.20	0.20	2.20	2.31	5,339	4,550	217.50	5.15	5.35	5.45	1,003	475
1.39	0.07	1.38	1.43	11,879	29,745	220.00	7.00	7.15	10.21	1,021	3,591
0.81	0.02	0.73	1.00	2,945	4,426	222.50	8.90	8.90	6.70	11.10	203
0.45	-0.01	0.44	0.54	2,993	23,684	225.00	11.10	11.10	8.80	13.00	105
0.27	0.01	0.24	1.32	1,432	2,311	227.50	13.20	13.20	11.10	15.60	16
						<b>Calls</b>					
16.85	0.48	13.50	17.75	10	281	200.00	1.08	1.00	1.23	616	1,584
13.80	1.15	11.70	14.50	120	297	202.50	1.30	1.30	0.95	1.69	356
11.30	0.56	11.10	11.30	40	585	205.00	1.67	1.79	1.79	417	887
9.60	0.98	9.15	9.35	83	891	207.50	2.25	2.22	2.32	360	529
7.60	0.83	6.45	7.55	611	630	210.00	2.88	2.88	3.05	1,641	838
5.85	0.45	5.70	5.85	314	1,813	212.50	3.80	3.80	3.90	770	465
4.45	0.40	4.30	4.45	959	1,780	215.00	4.82	4.85	5.00	1,436	247
3.20	0.20	3.10	3.20	757	1,902	217.50	5.90	6.15	6.30	70	54
2.20	0.15	2.18	2.25	1,102	1,221	220.00	7.45	7.70	7.85	50	124
1.46	0.08	1.40	1.48	254	752	222.50	8.88	9.15	11.45	19	34
0.81	0.01	0.68	1.02	870	1,452	225.00	11.33	12.20	13.40	12	54
0.56	-0.01	0.54	1.65	372	681	227.50	12.97	13.40	15.70	10	10
						<b>Oct-04-19 (25 Days)</b>					
16.26	0.48	14.50	18.30	50	109	200.00	0.90	0.80	1.00	136	263
14.45	1.09	13.85	14.05	6	66	202.50	1.87	1.94	1.94	54	191
13.10	1.23	11.80	12.00	34	340	205.00	2.33	2.27	2.42	83	1,213
10.95	0.99	9.80	10.10	29	510	207.50	2.95	2.91	3.05	184	159
9.30	0.90	8.15	8.30	162	1,056	210.00	3.65	3.65	3.80	241	187
6.88	0.53	6.55	6.70	125	872	212.50	4.60	4.55	4.65	74	137
5.28	0.33	5.00	5.25	388	649	215.00	5.65	5.60	5.75	248	618
4.10	0.35	3.90	4.00	220	278	217.50	6.80	7.00	7.00	219	87
3.70	0.13	2.77	3.00	435	1,773	220.00	8.30	8.30	8.50	39	80
2.19	0.18	1.07	2.15	136	214	222.50	10.05	10.00	10.15	3	0
1.44	0.09	0.85	1.40	212	619	225.00	12.28	12.28	13.40	1	54
0.98	0.00	0.65	1.25	203	437	227.50	11.70	11.70	15.05	0	0
						<b>Oct-11-19 (32 Days)</b>					
19.24	0.78	14.50	18.80	3	15	200.00	1.93	1.50	2.15	291	296
14.70	0.45	12.30	16.80	3	18	202.50	2.32	1.91	1.91	82	241
13.35	1.09	10.40	14.90	12	138	205.00	2.84	2.85	3.15	212	253
10.78	0.50	9.50	12.00	15	114	207.50	3.55	3.55	3.80	75	355
9.20	0.48	7.20	11.30	39	561	210.00	4.26	4.26	4.87	120	488
7.60	0.43	5.30	8.70	129	317	212.50	5.13	5.13	4.00	58	101
6.80	0.40	5.60	7.15	347	1,069	215.00	6.15	6.15	7.00	157	87
4.87	0.32	3.10	5.70	394	202	217.50	7.63	5.40	5.20	26	0
3.70	0.25	3.50	4.50	238	498	220.00	9.00	8.80	11.10	20	38
2.84	0.19	0.94	4.00	46	78	222.50	10.68	11.50	11.50	1	17
2.05	0.09	0.85	2.45	163	619	225.00	12.05	12.05	14.60	2	2
1.50	0.02	1.40	1.90	20	32	227.50	12.10	12.10	15.40	0	0

# Stocks, Mutual Funds, and ETFs Screening

The Stock Screener allows for comprehensive stock screening. Hundreds of screening criteria are available, including Share Performance, Average Share Volume, Exchange, Dividend, Income Growth Rates, Margins, Turnover, Growth, Ownership, Market Cap, and much more.

The Mutual Funds Screener allows the user to quickly run scans based on a wide array of criteria, including NAV Description, Performance, Performance Return, Cost and Expense, Load Type, Expense Ratio and much more.

The ETF Screener allows the user to quickly run scans based on a wide variety of criteria, including Exchange, Sector, Holdings and much more.

The screenshot displays a comprehensive financial software interface with several key components:

- Portfolio Manager:** A table listing various stocks and their performance metrics.
 

Symbol	Name	Last	Change	% Change	High	Low
FB	Facebook Inc	188.76	1.27	0.68%	189.00	188.00
APPL	Apple Inc	214.17	0.31	0.14%	214.00	213.00
MSFT	Microsoft Corporation	137.52	-1.56	-1.14%	138.00	137.00
- Charts:** A line chart showing the price movement of ProShares UltraShort Nasdaq Biotechnology (19.29) from 2017 to 2019. The chart shows a significant peak in late 2018 followed by a sharp decline in early 2019.
- Market Movers:** A table of stocks with significant price changes.
 

Symbol	Name	Last	Change	% Change	Volume
AT&T Inc	AT&T Inc	36.79	0.54	1.49%	117,895,963
Chesapeake	Chesapeake	1.68	0.15	9.52%	96,568,618
Bank of Am	Bank of Am	28.63	0.90	3.25%	68,629,343
- Market Depth/Level 2:** A table showing the order book for a stock, including bid and ask prices, sizes, and times.
 

Time	EDT	Time	EDT	Price	Size	Market
12:18:54	GSCO	1400	177.97	1400	177.97	1400
15:59:59	MCO	100	78.90	100	78.90	100
- Custom Quote Grid:** A detailed view of a stock's quote, including earnings, EPS, and other financial metrics for Apple Inc (NGS).
 

Metric	Value
Last	214.17
Change	0.31
% Change	0.14%
Volume	27,309,401
EPS	2.18
EPS Surplus	3.01%
EPS	11.74
EPS	11.74
- Stock Screener:** A window for defining and running stock screens. It includes a list of criteria such as Market Capitalization, Share Performance, and Dividend Yield. A table shows the results of a screen:
 

Company Name	Price	Trade Time	Market Cap	Div Yield	ROE	ROA	PE Ratio	Quick Ratio
International Business Machn	142.60	6:30 PM EDT Sep 9, 2019	126,330	4.698%	48.93	6.39	13.80	1.70
GSCO	177.97	11:52 AM EDT Sep 9, 2019	125,850	3.972%	48.93	6.39	13.80	1.70
MCO	78.90	6:30 PM EDT Sep 9, 2019	80	3.877%	27.23	9.38	13.70	3.40

# Premium Mutual Fund and ETF Research

The Mutual Fund and ETF Research Module provides in-depth information covering Overview, Profile, Performance, Risk Analysis, Attributes, Assets, Holdings, Detailed Insights and much more. QuoteMedia offers a comprehensive database offering with detailed insights into a wide range of U.S. and Canadian Mutual Funds, Exchange Traded Funds and other fund investment products, all licensed through a single source with flexible terms and robust delivery methods.

### Overview

**BNY Mellon Technology Growth Fund** Mutual Fund

Symbol: DTGCKX December 13, 2019

Last: **24.85** \$ Chg: **0.09** 0.36349% Investment Style: Large Growth

**Investment Objective**

The investment seeks capital appreciation. To pursue its goal, the fund normally invests at least 80% of its net assets, plus any borrowings for investment purposes, in the stocks of growth companies of any size that the adviser believes to be leading producers or beneficiaries of technological innovation. Up to 25% of the fund's assets may be invested in foreign securities. In choosing stocks, the fund looks for technology companies with the potential for strong earnings or revenue growth rates.

1M 3M 6M 1Y 3Y 5Y 10Y

**Fund Statistics**

Fund Category: **Technology** Price To Book: **7.84** Net Assets: **293.44m**

Market Value: **8.44m USD** Turnover: **69.92%** Total Assets: **8.44m**

Return On As: **4.17** Market Capital: **65,246.20** Dividend Freq: **Annually**

Return On Eq: **11.46** Price To Earn: **31.60** Dividend Amt: **6.8121 USD**

Price To Cas: **20.20** Price To Rev: **6.02029** TTM Yield: **0.00%**

Book Value G: **6.69** Cash Flow Gr: **13.68** Dividend Yield: **0.00% as of December 10, 2019**

5 Year Earam: **14.15** Revenue Gro: **11.83**

**Fund Assets Info**

**Asset Allocation**

- US Stock: ■
- Non US Stock: ■
- Cash: ■

**Asset Breakdown** % of Mix

- US Stock: **85.5%**
- Non US Stock: **13.69%**
- Cash: **0.76%**

**Sector Allocation** % Equity

- Technology: **78.42%**
- Consumer Cyclical: **9.34%**
- Communication Services: **9.12%**
- Financial Services: **4.35%**

**Country Allocation** % Allocation

- United States: **85.5%**
- China: **7.21%**
- Taiwan: **4.47%**
- Canada: **2.01%**

Funds data as of November 30, 2019

### Profile

**BNY Mellon Technology Growth Fund** Mutual Fund

Symbol: DTGCKX December 13, 2019

Last: **24.85** \$ Chg: **0.09** 0.36349% Investment Style: Large Growth

**Summary and Structure**

Fee Information \$ Amt

Management Fee %: **0.75%**

Prospectus Date: **December 31, 2018**

Available For Retirement Plan: **No**

Available For Pension Plan: **No**

Available For 529 Only: **No**

Hedgefund: **No**

**Fund Company Information**

Company Name: **BNY Mellon Advantage Fund...**

Company Website: <https://im.bnymellon.com>

State/Province: **NY**

Street Address: **Advantage Funds, Inc. 200 Park Avenue**

City: **New York**

Zip/Postal: **10166**

Country: **United States**

Country Of Registration: **United States**

**Purchase Info**

Minimum Initial Investment: **1,000.00 USD**

Minimum Subsequent Investment: **100**

**Availability**

US AK, AL, AR, AZ, CA, CO, CT, DC, DE, FL, GA, GU, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NM, NV, NY, OH, OK, OR, PA, PR, RI, SC, SD, TN, TX, UT, VA, VT, WA, WI, WY

**Matthew Griffin, Manager**

Mr. Griffin has been a portfolio manager of the fund since December 2008 and is a Research Analyst on TBCAM's Core Research Team, covering the technology sector. Mr. Griffin has been employed by TBCAM since in 2006. Mr. Griffin has been a dual employee of TBCAM and Dreyfus since January 2009. (Start Date: 2008-12-31)

**Erik A. Swords, Manager**

Mr. Swords, a director and senior research analyst and portfolio manager with The Boston Company Asset Management, LLC (TBCAM), an affiliate of Dreyfus since 2005, has been a portfolio manager since December 2008. Mr. Swords also has been an employee of Dreyfus since 2009. (Start Date: 2008-12-31)

### Fund Performance

Period:	Return	Peer Return	Rank	Cat. Size
1 Month	5.9562%	5.175649%	63	244
3 Month	3.04818%	8.067182%	222	241
6 Month	7.67123%	15.982141%	219	238
1 Year	11.57235%	23.418464%	217	231
3 Year	18.08751%	21.455311%	164	195
5 Year	12.10527%	15.836479%	154	179
10 Year	13.68195%	15.648489%	128	152
15 Year	8.8135%	11.28724%	88	112
20 Year	3.0054%	5.253157%	37	52
Inception Date	4.9991%	11.532299%	-	-

Funds data as of November 30, 2019

### Portfolio

**Performance**

Name	Symbol	Weight%	YTD	Market Val	PB Ratio	Currency	Country	Sector
Microsoft Corporation	MSFT	3.63%	55.901%	34,861,881,327.03	11.189	USD	US	IT
Apple Inc.	AAPL	3.35%	80.0542%	18,570,336,919.45	13.739	USD	US	IT
Amazon.com Inc.	AMZN	2.47%	17.7926%	1,919,672,451.42	15.523	USD	US	IT
Facebook Inc.	FB	1.53%	50.9802%	10,984,512,753.42	6.005	USD	US	IT
Berkshire Hathaway Inc.	BRK.B	1.34%	11.1022%	8,874,233,216.12	1.395	USD	US	IT
J.P. Morgan Chase & Co.	JPM	1.25%	45.0811%	13,871,289,365.28	1.625	USD	US	IT
Alphabet Inc.	GOOG	1.24%	31.4355%	1,353,013,082.22	4.815	USD	US	IT
Alphabet Inc.	GOOGL	1.24%	30.2155%	1,362,755,394.21	4.813	USD	US	IT
Johnson & Johnson	JNJ	1.15%	12.9595%	12,051,086,197.17	6.41	USD	US	IT
Procter & Gamble Company (The)	PG	1.03%	40.4385%	11,425,646,796.46	6.607	USD	US	IT

Funds data as of November 30, 2019



# Market Indices Module

The Market Indices Module provides dynamically updating Last, Change, % Change, along with Open, High, Low values for a wide range of North American and Global Markets Indices. Users can easily choose which Markets from which countries to display.

