

# TickVault

# DATA LAKE PLATFORM FOR CAPITAL MARKETS



## DATA PRODUCERS

Ideal for exchanges, trading networks, and data vendors. TickVault creates historical data marketplaces to extract value from data and to make it easily accessible to customers.



## DATA CONSUMERS

Ideal for market makers, trading firms, hedge funds, regulators, and SROs to centralize terabytes and petabytes of data received from exchanges, data vendors, alternative data providers, trading systems, event feeds, and more.

## About Us

We specialize in Big Data technology and have built a next generation data lake platform to solve the pains of Capital Markets. Our platform is used for data centralization, distribution, market surveillance, risk management, and advanced analytics.

Our platform already provides solutions to many financial institutions including National Bank of Canada and the CME Group.

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## BE FUTURE-PROOF

RUN TICKVAULT IN-HOUSE  
OR IN YOUR CLOUD  
INFRASTRUCTURE

## Why us?