The screenshot displays the Market Indices Module interface. The main window shows a table of market indices with columns for Name, Symbol, Last, Change, % Change, Open, High, and Low. A dialog box titled 'Edit Indices' is open, allowing users to select and organize indices. The dialog has two panes: 'Select Indices' and 'Organize Indices'. The 'Select Indices' pane shows a list of indices with checkboxes for selection. The 'Organize Indices' pane shows a list of selected indices with checkboxes for organization. The main window table shows the following data:

Name	Symbol	Last	Change	% Change	Open	High	Low
13 Week Treasury Bill Index	*RFX	19.08	-0.02	-0.10%	19.18	19.23	19.08
CBOE Interest Rate 10 Year T Note	*FINX	16.22	0.72	4.60%	15.96	16.35	15.87
Dow Jones Industrial Average	*DJI	28655.51	39.95	0.14%	28616.23	28909.83	28762.41
Dow Jones Transportation Average	*DJT	10510.55	207.64	2.02%	10339.47	10516.72	10336.61
Dow Jones Utility Average	*DJU	84.54	1.95	2.32%	84.50	84.59	84.29
NASDAQ Composite	*NASDAQ	8087.43737	-15.63994	-0.19%	8130.90981	8131.65513	8052.34489
NASDAQ-100	*NDX	7832.48321	-20.13534	-0.26%	7876.40395	7877.44445	7765.85887
NYSE American Composite Index	*NYSE	2482.2711	13.0215	0.53%	2465.6994	2481.7122	2465.0894
NYSE Composite Index	*NYSE	12980.7209	27.3447	0.21%	12975.0151	12975.0151	12925.4091
Russell 1000	*RUS1K	1645.8016	-0.85299	-0.04%	1647.82881	1651.83022	1640.58906
Russell 1000 Growth	*RUG	1617.48627	13.3835	0.83%	1632.72295	1635.88165	1611.00108
Russell 2000	*RUS2K	1524.23075	19.06584	1.27%	1507.52727	1526.69891	1506.76953
Russell 2000 Growth	*RUGO	989.414411	2.712125	0.27%	987.00062	993.811974	982.20094
Russell 3000	*RUS3K	1744.37983	3.74448	0.21%	1745.21116	1749.11693	1738.15295
S&P 100	*S100	1316.78	1.05	0.08%	1320.71	1312.55	1312.55
S&P 400 Mid Cap Ix	*SP400	1928.46	18.95	0.98%	1919.95	1928.57	1911.58
S&P 500	*SP500	2978.43	-0.20	-0.01%	2988.43	2989.43	2969.39
Treasury Yield 30 Years	*TYX	20.98	0.73	3.60%	20.70	21.16	20.64
Treasury Yield 5 Years	*TY5	14.79	0.11	0.75%	14.81	14.87	14.49
S&P/TSX 60 Canada Revenue Exposure Index	*60CRX-CA	230.853844	-0.050558	-0.02%	230.91	230.91	230.91
S&P/TSX 60 Capped Index	*TSX-CA	1089.39	0.13	0.01%	1094.19	1094.40	1086.91
S&P/TSX 60 Carbon Efficient Index	*TSX-CA	191.424895	-0.220493	-0.12%	191.42	191.42	191.42
S&P/TSX 60 ESG Factor Weighted Index	*TSX-CA	1286.70187	-0.39522	-0.03%	1286.70	1286.70	1286.70
S&P/TSX 60 Equal Weight Index	*TSX-CA	150.11	0.67	0.44%	150.95	150.95	149.87
S&P/TSX 60 Fossil Fuel Free Carbon Efficient Index	*TSX-CA	153.922964	-0.230769	-0.15%	153.92	153.92	153.92
S&P/TSX 60 Fossil Fuel Free Index	*TSX-CA	1621.48783	-8.91583	-0.54%	1621.48	1621.48	1621.48
S&P/TSX 60 Index	*TSX-CA	985.16	0.33	0.03%	989.50	989.70	982.92
S&P/TSX 60 Shariah Index	*TSX-CA	143.40	-2.44	-1.67%	146.04	146.04	143.12
S&P/TSX 60 U.S. Revenue Exposure Index	*60RXC-CA	212.804911	-1.562785	-0.73%	212.80	212.80	212.80
S&P/TSX Canadian Dividend Aristocrats Index	*TSX-CA	271.84	0.26	0.10%	271.84	271.84	271.84
S&P/TSX Capped Communication Services Index	*TSX-CA	178.21	-0.07	-0.04%	177.67	178.25	177.20
S&P/TSX Capped Composite Index	*TSX-CA	1910.78	-46.62	-2.44%	1910.52	1910.78	1907.92
S&P/TSX Capped Consumer Discretionary Index	*TSX-CA	206.30	0.17	0.08%	206.30	206.30	206.30
S&P/TSX Capped Consumer Staples Index	*TSX-CA	664.13	1.21	0.18%	664.13	664.13	664.13
S&P/TSX Capped Energy Index	*TSX-CA	131.09	2.97	2.32%	131.09	132.26	129.28
S&P/TSX Capped Financial Index	*TSX-CA	301.72	1.47	0.49%	300.87	301.83	300.52
S&P/TSX Capped Health Care Index	*TSX-CA	93.16	-1.56	-1.65%	95.58	95.90	92.48
S&P/TSX Capped Industrials Index	*TSX-CA	272.91	1.30	0.48%	271.14	271.84	271.84
S&P/TSX Capped Information Technology Index	*TSX-CA	113.09	-2.39	-2.10%	116.32	116.32	112.13
S&P/TSX Capped Materials Index	*TSX-CA	225.45	0.75	0.33%	225.76	225.76	224.56
S&P/TSX Capped REIT Income Index	*TSX-CA	137.35475	-0.7054	-0.51%	137.35	137.35	137.35
S&P/TSX Capped REIT Index	*TSX-CA	191.96	-0.81	-0.42%	192.95	192.99	191.44
S&P/TSX Capped Real Estate Index	*TSX-CA	248.57	-0.70	-0.28%	248.11	248.57	247.13
S&P/TSX Capped Utilities Index	*TSX-CA	278.89	1.09	0.39%	278.78	279.87	277.02
S&P/TSX Completion Index	*TSX-CA	899.23	-0.92	-0.09%	1002.43	1003.37	996.93
S&P/TSX Composite Canada Revenue Exposure Index	*TSX-CA	640.26	0.20	0.03%	638.04	638.04	638.04
S&P/TSX Composite Canada Revenue Exposure Index	*TSX-CA	158.863426	-0.089571	-0.06%	158.86	158.86	158.86
S&P/TSX Composite Dividend Index	*TSX-CA	131.51	-0.02	-0.02%	131.74	131.78	131.27
S&P/TSX Composite Enhanced Value - Lowest Quality	*TSX-CA	211.876696	-3.611152	-1.68%	211.87	211.87	211.87
S&P/TSX Composite Enhanced Value Index	*TSX-CA	477.910761	6.215241	1.32%	477.91	477.91	477.91
S&P/TSX Composite Equal Weight Index	*TSX-CA	120.52	-0.14	-0.12%	121.00	121.00	120.32
S&P/TSX Composite Fossil Fuel Free Canada Revenue Exposure Index	*TSX-CA	150.11	0.67	0.44%	150.95	150.95	149.87
S&P/TSX Composite High Beta Index	*TSX-CA	15.56	0.25	1.53%	16.43	16.66	16.43
S&P/TSX Composite High Dividend Index	*TSX-CA	156.95	-0.24	-0.15%	157.14	157.14	156.95
S&P/TSX Composite High Dividend Index	*TSX-CA	1645.80	-0.24	-0.01%	1645.80	1645.80	1645.80
S&P/TSX Composite Index (Net TR)	*TSX-CA	200.07896	-0.465191	-0.23%	200.07	200.07	200.07
S&P/TSX Composite Low Volatility High Dividend Index	*TSX-CA	157.45524	0.20825	0.13%	157.45	157.45	157.45
S&P/TSX Composite Low Volatility Index	*TSX-CA	157.45524	0.20825	0.13%	157.45	157.45	157.45

The 'Edit Indices' dialog box shows a list of indices to be selected and organized. The 'Select Indices' pane has checkboxes for various indices, and the 'Organize Indices' pane has checkboxes for organizing the indices. The dialog also includes a 'Set as Default' button and 'OK' and 'Cancel' buttons.

# Market Movers

The Market Movers Module provides real-time information for all North American equity exchanges as well as LSE. The categories allow the user to focus in on a specific subset of leaders, as well as look at the entire list. Categories include: Volume Actives, Dollar Gainers/Losers, Percent Gainers/Losers, Dollar Volume Actives, 52 Week High, 52 Week Low, Market Hours, Pre Market and After Hours, as well as Display by Sector.

Market	NYSE	Volume Actives	Market Hours	Sectors	Last	Change	Change %	Volume	Open	High	Low	Trade Value	# Trades
AT&T Inc.		Dollar Gainers	Market Hours	All Sectors	36.79	0.54	1.49%	117,865,963	37.02	38.14	36.71	4386284570.00	323,040
Chesapeake Energy Corporation		Dollar Decliners	Pre Market	Basic Materials	1.89	0.31	16.62%	94,588,618	1.61	1.90	1.60	163240347.00	86,643
VanEck Vectors Gold Miners ETF		Percent Gainers	After Hours	Communication Services	27.73	-0.75	-2.63%	90,351,909	28.63	27.63	27.63	244527650.00	171,371
Bank of America Corporation		Percent Decliners		Consumer Cyclical	28.63	0.90	3.25%	68,629,343	28.00	28.469	27.97	1892228420.00	192,795
Financial Select Sector SPDR Fund		Dollar Volume Actives		Consumer Defensive	27.86	0.42	1.53%	67,796,106	27.63	27.97	27.57	1818669270.00	92,054
SPDR S&P 500 ETF Trust		52 Week High		Energy	299.20	0.15	0.05%	51,290,290	299.14	299.24	297.16	14989093300.00	241,469
General Electric Company		52 Week Low		Financial Services	8.96	0.25	2.87%	49,960,546	8.75	9.05	8.73	428328318.00	99,990
Snap Inc. Class A				Healthcare	15.31	-1.31	-7.88%	49,568,131	16.35	16.63	15.155	761971832.00	179,108
Ford Motor Company				Industrials	9.54	0.20	2.14%	48,059,395	9.39	9.65	9.39	439426832.00	75,978
SPDR Oil & Gas Exploration & Production ETF				Real Estate	72.45	1.25	1.63%	49,276,337	22.44	23.51	22.44	1044189188.00	113,920
Calion Petroleum Company				Technology	0.63	0.63	15.44%	38,771,523	4.35	4.74	4.31	172447605.00	126,901
iShares MSCI Emerging Markets ETF				Application Software	0.13	0.13	10.00%	38,554,203	41.26	41.50	41.25	1498747500.00	51,972
Direxion Daily Gold Miners Index Bear 3X Shares				Communication Equipment	0.57	0.01	1.75%	32,792,752	7.02	7.78	6.94	239955216.00	48,908
Southwestern Energy Company				Computer Hardware	0.30	0.30	16.58%	32,606,632	1.99	2.26	1.99	63937240.00	55,662
Stack Technology Inc. Class A				Online Media	2.46	-2.46	-99.99%	29,281,831	27.58	27.60	23.93	734028183.00	134,389
Wells Fargo & Company				Semiconductors	1.26	2.67	211.90%	27,651,420	47.32	48.64	46.89	1299107990.00	168,633
Consumer Staples Select Sector SPDR Fund					61.30	-0.14	-0.23%	27,082,417	61.41	61.47	61.13	1637885980.00	54,842
iShares Silver Trust					16.83	-0.04	-0.24%	26,029,994	16.93	17.01	16.80	43743866.00	26,621
iShares Russell 2000 ETF					151.91	2.01	1.33%	25,780,070	150.57	152.24	150.05	3948164480.00	136,680
Energy Select Sector SPDR Fund					60.21	1.18	2.00%	24,757,225	59.40	60.35	59.39	1455028470.00	79,156
Denbury Resources Inc.					1.29	0.16	14.16%	24,556,960	1.15	1.30	1.14	30141702.90	25,772
Enicna Corporation					4.72	0.19	4.19%	24,413,211	4.61	4.82	4.563	113594703.00	37,642
Transocean Ltd (Switzerland)					8.46	0.44	5.23%	23,801,691	5.17	5.52	5.04	124618117.00	57,659
Itau Unibanco Banco Holding SA American Depository Shares (Each rep.					8.78	0.20	2.33%	23,594,075	8.88	8.975	8.88	200120911.00	38,385
Pfizer Inc.					36.83	0.33	0.90%	23,411,395	36.59	36.84	36.13	846270004.00	96,438
United States Oil Fund LP					12.08	0.31	2.63%	23,403,008	11.92	12.10	11.895	27718898.00	20,180
VanEck Vectors Junior Gold Miners ETF					39.08	-1.13	-2.88%	23,193,879	39.30	39.39	37.76	87267528.00	104,849
Banco Santander S.A Sponsored ADR (Spain)					3.94	0.07	1.81%	22,534,377	3.94	3.97	3.91	680291411.00	23,745
Range Resources Corporation					4.58	0.65	16.54%	22,531,551	4.01	4.62	4.00	97982981.00	68,710
Banco Bradesco Sa American Depository Shares					8.47	0.88	10.39%	21,240,318	8.49	8.66	8.45	172475457.00	37,200
Direxion Daily S&P Oil & Gas Exp. & Prod. Bull 3X Shar					4.01	0.59	14.72%	20,490,570	3.55	4.02	3.53	77507883.70	24,818
Bank of Gold Corporation (BC)					17.41	-0.46	-2.63%	20,406,146	17.91	17.93	17.17	353316888.00	67,784
Colgroup Inc.					66.79	2.82	4.27%	20,193,287	66.76	69.30	66.69	1388849510.00	107,149
VelocityShares VIX Variable Long/Short ETN					5.55	-0.45	-7.50%	20,166,446	5.79	5.83	5.51	115106635.00	25,135
Petroleo Brasileiro S.A - Petrobras					14.52	0.22	1.54%	20,136,239	14.44	14.62	14.405	289302139.00	32,065
Clouders Inc.					8.76	-0.04	-0.46%	20,030,419	8.825	8.913	8.45	172685892.00	45,250
FreightMortran Inc.					9.70	0.28	2.97%	19,778,200	9.47	9.75	9.44	185159722.00	58,847
iShares MSCI Brazil Capped ETF					42.13	0.00	0.00%	19,617,656	42.37	42.81	41.94	89888193.00	63,996
VALE S.A American Depository Shares Each Representing one					11.61	0.27	2.38%	18,956,822	11.34	11.61	11.33	208110476.00	39,849
Teva Pharmaceutical Industries Limited American Depository Shares					7.44	0.43	6.13%	18,651,592	6.96	7.44	6.96	1344305420.00	48,774
iShares Gold Trust					14.34	-0.07	-0.49%	18,544,928	14.44	14.46	14.32	26933549.00	8,699
Superior Energy Services Inc.					0.3401	-0.0141	-3.98%	18,466,005	0.3224	0.3285	0.308	6120503.71	14,412
US 3X NAT GAS					21.42	2.46	12.97%	18,235,409	20.11	21.46	20.086	377588003.00	72,449
Oracle Corporation					54.54	1.38	2.60%	17,803,751	53.62	54.68	53.45	95477951.00	117,575
iShares Box \$ High Yield Corporate Bond ETF					87.23	0.99	1.13%	17,484,191	87.19	87.26	87.02	1482062330.00	29,439
NIO Inc. American depository shares each representing one Class A					3.14	0.16	5.17%	17,386,277	3.00	3.14	2.93	52679703.10	22,979
Utilities Select Sector SPDR Fund					62.50	-0.26	-0.41%	16,824,965	62.68	62.79	62.38	1028394830.00	76,336
ProShares Ultra VIX Short-Term Futures ETF					27.43	-0.38	-1.37%	16,664,192	27.09	28.53	27.00	450502199.00	95,281
Mallinco plc					2.10	0.23	10.30%	16,547,994	2.06	2.14	1.80	322245230.00	45,757
Yamana Gold Inc. (Canada)					3.39	-0.06	-1.74%	16,389,477	3.47	3.485	3.29	54557879.70	25,742
Direxion Daily Gold Miners Index Bull 3X Shares					32.01	-2.79	-8.02%	16,388,758	35.30	35.63	31.59	539279691.00	132,327
KeyCorp					17.67	0.87	5.18%	16,357,792	17.03	17.76	16.955	276995078.00	58,512
Mayco Inc					16.18	0.79	5.13%	16,072,874	15.49	16.26	15.42	251751698.00	68,054
iShares MSCI EAFE ETF					64.72	0.19	0.29%	15,965,596	64.72	64.74	64.57	1021163510.00	19,745
Ameren Midstream Corporation					7.24	0.56	7.63%	15,839,685	6.85	7.41	6.85	110308950.00	65,055
Cabot Oil & Gas Corporation					18.40	0.85	4.84%	15,727,455	17.66	18.44	17.66	283170750.00	57,404
Regions Financial Corporation					15.45	0.60	4.04%	15,609,912	15.00	15.61	14.97	235890976.00	58,740
Aflac MLP ETF					9.13	0.11	1.22%	15,267,116	9.04	9.19	9.04	138775185.00	18,945

# Sector and Index Constituents

The Sector & Index Constituents Module provides users with a comprehensive view of the companies that make up a chosen sector or index. Among other useful features, symbols can be selected for advanced comparison charting as well as for the spectrum of associated news headlines and stories.

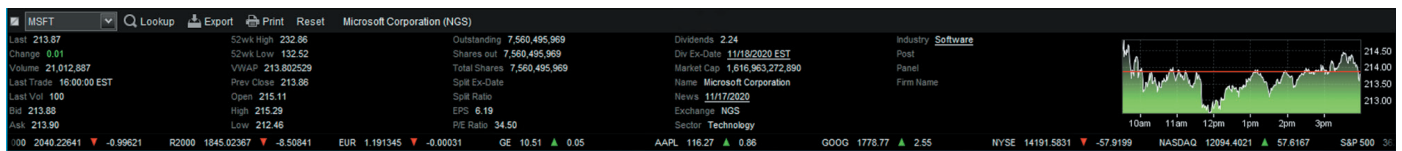
US Sectors	Basic Materials	Agriculture	Agricultural Inputs	Last	Change	% Change	Volume	Open	High	Low	Market Cap
Canadian Sectors	Communication Services	Building Materials		1.83	0.18	10.91%	276,534	1.63	1.93	1.63	94,140,131 m
Indices	Consumer Cyclical	Chemicals		0.2891	0.00	0.00%	536	0.2891	0.2891	0.2891	14,438,750
AAPL	Consumer Defensive	Coal		0.0022	0.00	0.00%	27,142	0.0022	0.0022	0.0022	24,110,481
AMHP	Energy	Forest Products		0.5248	0.00	0.00%	0	0.5248	0.5248	0.5248	1,193
AMH	Financial Services	Metals & Mining		0.000001	0.00	0.00%	0	0.000001	0.000001	0.000001	12,835,338
AMCF	Healthcare	Steel		0.00	0.00	0.00%	0	0.00	0.00	0.00	472,325,919
AUD	Industrials	Vanguard Corporation (S&P 500 Par.)		15.64	0.23	1.48%	83,902	15.57	16.005	15.40	16,365,686
BEVVF	Real Estate	Veeva Systems Inc		0.2159	0.0109	5.45%	30,095	0.2159	0.2159	0.206	80,200
BRND	Technology	Veritas Inc		0.0004	0.00	0.00%	100	0.218	0.218	0.218	8,035,850
BLDV	Utilities	International Inc		0.0005	0.00005	11.11%	7,373,972	0.0005	0.0005	0.0005	14,610,667
BLGV		CO2 Gas Inc - Ordinary Shares		0.02	-0.017	-2.72%	5,000	0.02	0.02	0.02	8,035,850
BLOF		Boswell (JG) Co		0.248	-2.00	-8.36%	576	0.248	0.248	0.248	14,610,667
BWEL		China BlueChemical Ltd		675.00	0.00	0.00%	0	675.00	675.00	675.00	1,244,700,000
CBLLV		China BlueChemical Ltd ADR		0.227	0.00	0.00%	0	0.227	0.227	0.227	1,309,240,000
CF		CF Industries Holdings Inc		14,200	0.00	0.00%	0	14,200	14,200	14,200	10,855,217,235
CGA		China Green Agriculture Inc		48.85	0.21	0.43%	1,340,821	48.74	49.24	48.43	10,855,217,235
CHBU		China Green Agriculture Inc		4.81	0.01	0.20%	1,582	4.87	4.91	4.87	21,877,629
CTVA		China Agr-Business Inc		0.000	0.00	0.00%	0	0.000	0.000	0.000	104,540
CVT		Convata Tech Inc		28.75	0.35	1.23%	4,661,139	28.35	28.82	28.02	21,830,074,238
DARLY		Danaher Ltd ADR (Sponsored)		0.031	0.00	0.00%	153,500	0.029	0.031	0.029	8,108,835
EACTF		Earth Alive Clean Technologies Inc		0.54	0.00	0.00%	0	0.54	0.54	0.54	143,274,094
ELGSP		Fungo Industries Corp - Ordinary Shares		0.0925	0.00	0.00%	0	0.0925	0.0925	0.0925	11,074,576
FAC		FMC Corporation		0.016	0.00	0.00%	1,270,165	0.016	0.016	0.016	7,800,831
FTZZ		Ferrous Ltd		87.02	-0.38	-0.43%	0	87.68	88.40	86.91	11,350,249,840
GBCMY		Global Bio-chem. Technology Group Corp.		0.115	0.00	0.00%	0	0.115	0.115	0.115	14,791,199
GBHPT		Global Home Group Inc		0.0399	0.0009	20.91%	109,412	0.0315	0.04	0.031	7,465,170
GOPPT		Gourmet Ocean Products Inc - Ordinary Sh.		0.0034	0.00	0.00%	0	0.0034	0.0034	0.0034	0
GRN		Greensmart Corp		0.0025	0.00	0.00%	1,000	0.025	0.025	0.025	2,626,160
GROD		GreenSight Inc		0.0001	0.00	0.00%	0	0.0001	0.0001	0.0001	900,688
GVT		Green Vision Biotechnology Corp		0.4975	0.00	0.00%	0	0.4975	0.4975	0.4975	591
GRON		Grandson Corp		0.00001	0.00	0.00%	0	0.00001	0.00001	0.00001	117,700
HFCUF		Highfield Energygen Inc Ord		0.57	0.00	0.00%	0	0.57	0.57	0.57	81,995
HRSRP		Highfield Resources Ltd		0.0001	0.00	0.00%	0	0.0001	0.0001	0.0001	5,991,803,937
HUMT		Humble Inc		0.81	0.0044	0.54%	117,700	0.8059	0.8135	0.8059	187,829,251
ICL		Israel Chemicals Limited		4.58	0.127	2.78%	172,315	4.46	4.68	4.46	5,991,803,937
IGNE		Igene Biotechnology Inc		0.0005	0.00	0.00%	100,000	0.0005	0.0005	0.0005	782,702
IPD		Intrepid Potash Inc		0.35	0.16	3.06%	588,704	0.321	0.36	0.321	442,090,542
ITRO		Itasca Inc		0.50	-0.020	-4.00%	0,000	0.5225	0.5225	0.50	8,025,814
KFLUF		K+S Aktiengesellschaft		15.85	0.00	0.00%	0	15.85	15.85	15.85	3,033,890,000
KFLV		K+S Aktiengesellschaft ADR		8.25	0.11	1.35%	352	8.25	8.25	8.25	3,158,100,000
KRLT		Kamath Resources Inc		0.175	0.00	0.00%	0	0.175	0.175	0.175	7,380,450
KWBT		Kiwa Bio-Tech Products Group Corp		0.61	-0.04	-6.15%	6,602	0.61	0.65	0.61	11,885,468
LBT		Letus Bio-Technology Development Corp		0.003	-0.0005	-14.29%	5,000	0.003	0.003	0.003	2,348,326
MAAF		Magnesium Corp		0.0011	0.00	0.00%	0	0.0011	0.0011	0.0011	2,116,639
MBCF		MBAC Fertilizer Corp (Cayman Islands)		1.17599	0.00	0.00%	0	1.17599	1.17599	1.17599	164,989,988
MBI		Matross Bio Innovations Inc		1.57	0.11	7.05%	222,237	1.46	1.60	1.46	372,840,354
MOS		Mosaic Company (The)		20.14	0.54	2.73%	4,864,419	19.63	20.38	19.5162	7,786,894,475
MULG		Mulany AgriTech Inc		7.50	0.00	0.00%	0	7.50	7.50	7.50	422,562,885
NFRW		Nufarm Ltd ADR (Sponsored)		2.90	0.00	0.00%	0	2.90	2.90	2.90	1,311,252,915
NCSC		New Oriental Edu & Chi		0.0027	0.00	0.00%	0	0.0027	0.0027	0.0027	45,933



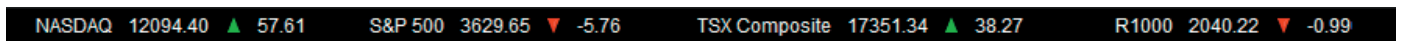
## Snap Quote Bar and Stock Ticker

Quotestream Professional features a Snap Quote Bar for quick access to real-time quotes. The Snap Quote Bar is configurable so that the user can assign specific data points of interest into each section. The Snap Quote can be positioned horizontally or vertically in the application, or removed completely.

In addition, Quotestream Professional features a customizable dynamic Scrolling Ticker for users that want specific markets or company symbols to scroll across the screen. The Scrolling Ticker can be positioned at the top or bottom of the workspace, or removed completely.



Configurable Snap Quote



Stock/Market Ticker

# Custom Quote Grid

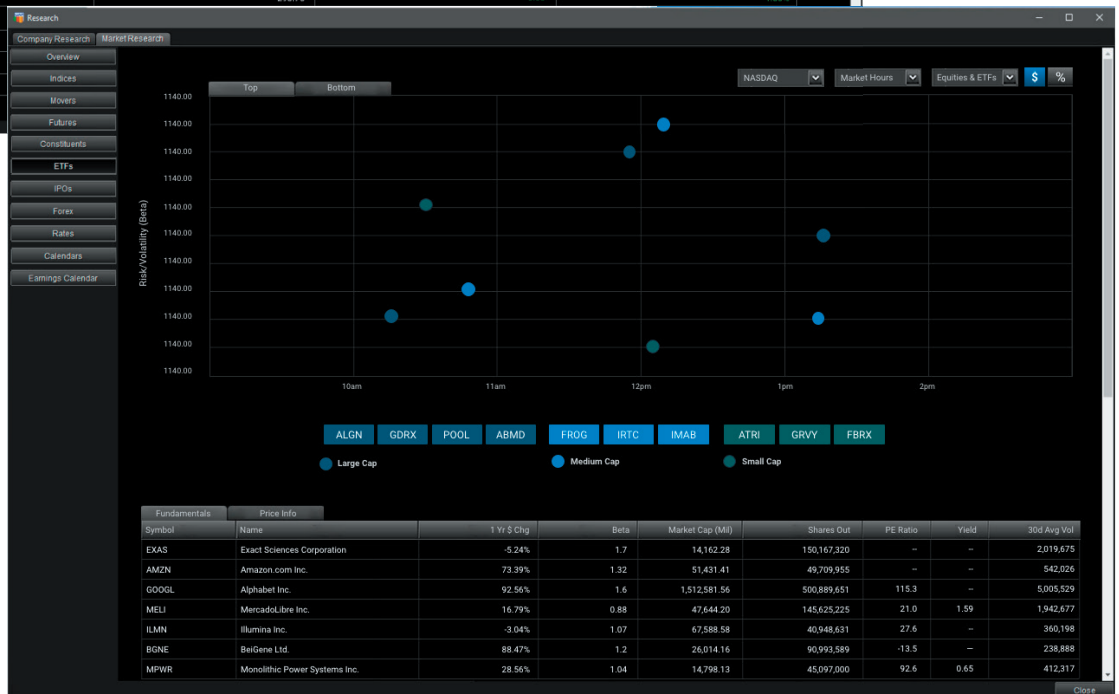
The Custom Quote Grid allows users to easily create their own quote layouts, whether they prefer a simpler snap quote approach or an extensive data profile of any security. Detailed Quote data, Earnings, Share Information, Corporate Actions, Performance Metrics, Sector and Industry data, Valuation, Risk Measures and much more are all at the user's fingertips, ready to be arranged, highlighted and manipulated according to individual preferences.

The screenshot displays the Custom Quote Grid software interface, which is designed for creating personalized financial data layouts. The interface is divided into several main sections:

- Market Movers:** A table listing top-performing stocks with columns for Name, Symbol, Last price, Change, and Volume. Examples include AT&T Inc., Bank of Am., and Ford Motor.
- Charts:** A line chart showing the price movement of ProShares UltraShort Nasdaq Biotechnology from 2017 to 2019, with SMA (50) and RSI (13.20) indicators.
- Market Depth:** A table showing bid and ask orders for various securities, including GSCO, MCO, and WALX.
- Time & Sales:** A table providing a detailed view of individual trades, including Time, Price, and Volume.
- Custom Quote Grid:** A central panel for configuring the layout of data for a specific security (Apple Inc. in this case). It includes fields for Last price, Change, Volume, and various financial metrics.
- Configuration Menu:** A complex menu on the right side of the Custom Quote Grid panel, allowing users to drag and drop various data points into their custom layout. The menu includes categories like:
  - Quote Information
  - Earnings Data
  - Status Information
  - Share Information
  - Performance
  - Valuation Measures
  - Risk Measures
  - Mark Indicators
  - Option Valuation Measures
  - Management Table Layout

# Company Research Module

The Company Research Module provides quick access to comprehensive company research information with a click. Detailed Quotes, Charts, Fundamentals, News, History, Market Depth, Time and Sales, Insiders, Financials, Company Profiles, Share Statistics, Earnings, Analyst Ratings, Calendars, Corporate Actions are just some of the screens that make up the Research Module.



# Ownership/Shareholders Module

The Ownership/Shareholders Module provides valuable information on the holdings of firms and funds, as well as Insiders Transactions for a symbol for up to the last 2 years. The data can be exported to CSV format or copied to a user's PC clipboard. Reports include: Current Holders and Historical Holders by Owners, Funds, or Owners & Funds. Also provided are Insiders Reports including Current Positions and Recent Transactions.

The screenshot displays two overlapping windows from the Ownership/Shareholders module. The top window shows a list of individuals and their roles, with columns for Insider Name, Relationship, Direct Holding, Indirect Holding, Total Holding, and Pos Date. The bottom window shows a 'Transactions' report with columns for Insider Name, Transaction Type, Ownership Form, # of Shares, Price, Trade Value(\$), Direct Holding, Indirect Holding, Total Holding, Pos Date, and Source. The bottom window also includes a 'Funds' tab with columns for Fund Name, # of Positions, % of Portfolio, Change, and various performance metrics like Turnover and Orientation.

# Market Research Module

The Market Research Module provides comprehensive information covering Market Overviews (Market Stats), Indices, Market Movers, Futures, Constituents, ETFs, IPOs, Forex, Rates and Market Calendars (Broker Ratings, Earnings Estimates, Corporate Actions).





# Events Calendar Module

The Events Calendar Module provides corporate event information on a specified symbol for future and historical events. Corporate event data includes Broker Ratings, Earnings Pre-Announcements, Earnings Surprises, Earnings Estimate Revisions, Stock Splits, and Dividends.

The left screenshot displays a table with the following columns: Date, Pre-Announcements, Current Estimate, New Range, and Period. The data includes various dates from July 2019 to October 2018, with corresponding estimates and ranges.

The right screenshot displays a table with the following columns: Ex-Data, Amount, Record, Broker Ratings, Earnings Pre-Announcements, Frequency, Notes, Payment Type, and Qualified. The data includes dates from August 2019 to August 2009, with associated amounts and records.

# Earnings Calendar Module

The Earnings Calendar allows the user to view upcoming earnings releases for securities on all North American exchanges. The Time, Estimated Earnings per Share and actual EPS are viewable from the calendar. The Earnings Calendar Module also includes an Upcoming Earnings tab, sortable by exchange, displaying Symbols and Company Names for current day and upcoming Earnings Releases.

The left screenshot displays a table with the following columns: Exchange, Symbol, Company Name, and Date. The data lists various companies and their earnings dates, such as Bright Mountain Media Inc. on September 09.

The right screenshot displays a table with the following columns: Exchange, Symbol, Company Name, Period, # Est, Time, Est EPS, EPS, and Surprise. The data includes companies like Adidas Inc. and Applied Genetic Technologies Corporation with their respective earnings periods and estimates.

## Analyst Ratings and Earnings Estimates

Quotestream Professional provides quick access to new ratings releases. The Broker Ratings module covers Upgrades, Downgrades, Coverage Initiated, and Coverage Reiterated. New earnings announcements are also readily available, with updates on Positive Earnings Pre-Announcements, Negative Earnings Pre-Announcements, Positive Surprises, Negative Surprises, and Earnings Estimate Revisions.

GOOG		Q Lookup				
Type:	Earnings Surprises	Print				
	Surprises	Expected EPS	Actual EPS	% Surprise		
Sep 1	Earnings Pre-Announcements	11.40	16.40	43.86		
Jun 1	Earnings Surprises	8.43	10.13	20.17		
Mar 1	Earnings Estimate Revisions	10.40	9.87	-5.10		
Dec 1	Stock Splits	12.76	15.35	20.30		
	Dividends					

## Corporate Actions

The Market Research Module also provides Corporate Actions data, including up-to-date and historical Splits and Dividends.

GOOG		Q Lookup				
Type:	Earnings Surprises	Print				
Date	Surprises	Expected EPS	Actual EPS	% Surprise		
Sep 1, 2020	Positive	11.40	16.40	43.86		
Jun 1, 2020	Positive	8.43	10.13	20.17		
Mar 1, 2020						
Dec 1, 2019						

GOOG		Q Lookup				
Type:	Earnings Pre-Announcements	Print				
Date	Pre-Announcements	Current Estimate	New Range	Period		
Oct 20, 2020	Positive	45.16 - 45.16	45.3 - 45.3	FY20		
Oct 20, 2020	Positive	11.27 - 11.27	11.38 - 11.38	Q03		
Oct 20, 2020	Positive	13.91 - 13.91	13.95 - 13.95	Q04		
Jul 13, 2020	Positive	13.6 - 13.6	13.91 - 13.91	Q04		
Jul 13, 2020	Positive	9.22 - 9.22	9.45 - 9.45	Q02		
Jun 25, 2020	Negative	16.59 - 16.59	15.8 - 15.8	Q04		
Jun 25, 2020	Negative	13.2 - 13.2	12.49 - 12.49	Q02		
Apr 29, 2020	Negative	44.16 - 44.16	43.69 - 43.69	FY20		
Apr 29, 2020	Negative	56.82 - 56.82	55.42 - 55.42	FY21		
Feb 4, 2020	Positive	13.82 - 13.82	14.65 - 14.65	Q01		
Feb 4, 2020	Positive	11.92 - 12.52	12.1 - 12.81	Q01		
Feb 4, 2020	Positive					
Feb 4, 2020	Positive					
Feb 4, 2020	Positive					
Feb 4, 2020	Positive					
Feb 4, 2020	Negative					
Feb 4, 2020	Negative					
Feb 4, 2020	Negative					

GOOG		Q Lookup				
Type:	Earnings Estimate Revisions	Print				
Date	Source	Period	Previous Estim.	Revised Estimate	% Change	
Oct 20, 2020	Jefferies & Co.	2020	45.16	45.3	0.30%	
Apr 29, 2020	Jefferies & Co.	2020	44.16	43.69	-1.10%	
Apr 29, 2020	Jefferies & Co.	2021	56.82	55.42	-2.50%	
Feb 4, 2020	William Blair	2020	54.22	53.28	-1.70%	
Feb 4, 2020	William Blair	2021	62.2	61.27	-1.50%	
Feb 4, 2020	Piper Sandler	2020	54.36	54.57	0.40%	
Feb 4, 2020	Oppenheimer HLD	2021	69.69	68.7	-1.40%	

# Futures and Commodities

The Futures Overview is also available in the Market Research module. The Futures Overview contains the most popular Futures/Commodities and their recent performance.



# Forex Module, Foreign Exchange and Currencies

Quotestream Professional covers Global Currency Pairings, providing a broad view into the Forex market and global currency changes. The Forex Module provides Currency Cross-Rates, Charts, Last Sell Price, Change, and a Currency Converter.

The screenshot displays the Quotestream Professional software interface, specifically the Forex module. The main window is divided into several sections:

- Top Panel:** Contains menu options (File, View, Workspaces, Tools, Research, Float, Trade, Help) and a navigation bar with tabs for MainView, Watchlist, Markets, Portfolio, and PF only.
- Portfolio Manager:** A dropdown menu with options like Sample, View, Large, Edit, Summary, Resize, Export, Copy, Lookup, Reload, Print, and Customize.
- Market Data Grid:** A large table listing various currency pairs and their market data. The columns include Symbol, Name, Last, Change, % Change, Last Trade, Last Vol, Bid, Bid Size, Ask, Ask Size, Volume, 52wk High, 52wk Low, Yield, Dividends, Div Date, EPS, P/E Ratio, Exchange, Currency, Open, Low, and High. The grid shows data for major pairs like USDARS, USDCHF, USDJPY, and others.
- Detail View:** A pop-up window for 'ProShares UltraShort Nasdaq Biotechnology' showing detailed market data:
  - 52wk High: 18.50 (100)
  - 52wk Low: 15.383
  - Ask & Size: 20.00 (100)
  - Priv Close: 19.14
  - Change: 0.15
  - EPS: Outstanding
  - Market Cap: 23,637,861
  - Name: ProShares UltraShort Nasdaq Biotechnology
  - News: 3m Perf: -0.02
  - 10d Avg Vol: 56,125
  - Industry: P/E Ratio
  - High: 19.56
  - Div & Yld: 0.24583 (1.28)
  - Exchange: NSD
  - 30d Avg Vol: 64,798
- Chart:** A small line chart at the bottom right showing price movement over time, with labels for 10am, 11am, 12pm, 1pm, 2pm, and 3pm.

# History Module

The History Module allows the user to enter a date range and review a company's trading history, over Daily, Monthly, Quarterly or Yearly time frames, for both Adjusted (for Splits and / or Dividends) and Unadjusted data. Data can be exported to a spreadsheet for easy storage and manipulation. The Historical Module also features a built-in Total Return Index Value (TRIV) Calculator for comparison of the security against a full range of Indices.

The screenshot displays the History Module interface with a table of trading data and an open settings dialog box.

**Table Headers:**

- Date
- Open
- High
- Low
- Close
- Volume
- # Trades
- Trade Value
- Change
- % Change
- Bid
- Bid Size
- Ask
- Ask Size
- EOQ VWAP

**Table Content (Sample Rows):**

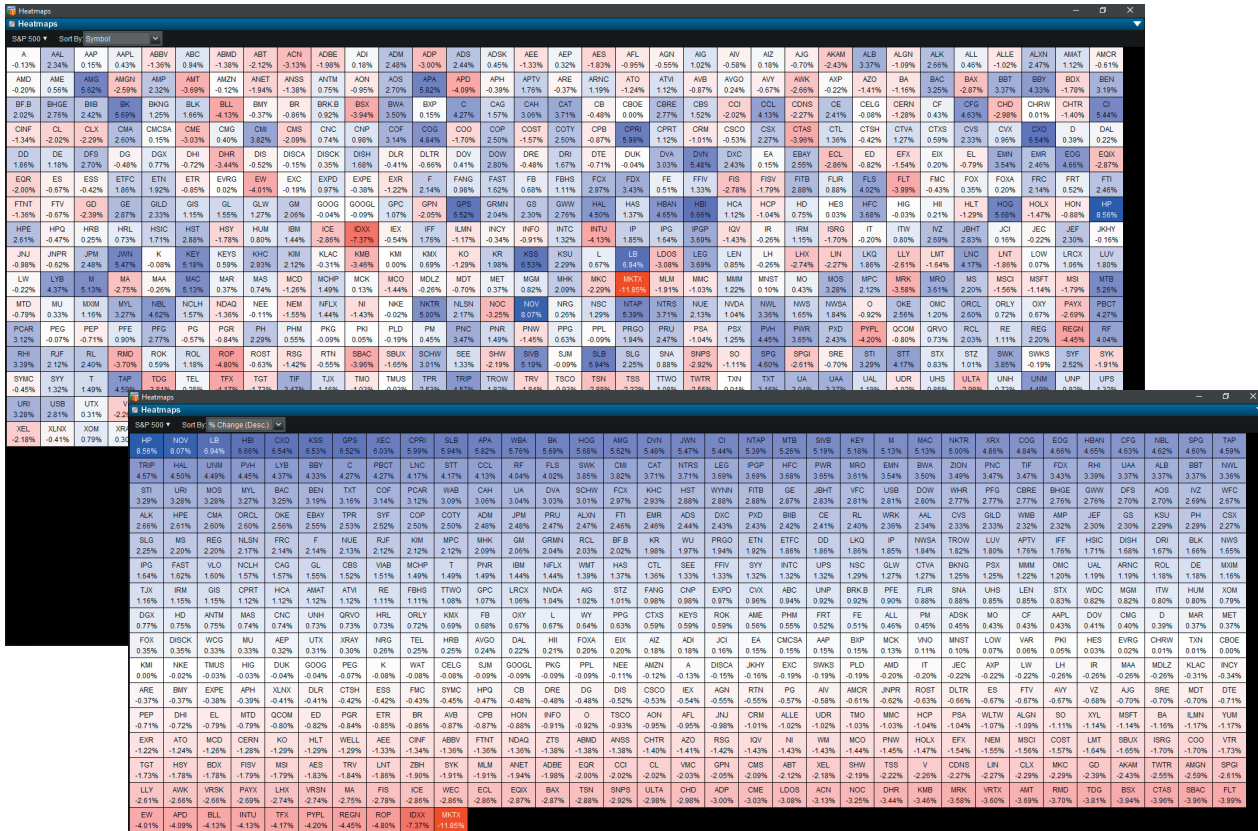
Date	Open	High	Low	Close	Volume	# Trades	Trade Value	Change	% Change	Bid	Bid Size	Ask	Ask Size	EOQ VWAP
Aug 6, 2019	195.56997	197.317116	193.30559	196.24455	35,824,787	292,303	70,905,125.10	3.446147	1.83%	196.97	3,700	197.03	24,700	195.5500
Aug 5, 2019	197.24068	197.897114	195.80185	196.69268	52,392,969	471,612	101,951,035.00	10.039576	5.23%	193.21	3,300	193.28	100	193.9123
Aug 2, 2019	204.24992	205.84963	203.227784	204.48212	34,498	83,907,890.00	4,233,322	24.88	1.21%	204.08	24,800	204.10	3,700	203.0724
Aug 1, 2019	213.00389	217.204756	205.96076	207.641092	54,017,922	492,277	115,260,200.00	4.929292	2.36%	208.44	7,800	208.48	4,000	211.3259
Jul 31, 2019	215.00805	219.502115	210.50923	212.233644	69,281,361	528,878	150,343,400.00	4.283176	2.04%	212.78	4,000	212.79	3,000	216.3366
Jul 30, 2019	207.89843	209.345444	206.529132	207.895718	33,935,718	297,626	72,096,092.00	-1.451197	-0.63%	208.85	3,600	208.89	2,300	207.8954
Jul 29, 2019	207.67079	209.42728	207.651055	208.885361	21,673,389	176,161	45,475,787.20	1.820567	0.83%	209.67	1,000	209.68	6,400	209.671
Jul 26, 2019	206.68488	208.93172	206.359715	206.953734	17,618,474	138,892	36,707,439.00	0.17275	0.08%	207.74	1,300	207.76	24,700	207.4004
Jul 25, 2019	208.99551	208.44927	208.44927	208.44927	13,809,562	123,732	28,494,937.00	-1.647746	-0.79%	207.65	300	207.66	3,600	206.9648
Jul 24, 2019	208.89399	208.38637	208.38637	208.89399	14,991,567	114,746	31,215,620.00	-0.16937	-0.08%	208.65	56,200	208.70	100	207.4597
Jul 23, 2019	207.87079	208.11929	208.59407	208.04541	18,355,210	138,005	39,623,189.00	1.013360	0.52%	208.83	2,600	208.84	100	207.3238
Jul 22, 2019	205.97185	206.44654	206.44654	205.97185	22,277,832	168,400	45,941,170.00	4.012475	1.97%	207.22	10,500	207.24	4,200	205.3846
Jul 19, 2019	205.011085	205.718398	201.58467	201.823197	20,929,307	158,585	42,744,242.00	-3.09388	-1.49%	202.57	700	202.59	15,100	203.5297
Jul 18, 2019	205.22758	205.700744	204.92969	204.815717	14,942,161	142,291	28,033,620.00	2.302163	1.18%	205.65	13,100	205.66	1,600	204.2618
Jul 17, 2019	203.277671	204.315229	202.50623	202.50623	14,107,450	109,620	28,055,980.00	-1.455468	-0.72%	203.27	300	203.28	100	203.4748
Jul 16, 2019	203.819527	205.20874	202.72973	203.72986	16,886,810	137,721	34,227,688.00	-0.707192	-0.35%	204.48	7,400	204.49	200	203.9619
Jul 15, 2019	203.37078	205.90782	203.52786	204.43328	18,947,420	158,181	34,742,891.00	1.92977	0.95%	203.23	8,900	203.26	200	204.2258
Jul 12, 2019	201.683727	201.434673	201.434673	202.32051	17,595,212	145,631	35,783,879.00	1.544134	0.77%	203.23	26,200	203.28	200	202.6374
Jul 11, 2019	202.50472	203.816384	203.84626	200.983710	20,917,842	155,664	41,007,336.00	-1.614288	-0.73%	201.74	4,800	201.75	2,000	202.3925
Jul 10, 2019	201.06998	202.95882	202.95882	202.460774	17,897,138	148,883	36,330,990.00	1.624267	0.89%	203.17	300	203.21	400	202.3044
Jul 9, 2019	198.446028	200.747285	198.057504	200.478307	20,578,935	170,459	41,299,719.00	1.715103	0.81%	201.22	4,300	201.24	400	199.7982
Jul 8, 2019	200.84934	200.337701	197.68918	198.200224	25,338,028	217,563	54,148,350.00	4.184665	2.08%	200.91	8,700	200.92	800	198.9973
Jul 5, 2019	202.80302	204.303772	202.130204	203.459989	17,265,618	161,206	35,567,798.00	-0.179319	-0.09%	204.24	100	204.25	35,700	203.4524
Jul 4, 2019	202.510585	203.666195	201.922918	201.922918	11,362,245	103,226	21,747,968.00	-1.75541	-0.89%	203.33	900	203.39	100	202.9645
Jul 3, 2019	200.841663	202.918261	200.929825	201.902661	18,935,217	165,847	34,795,190.00	1.179534	0.57%	199.21	300	199.22	1,200	201.5468
Jul 1, 2019	202.401002	203.718005	199.89054	198.89054	20,716,739	236,770	55,331,958.10	3.61226	1.83%	201.65	100	201.70	100	201.5495
Jun 28, 2019	197.87898	198.739911	198.304166	197.110872	18,203	182,003	81,689,403.00	-1.031111	-0.51%	197.81	58,100	197.84	21,600	197.2273
Jun 27, 2019	199.519192	200.807058	198.814628	198.983984	20,899,717	155,443	52,217,452.00	-0.699773	-0.35%	199.72	15,500	199.74	800	199.4480
Jun 26, 2019	197.021441	200.229253	196.61003	198.043737	26,087,512	203,253	52,121,848.00	4.213889	2.18%	199.78	400	199.80	100	198.2203
Jun 25, 2019	197.87898	198.569901	194.550827	194.550827	21,070,134	178,392	41,763,196.00	-2.688014	-1.52%	198.71	1,600	198.74	25,000	198.5488
Jun 24, 2019	197.886258	199.402394	197.419827	198.829375	18,220,421	152,988	37,880,703.40	-0.199243	-0.10%	198.54	10,000	198.55	100	198.4008
Jun 21, 2019	198.047542	200.889763	197.480002	198.027618	47,830,588	402,763	95,211,164.00	-0.77426	-0.34%	198.78	4,100	198.80	1,700	198.4567
Jun 20, 2019	199.63188	199.896981	197.280456	198.765484	19,929,988	173,825	44,936,335.00	1.120948	0.56%	197.26	3,800	197.29	100	198.5444
Jun 19, 2019	198.924311	199.124254	198.563182	197.110102	12,124,235	102,705	48,788,519.00	-0.577805	-0.29%	197.82	200	197.87	300	197.5222
Jun 18, 2019	195.307951	195.331902	184.47181	197.698887	26,551,004	213,983	57,923,444.00	4.542713	2.32%	198.48	100	198.51	2,400	198.0984
Jun 17, 2019	191.442637	194.220776	191.442637	191.442637	14,668,144	114,811	28,704,700.00	1.456467	0.76%	193.94	6,900	193.95	100	193.3519
Jun 14, 2019	190.620002	192.853576	189.571715	192.019479	18,761,474	144,376	36,591,129.00	1.448883	0.73%	192.74	200	192.75	12,800	191.4204
Jun 13, 2019	193.836911	192.862224	192.862224	193.836911	12,474,026	103,266	27,102,448.00	-0.010848	-0.00%	194.71	1,600	194.74	25,000	193.8566
Jun 12, 2019	193.215899	192.653038	193.454991	193.215899	12,523,189	109,979	35,410,094.00	-0.179593	-0.09%	194.18	200	194.19	600	193.8860
Jun 11, 2019	194.122455	195.29814	192.887224	194.072844	26,932,862	180,622	52,420,599.00	2.221558	1.18%	194.80	1,500	194.81	100	193.9148
Jun 10, 2019	191.68998	194.830525	191.68998	191.68998	18,420,617	152,765	40,939,960.00	2.400619	1.25%	192.54	3,000	192.54	800	192.0784
Jun 7, 2019	185.80406	191.193983	185.068811	186.430322	30,684,393	236,680	58,225,365.10	4.111134	2.51%	190.14	8,200	190.16	11,600	189.0731
Jun 6, 2019	182.397482	184.787998	181.458466	181.458466	22,526,311	190,718	41,839,960.00	2.688826	1.47%	188.21	100	188.29	200	183.1218
Jun 5, 2019	183.5825	184.298813	180.453885	181.848966	29,773,427	239,336	54,430,025.00	2.889025	1.57%	187.53	10,900	187.54	11,700	182.0740
Jun 4, 2019	174.77598	178.149343	173.864149	174.806661	30,987,961	239,721	64,619,151.16	8.116003	3.64%	173.65	100	173.68	27,500	177.3981

**Settings Dialog Box:**

- Selection:** All
- Date Range:** Custom Range
- Fields:**
  - Open
  - # Trades
  - Bid
  - Bid Size
  - High
  - Trade Value
  - Ask
  - Low
  - Change
  - Bid Size
  - ALTA
  - AMPL
  - BDF
  - Close
  - % Change
  - Ask Size
  - Volume
  - EOQ VWAP
  - TRIV
- Settings:**
  - Show Column Headers
  - Reverse Top to Bottom (Show Oldest at Top)
- OK** **Cancel**

# Portfolio Heatmaps, Watchlist Heatmaps, Index and Sector Heatmaps

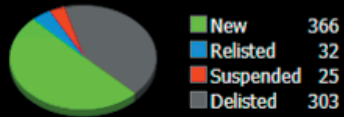
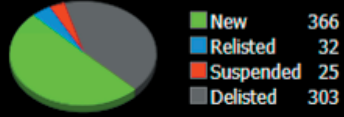
The Heatmaps Module offers an intuitive look at an entire portfolio or watchlist, as well as insight into the markets via visualizations of Index Constituents and Sector breakdowns. Color coding provides Up /Down change information at a glance, and each Heatmap can be sorted by Change or alphabetical criteria.



Heatmaps								
S&P/TSX 60 Capped Index								
Sort By: % Change (Desc.)								
WPM.TSX	K.TSX	SHOP.TSX	ABX.TSX	AEM.TSX	KL.TSX	BHC.TSX	SAP.TSX	GIB.A.TSX
3.28%	1.63%	1.53%	1.51%	1.47%	1.40%	1.36%	1.32%	1.31%
FM.TSX	TECK.B.TSX	DOL.TSX	CAR.UN.TSX	BPY.UN.TSX	CNQ.TSX	WN.TSX	IMO.TSX	WCN.TSX
1.24%	1.04%	1.01%	0.88%	0.79%	0.78%	0.67%	0.66%	0.61%
TRP.TSX	OTEX.TSX	RY.TSX	FTS.TSX	CSU.TSX	BNS.TSX	MRU.TSX	L.TSX	NTR.TSX
0.53%	0.53%	0.50%	0.46%	0.38%	0.36%	0.35%	0.33%	0.32%
MFC.TSX	AQN.TSX	WEED.TSX	BCE.TSX	BMO.TSX	QSR.TSX	NA.TSX	SJR.B.TSX	EMA.TSX
0.31%	0.20%	0.17%	0.14%	0.12%	0.12%	0.10%	0.09%	0.07%
RCI.B.TSX	CCO.TSX	SNC.TSX	CTC.A.TSX	CM.TSX	ENB.TSX	TD.TSX	FNV.TSX	ATD.B.TSX
0.05%	-0.08%	-0.08%	-0.19%	-0.22%	-0.22%	-0.23%	-0.24%	-0.35%
SLF.TSX	T.TSX	CP.TSX	PPL.TSX	TRI.TSX	POW.TSX	SU.TSX	MG.TSX	CCL.B.TSX
-0.39%	-0.40%	-0.46%	-0.47%	-0.58%	-0.63%	-0.83%	-0.84%	-0.90%
CNR.TSX	GIL.TSX	BIP.UN.TSX	IPL.TSX	CVE.TSX	BAM.A.TSX			
-0.99%	-1.04%	-1.31%	-1.55%	-2.13%	-2.53%			



## IPO Data

Quotestream Professional also provides access to IPO information. In addition to Initial Public Offerings, other key Listing Events are also provided, such as companies that are Suspended, Delisted, or Relisted.

IPOs - North America					
IPO and Listing Events - USA					<a href="#">More Listing Events</a>
Date	Exchange	Company Name	Symbol	Status	
11/30/2020	NMF	BlackRock Funds Liquid Environmentally Aware Fd Mischler Finl Group	PDFXX	New Listing	<b>Summary For November 2020</b>  <ul style="list-style-type: none"> <li>New 366</li> <li>Relisted 32</li> <li>Suspended 25</li> <li>Delisted 303</li> </ul>
11/30/2020	NMF	Morgan Stanley Institutional Fund Trust High Yield Ptf Cl W	MSYWX	New Listing	
11/30/2020	NMF	Domini Investment Trust Intl Opportunities Fd Instl Shs	LEADX	New Listing	
11/30/2020	NMF	Domini Investment Trust Intl Opportunities Fd Inv Shs	RISEX	New Listing	
11/30/2020	NMF	Wasatch Funds Inc Greater China Fd Instl Cl	WGGCX	New Listing	
IPO and Listing Events - Canada					<a href="#">More Listing Events</a>
Date	Exchange	Company Name	Symbol	Status	
11/25/2020	TSX	Manulife Smart Core Bond ETF Common Units	BSKT:CA	New Listing	<b>Summary For November 2020</b>  <ul style="list-style-type: none"> <li>New 366</li> <li>Relisted 32</li> <li>Suspended 25</li> <li>Delisted 303</li> </ul>
11/25/2020	TSX	Manulife Smart U.S. Dividend ETF Unhedged Units	UDIV.B:CA	New Listing	
11/25/2020	TSX	Manulife Smart U.S. Dividend ETF Hedged Units	UDIV:CA	New Listing	
11/25/2020	TSX	Manulife Smart Corporate Bond ETF Common Units	CBND:CA	New Listing	

## ETF Overview

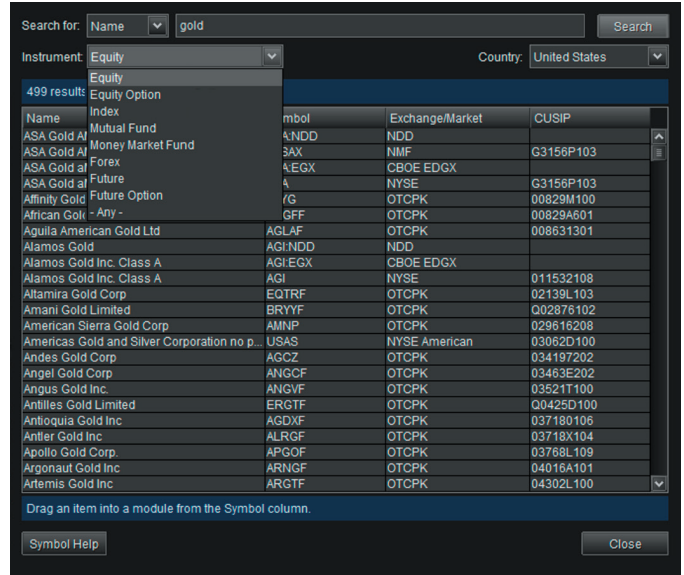
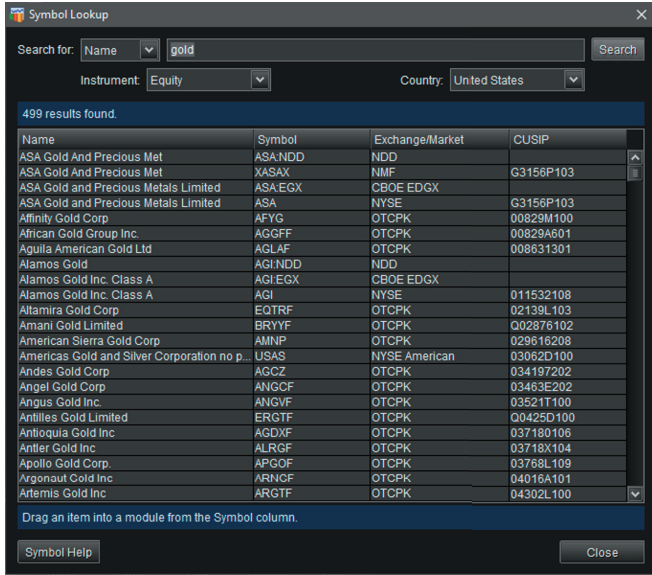
Quotestream Professional provides an Exchange Traded Funds Overview for both Canadian and US ETFs. The ETF Overview displays information on the best and worst performing ETFs, as well as an ETF Snapshot broken down by Fund Family.

ETF Performance Overview								
							1d	 
Best Performers								
ETF	Symbol	Last	\$ Chg	% Chg	52Wk High	52Wk Low		
DIREXION SH ETF TR	ERY	33.93	1.27	3.89%	379.37	32.51		
DIREXION SH ETF TR	NUGT	62.13	2.21	3.69%	214.10	24.15		
PROSHARES TRUST	DUG	28.27	0.87	3.18%	184.95	27.22		
PROSHARES TRUST II	UCO	32.85	0.90	2.82%	553.25	11.00		
PROSHARES TRUST	UBR	29.64	0.76	2.63%	94.40	12.29		

[More](#)

# Symbol Search

The easily accessed Symbol Lookup window allows you to perform a refined search when you have some information about a company, but need to know the ticker symbol. You can search by Company Name, Instrument Type, as well as Country. Search results can provide Company name, Symbol, Exchange/Instrument, CUSIP, SEDOL, and ISIN. The Symbol Lookup provides results for not only US, Canadian, and UK instruments, but also for global international equities.



# RTD and DDE Integration With Excel Spreadsheets

Quotestream Professional also has the ability to access the Windows Messaging Layer (Microsoft's RTD protocol), which links streaming real-time data to Excel spreadsheets and other third party applications.

RTD and DDE links extend market data access beyond Quotestream Professional, allowing you to manage unlimited client portfolios, import market data into third party applications, and run your own calculations through spreadsheets. QuoteMedia provides ready-to-use templates of commonly used datasets for MS Excel. However, any application that supports RTD and DDE can incorporate dynamically updating real-time intra-day data.

	C	D	E	F
	Name	Category	Price	Shares
	Vanguard Emerging Markets	Stock	\$42.34	46.18
	Vanguard Developed Market	Stock	\$80.60	43.07
	iShares Core MSCI EAFE	Stock	\$63.79	0.21
	Vanguard Small-Cap Value	Stock	\$139.28	6.46
	Vanguard Mid-Cap Value	Stock	\$113.14	9.04
	Vanguard Total Stock Market	Stock	\$145.23	33.09
	Vanguard Value	Stock	\$106.86	11.65
	Apple, Inc.	Stock	\$192.41	141.20
	Google, Inc.	Stock	\$1,206.50	101.26
	Cash	Cash	N/A	N/A



# Real-time Alerts

Quotestream Professional provides real-time access to on-screen and email alerts. Users can be alerted on such criteria as when stocks reach a certain Price, Volume, Bid, Ask, Price Change, or when they hit their 52 Week High or Low. The user can also be notified when a filing is released, when a news release hits the wire, and can choose to receive an end-of-day summary. Alerts can be set to pop up on the user's screen, or the alert can be sent to the user's mobile device or email address. Users can also access their personal Alerts History, with dates and times of when alerts were triggered in the past.

The screenshot displays the 'Alerts' window in Quotestream Professional. At the top, there are 'Settings' and 'History' tabs. Below the tabs, a summary bar shows '9 of 100 alerts created' and buttons for 'All On', 'All Off', and 'Add a New Alert'. The main area lists alerts for several stocks, each with a status indicator and action buttons.

Stock	Alert Criteria	Status	Modify	Clone	Delete
\$CADUSD	Price Change is greater than 0.9	On	Modify	Clone	Delete
AAPL	News	On	Modify	Clone	Delete
	52 Week Low	Off	Modify	Clone	Delete
BHP					
BTO:CA					
GOOG	Price is greater than 190	On	Modify	Clone	Delete
	End of Day Summary	Off	Modify	Clone	Delete
	Price Change is greater than 10	On	Modify	Clone	Delete
MFC:CA	News	On	Modify	Clone	Delete
MSFT	52 Week High	On	Modify	Clone	Delete
RY:CA					
WORK	52 Week High	On	Modify	Clone	Delete

# User-Created Custom Workspaces / Easy Modification

Quotestream Professional is completely customizable, allowing you to create as many different workspaces or layouts as you need. The Workspace Wizard is extremely easy to use and allows for various designs in horizontal and vertical formats, with as few or as many internal modules as you like.

Each workspace can be modified at any time, allowing the user to change the various modules on the fly. Switching back and forth between workspaces or modules inside the workspaces is also very easy, giving you quick access to different information and the ability to switch back again.

The screenshot displays the Quotestream Professional software interface. The main window is titled "Quotestream Web Start - [Demo]" and features a menu bar with options like File, View, Workspace, Tools, Research, Float, Trade, and Help. The interface is divided into several panels:

- Portfolio Manager:** A table listing various stocks and their performance metrics. The table has columns for Symbol, Name, Last, Change, % Change, High, Low, and Volume. The first few rows include Facebook Inc., Apple Inc., Microsoft Corporation, Barnes Group Inc., and Oracle Corporation.
- Market Movers:** A table showing market movers with columns for Name, Symbol, Last, Change, Change %, Volume, and Open. The first few rows include AT&T Inc., Chesapeake Energy Corporation, and VanEck Vectors Gold Miners ETF.
- Custom Quote Grid:** A configuration window for creating a custom workspace. It includes fields for "Workspace Name" (set to "Demonstration"), "Initial Layout" (set to "Horizontal"), "Number of Rows" (set to 2), "Row 1 Modules" (set to 2), and "Row 2 Modules" (set to 3). There are "OK" and "Cancel" buttons.
- Charts:** A panel displaying a line chart for Apple Inc. (AAPL) with a price of 214.17 and a change of 0.91 (0.43%). The chart shows price movement over time, with a date range from October 2019 to July 2020.
- Market Data:** A panel showing various market data points, including "EPS Surprise % 3.81%", "P/E Ratio 11.74", and "Market Cap 23,959,983".
- Module Selection:** A dropdown menu is open, listing various modules that can be added to the workspace. The list includes: Charts, Charts Advanced, Charts Tick-By-Tick, Custom Quote Grid, Earnings Calendar, Events Calendar, Flags, Forex, Heatmaps, History, Market Depth, Market Depth - Time & Sales, Market Indices, Market Movers, Nat House Summary, News, Options, Ownership/Shareholders, Portfolio Manager, Portfolio Manager - Waterfall Ticker, Reported Quotes Montage, S&P Market Scope, Sector & Index Constituents, Short Interest, Time & Sales, Trading, Watchlist, Waterfall Ticker, Add Module Left, Add Module Right, Remove Module, and Popup Module.

# Custom Color and Font Settings

Quotestream Professional may be viewed in various light or dark color layouts. Fonts can be increased in size for easier viewing, and color sets are provided for users who have problems with reds and greens. In addition, Quotestream Professional provides the ability for the user to alter how areas of the modules change when a stock goes up or down. Some users prefer to have text colors change, while others prefer to have the entire row background color change. All of these settings are custom to the user.

The screenshot displays the Quotestream Professional software interface, which is a financial data analysis tool. The interface is divided into several main sections:

- Market Movers:** A table at the top right showing a list of stocks with columns for Name, Symbol, Last, Change, % Change, High, Low, Volume, and Open. The table is sorted by volume, with AT&T at the top.
- Custom Quote Grid:** A table on the left side showing a list of stocks with columns for Name, Last, Change, % Change, High, Low, Volume, and Open. The table is sorted by volume, with Apple Inc. at the top.
- Charts:** A line chart on the right side showing the price movement of a stock over time. The chart includes a title, a legend, and a data series.
- Market Movers (Bottom):** A second table at the bottom right, similar to the first one, showing a list of stocks with columns for Name, Symbol, Last, Change, % Change, High, Low, Volume, and Open.

The interface also includes various navigation and control elements, such as tabs for 'Market Movers', 'Custom Quote Grid', and 'Charts', and a 'View' menu at the top left. The overall layout is clean and professional, with a focus on data presentation and analysis.

# Equity/Fund/ETF Reports (Tear Sheets)

Quotestream Professional provides custom auto-generated reports that are printable or downloadable at any time. Reports can be modified to specify specific data sets as preferred. Example data sets include Company Profile, Stock Performance, Charts, News, Filings, Corporate Events, Share Information, Key Ratios, Analyst Ratings and Financials.

## Company Overview

### Apple Inc. (AAPL)

#### Company Profile

Apple designs a wide variety of consumer electronic devices, including smartphones (iPhone), tablets (iPad), PCs (Mac), smartwatches (Apple Watch), and TV boxes (Apple TV), among others. The iPhone makes up the majority of Apple's total revenue. In addition, Apple offers its customers a variety of services such as Apple Music, iCloud, Apple Care and Apple Pay, among others. Apple's products run internally developed software and semiconductors, and the firm is well known for its integration of hardware, software and services. Apple's products are distributed online as well as through company-owned stores and third-party retailers. The company generates about 40% of its revenue from the Americas, with the remainder earned internationally.

**Exchange:**  
NASDAQ Global Select Market

**Company Address:**  
One Apple Park Way  
Cupertino, CA, USA, 95014

**Contact:**  
Website: <http://www.apple.com>  
Phone: +1 408 996-1010  
Fax: +1 408 974-2483  
Email: [investor\\_relations@apple.com](mailto:investor_relations@apple.com)

**Sector:** Technology  
**Industry:** Computer Hardware  
**SIC:** Electronic Computers (3571)

**CEO:** Timothy D. Cook  
**Employees:** 132,000  
**Auditor:** Ernst & Young LLP

### Stock Performance

3 Month Price - AAPLUS

Volume

**\$214.17** ↑  
**0.91 (0.43%)**

Sep 9, 2019, 4:00 PM EDT

Share Volume: 27,309,401  
Trade Volume: 298,879

Bid (size):	214.50 (1,100)	Ask (size):	214.56 (200)
Open:	214.84	Prev Close:	213.26
High:	216.44	52wk High:	233.47
Low:	211.07	52wk Low:	142.00
VWAP:	214.915	Beta:	1.234
Market Cap:	967.87b	Shares Out:	4.52b
EPS:	11.74	Dividend:	1.44
P/E Ratio:	N/A	P/B Ratio:	N/A

### Recent News & Filings

Sep 10, 2019, 12:01 AM [A New Wave of M&A? The Corporate Debt & Mortgage Equation](#) - Stockhouse

Sep 9, 2019, 8:45 PM [Apple's Big Event: What to Watch](#) - Motley Fool

Sep 9, 2019, 8:14 PM [Buy Google \(GOOGL\) Stock Ahead of Q4 2019 Earnings?](#) - Zacks

# Trade A.I.

Quotestream Professional's Trade A.I. platform provides real-time trading ideas, analytics and advanced risk management with respect to options and equities trading. Trade A.I. provides nine different perspectives of calculating options probability, and allows the trader to build and analyze a trade in order to help mitigate risk.

Our proprietary statistical modeling engine also serves up profitable trading ideas around optionable stocks. It provides options probabilistic analysis of a stock's past and future moves, options sentiment, fundamental information, as well as sector and industry analysis to deliver a full view of the underlying asset.

**quotemedia**
Options Trade Analysis

**AMBA (Ambarista Inc.)**
Thursday, 11/2/19 15:42:27 EST

Current Bid: \$54.49 Ask: \$64.52 Last: \$54.99 Change: ▲ (+1.12)

Implied Volatility: 57.69% Change: ▲ 3.20%

Implied Volatility for Nov. 29 Exp.: 95.56%

Expiration Date: 11/29/2019 (8 Days to Expiration) W

Exp. Month	Strike Price	Bid	Ask	Mid	%OTM	Yield to Strike	Annual Yield	IV Skew	Probability of Stock Price not reaching Strike Price						Technical Analysis		
									Normal	Short	Long	RSI	SO	PPO			
Nov 29	49.50	6.00	6.40	6.20	9.17	2.42	193.30	100.24	87.91	74.16	96.60	89.60	91.84	84.00	90.1	88.18	93.1

**USA - Oversold**

Symbol	Price	Rate
KL	41.91	4
MOO	7.42	4
SIQI	66.22	4
SWX	75.76	4
THS	48.89	4
ASIX	29.23	3
GWPH	102.11	3
ANN	58.40	4
ATO	185.96	4
ABR	85.29	4
BLL	66.06	4
CL	67.82	4
CORR	44.24	4
CPK	91.14	4
CUB	59.55	4
CWT	15.40	4
CYRX	15.75	4
CFBK	3.87	4
FTS	39.89	4
HDB	61.75	4
IAC	222.70	4
LGHI	72.27	4
MCD	194.48	4
MDDO	115.76	4

**KL (Kirkland Lake Gold Ltd.)**
Monday, 12/02/19 13:12:21 EST

Closing Price: \$42.16 Change: ▲ \$0.25

Implied Volatility: 45.19% Change: ▲ 2.15%

Market Cap: 8.98B Change: ▲ \$0.5 M

Ex-Dividend Date: 12/30/2019 Amount: 0.06 Regular Cash

**STOCK TREND RATE** ▲ REAL TIME DATA

**OPTIONS SENTIMENT RATE** ▲ REAL TIME DATA

**SECTOR: Basic Materials**

Symbol	Price	Stock Rate	Option Sentiment	Overall Rate
AEM	59.6	4	4	4
APD	236.33	4	3	4
AU	19.04	3	4	4
BBL	44.42	3	4	4
BCC	37.92	4	4	4

**INDUSTRY: Metals & Mining**

Symbol	Price	Stock Rate	Option Sentiment	Overall Rate
AEM	59.6	4	4	4
AU	19.04	3	4	4
BBL	44.42	3	4	4
BHP	51.53	3	4	4
BTG	3.68	3	4	4

**AAPL (Apple Inc.)**
Monday, 12/02/19 15:44:12 EST

Current Bid: \$265.38 Ask: \$265.40 Last: \$265.38 Change: ▲ (+1.87)

Implied Volatility: 20.84% Change: ▲ 0.00%

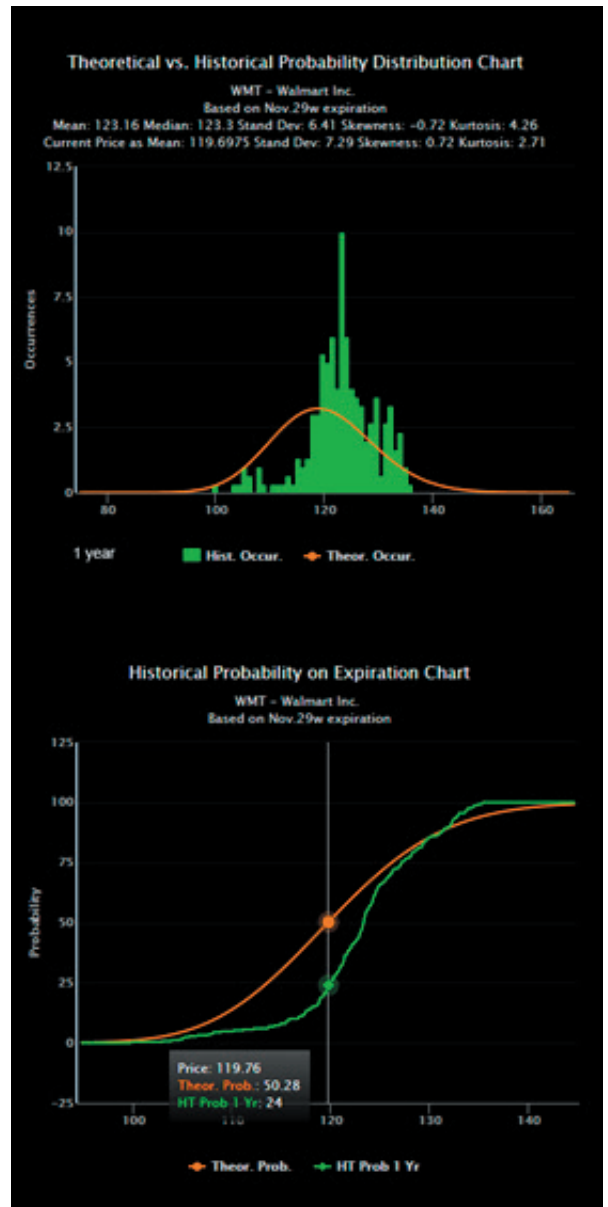
Implied Volatility for Dec. 13 Exp.: 19.72%

Expiration Date: 12/13/2019 (11 Days to Expiration) W

%OTM	Yield to Strike	Annual Yield	IV Skew	Option Price	Build Trade	Exp. Month	Strike Price	Build Trade	Option Price	%OTM	Yield to Strike	Annual Yield	IV Skew
6.02	6.19	6.41	14.78	23.85	21.00	Dec-13	242.50	Buy	0.28	0.29	8.62	0.12	4.00

Select if you want to Buy/Sell Stock  Buy  Sell

Trade	Credit	Probability of Profit						Trade		
		Normal	Short Hist	Short ST	Long Hist	Long ST	RSI			
Buy Dec-13w 250.00 Put	0.37	89.68	86.4	57.6	86.16	65.52	88.42	80.25	79.19	<input type="button" value="Chart"/>



# Trade Integration

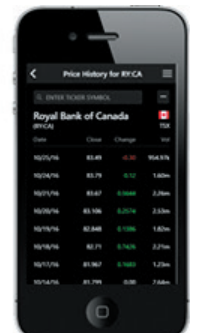
Quotestream Professional was designed to integrate with any trading platform. As Quotestream Professional is already modular in design, adding trading modules can be done quickly and effectively, creating a custom interface to any trading and order management system. Users can access a trading interface from any module by clicking on a symbol, a Level 2 montage, or even a chart.

Trade links can also be incorporated into the main navigation, and custom trading modules can be created, providing quick access to buying, selling, checking open orders, reviewing account history, or accessing any other trade specific information.



# Quotestream Mobile

Quotestream Professional also features the Quotestream Mobile App, available on Android and IOS tablets and phones (Apple App Store and Android Google Play). The app provides access to all the same Portfolios and Watchlists, as well as the same market data. The Desktop application and the Mobile app work in a co-companion relationship, where any changes made on one device immediately transfer to the other.



# Quotestream Web

Quotestream Web is a new HTML 5, browser-based application by QuoteMedia. It delivers real-time streaming data to a browser. Much like Quotestream Professional, it features customizable workspaces, draggable modules, and provides feature rich portfolios, watchlists, charts, news, research and more.

The screenshot displays the Quotestream Web application interface, which is a complex dashboard for financial data. The interface is divided into several main sections:

- Top Panel:** A navigation bar with tabs for "Default", "Level 2", "Portfolio", and "Watchlist". It also includes a search bar and various utility icons.
- Market Overview:** A row of stock tickers with their current prices and percentage changes. Tickers shown include MSFT, AMZN, RYCA, CSCD, AMD, MSFT, AAPL, QMCI, GE, RYX-CA, and ORCL.
- Microsoft Corporation Watchlist:** A detailed view of Microsoft's stock, showing its price at 207.31, a change of -2.13, and a volume of 17,231,656. It includes a "Level 2 Depth" chart and a "Time" bar.
- Healthcare Portfolio:** A table listing various healthcare stocks such as JNJ, PFE, ABT, MRK, AMGN, BMY, GILD, and MOT, along with their last prices, changes, and volumes.
- Chart:** A candlestick chart for Microsoft Corporation, showing price movement over time. The current price is 207.31.
- News:** A section displaying recent news articles, including "Press Release: QIV Pharmaceuticals to Present New Data in Liver and Ophthalmic Areas at 16th Annual Meeting of the Sigmapharmaceuticals Therapeutics Society (S17)", "JNJ Gevax Labs Closes Offering of 2.5MM Units of Common Stk, Pre-Filed Warrants, and Warrants w/OOVX", and "Press Release: Gevax Announces Closing of \$12.8M Public Offering and Uplisting to Nasdaq".
- Oracle Corporation Watchlist:** A detailed view of Oracle's stock, showing its price at 59.65, a change of 0.90, and a volume of 99,665. It includes a "Chart" for Oracle Corporation.
- Oracle News:** A section displaying news articles related to Oracle, such as "Vanguard Information Technology ETF: Better Risk-Reward Amid Volatility" and "ORCL Helps HR Teams Meet New Workplace Demands and Deliver Personalized Employee Experiences".



## Administration Area for Account Maintenance and Reports

QuoteMedia can provide access to QuoteMedia's Client Admin system. This provides real-time access to view user entitlements to product levels and data.

The Client Admin also provides monthly reports for submitting to the exchanges, indicating real-time streaming users, snap quote counts, and users that are capped. QuoteMedia's quote counting system caps users once they have reached their maximum threshold, so as to not incur unnecessary additional exchange fees.



## Integration with 3rd Party Data and Information

Because Quotestream Professional was built with modular technology, the product has the ability to seamlessly integrate 3rd party information, data, trading systems, and even external applications. Companies with proprietary information or specific trading requirements can benefit from the advantages of total integration into a single application. The Quotestream Professional application can readily incorporate proprietary content.

## Integration with Websites

This capability provides embedded access to Adviser sites for users that have login access. Quotestream Professional is also capable of single sign-on, for a seamless user experience between two systems.

## Integration with Wealth Management

QuoteMedia has integrated Ndex System's scalable web-based portfolio management platform with Quotestream Professional. This brings to entitled users features including consolidated views of client accounts, easy performance measurement, custom reporting, automated compliance, CRM capabilities, as well as Fee Billing, Securities and Trade Order Management and comprehensive Reporting features for the Advisor, Branch Manager and Head Office.



*Ndex is excited and pleased with the partnership and integration with QuoteMedia's Quotestream Professional. We know this relationship will be beneficial for our clients from both an economic and powerful functionality point of view. I believe with the power of both the Quotestream Professional product and our F-Engine, clients will find their productivity increased dramatically.*

# Additional QuoteMedia Solutions

## Web Content Solutions

QuoteMedia offers a wide range of content solutions, from simple scrolling stock tickers to full-scale market research portals. All of QuoteMedia's user-friendly products are completely customizable, easily embed directly into your web pages for seamless integration with your existing content, and comprise only a single line of code for quick installation and fast loading efficiency.



## Quotestream Active Trader (for Non-Professional Retail Clients)

Quotestream Active Trader is the latest in streaming real-time portfolio management for retail, non-professional users. This robust application is the perfect solution for Banks, Brokerage firms, and Online Portals that want to provide their customers with streaming real-time market data, news, research, and full-featured portfolio management. The monthly non-professional per-user fee is very attractive for enterprise customers wanting to offer the best for their clients.

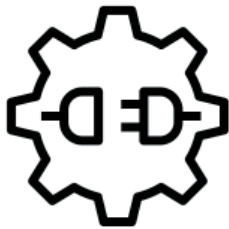


# Additional QuoteMedia Solutions



## Streaming Data Feeds

QuoteMedia's Data Feed technology is built on a scalable system that aggregates, manages, and streams information from the stock exchanges, and from other information and content feeds, to power all of our applications with the highest quality low latency data in the industry.



## Quotestream Connect APIs

Quotemedia provides streaming and request-based data feed services for powering applications on a per-user basis. This entitlement driven product will stream data over an open socket to power 3rd party products.



## XML and JSON Raw Data Delivery

QuoteMedia's on-demand data services offer a comprehensive array of XML and JSON request-based data. XML and JSON facilitate bringing financial data to third party applications or powering web interfaces. Clients can pull real-time data, fundamentals, news, research, historical data and much more.

# Additional QuoteMedia Solutions

## QuoteMedia's QMod - Full Content Modular Web Solutions

**TMX Money**  
Invest with Insight

Home | TMX.com | Mobile | Contact Us | Français

AC TSX EXCHANGE  
NOV 27, 2020 6:06 PM ET

### Air Canada Voting and Variable Voting Shares

SECTOR INDUSTRIALS INDUSTRY TRANSPORTATION

REAL TIME PRICE **\$24.86** CHANGE **↑1.04** (4.366%) VOLUME **9,619,740**

+ ADD TO WATCHLIST SUBSCRIBE TO ALERTS

TIMEFRAME  
1D 5D 1M 3M 6M 1Y 5Y 10Y

Nov 23 Nov 24 Nov 25

### Key Data

LAST UPDATED: NOV 27, 2020, 6:06 PM ET, SOURCE: QUOTEMEDIA

OPEN 23.91 DAY HIGH/LOW 25.95/23.90 52 WEEK HIGH/LOW 52.71/9.26

MARKET CAP 7,376,690,995 MARKET CAP (ALL CLASSES) 7,367,339,856 LISTED SHARES OUT 296,729,324

**Nasdaq** Hot Topics: ETFs | Smart Portfolio | Currencies | Online Broker Center LOGIN or JOIN NASDAQ

Our Businesses Quotes Markets News Investing Personal Finance Portfolio

Home > Quotes > GE > Options Trading Center

### General Electric Company (GE) Option Chain

GE \$9.36<sup>\*</sup> 0.22 ↑ 2.41%

\*Delayed - data as of Sep. 11, 2019 - Find a broker to begin trading GE now

Exchange:NYSE Industry:Energy Community Rating: Bullish

GE

Save Stocks

SYMBOL LIST VIEWS  
FlashQuotes  
InfoQuotes

STOCK DETAILS  
Summary Quote  
Real-Time Quote  
After Hours Quote  
Pre-market Quote  
Historical Quote

Option Chain

CHARTS  
Basic Chart  
Interactive Chart

COMPANY NEWS  
Company Headlines  
Press Releases  
Market Stream

STOCK ANALYSIS  
Analyst Research  
Guru Analysis  
Stock Report  
Competitors  
Stock Consultant  
Stock Comparison

FUNDAMENTALS  
Call Transcripts  
Annual Report  
Income Statement  
Revenue/EPS  
SEC Filings  
Short Interest  
Dividend History

Call and put options are quoted in a table called a chain sheet. The chain sheet shows the price, volume and open interest for each option strike price and expiration month.

Option Chain | Most Actives | Greeks

GE Options: Composite | Calls & Puts | Near the Money | Type: All (Types) | Go

Sep 19 | Oct 19 | Dec 19 | Jan 20 | Mar 20 | Jun 20 | Jan 21 | Near Term | All

#### Option Chain for General Electric Company (GE)

	Calls	Last	Chg	Bid	Ask	Vol	Open Int	Root	Strike	Puts	Last	Chg	Bid	Ask	Vol	Open Int
Sep 06, 2019	0.21	0	0	0	0	0	0	GE	8.5	Sep 06, 2019	0.01	0	0	0	12422	
Sep 06, 2019	0.01	0	0	18669	0	0	0	GE	9	Sep 06, 2019	0.29	0	0	0	0	
Sep 06, 2019	0.01	0	0	4253	0	0	0	GE	9.5	Sep 06, 2019	0.82	0	0	0	0	
Sep 06, 2019	0.01	0	0	6995	0	0	0	GE	10	Sep 06, 2019	1.32	0	0	0	0	
Sep 13, 2019	0.85	0.23	0.83	0.85	1177	8414	0	GE	8.5	Sep 13, 2019	0.01	0.01	0.01	616	12247	
Sep 13, 2019	0.36	0.15	0.35	0.37	5053	18687	0	GE	9	Sep 13, 2019	0.03	-0.07	0.03	0.04	5962	8466
Sep 13, 2019	0.05	0.02	0.04	0.05	14798	21587	0	GE	9.5	Sep 13, 2019	0.22	-0.20	0.21	0.22	1344	2192
Sep 13, 2019	0.02	0.01	0.02	0.02	987	4727	0	GE	10	Sep 13, 2019	0.69	-0.21	0.66	0.68	794	529
Sep 20, 2019	0.87	0.18	0.86	0.90	601	20735	0	GE	8.5	Sep 20, 2019	0.04	-0.02	0.04	0.05	1173	11148
Sep 20, 2019	0.43	0.13	0.43	0.44	10564	48292	0	GE	9	Sep 20, 2019	0.11	-0.08	0.10	0.11	12629	137712
Sep 20, 2019	0.70	0.14	0.68	0.90	30	2773	0	GE1	9	Sep 20, 2019	0.11	0.05	0.13	0	78011	
Sep 20, 2019	0.14	0.04	0.14	0.15	10498	10667	0	GE	9.5	Sep 20, 2019	0.30	-0.16	0.30	0.31	2807	1455
Sep 20, 2019	0.03	0.03	0.04	0.04	4300	73633	0	GE	10	Sep 20, 2019	0.70	-0.21	0.69	0.71	951	61052
Sep 20, 2019	0.09	-0.01	0.02	0.11	1	6087	0	GE1	10	Sep 20, 2019	0.50	0.30	0.50	0	10923	
Sep 27, 2019	0.89	0.16	0.91	0.94	385	5561	0	GE	8.5	Sep 27, 2019	0.08	-0.04	0.07	0.08	537	7518
Sep 27, 2019	0.51	0.11	0.51	0.52	934	17308	0	GE	9	Sep 27, 2019	0.18	-0.08	0.17	0.18	482	1848
Sep 27, 2019	0.23	0.07	0.22	0.23	836	6282	0	GE	9.5	Sep 27, 2019	0.40	-0.15	0.37	0.39	87	1133
Sep 27, 2019	0.06	0.02	0.07	0.08	426	4420	0	GE	10	Sep 27, 2019	0.83	-0.02	0.73	0.75	3	419

quotemedia

### Options Center

Get Options Commentary, News and Trading suggestions from our [Options Center](#).  
New to options investing? Be sure to check out our [Options Trading Guide](#).

**Nasdaq**

Nasdaq.com Company News / Annual Report / Contact / Careers / Advertise on Nasdaq.com

Terms of Use / Privacy Policy / Sitemap / Glossary / Feedback

# Contact Us

QuoteMedia has a variety of market data solutions. We would be happy to discuss all of your options, and help you find the solution that best fits your business model.

Please contact a QuoteMedia account representative and we will answer any further questions you might have regarding Quotestream Professional, or any of QuoteMedia's other financial information solutions.

Call Toll Free: 1 844 485-8200

Outside North America: 1 250 586-9943

Email Us: [sales@quotemedia.com](mailto:sales@quotemedia.com)

Visit Online: [www.quotemedia.com](http://www.quotemedia.com)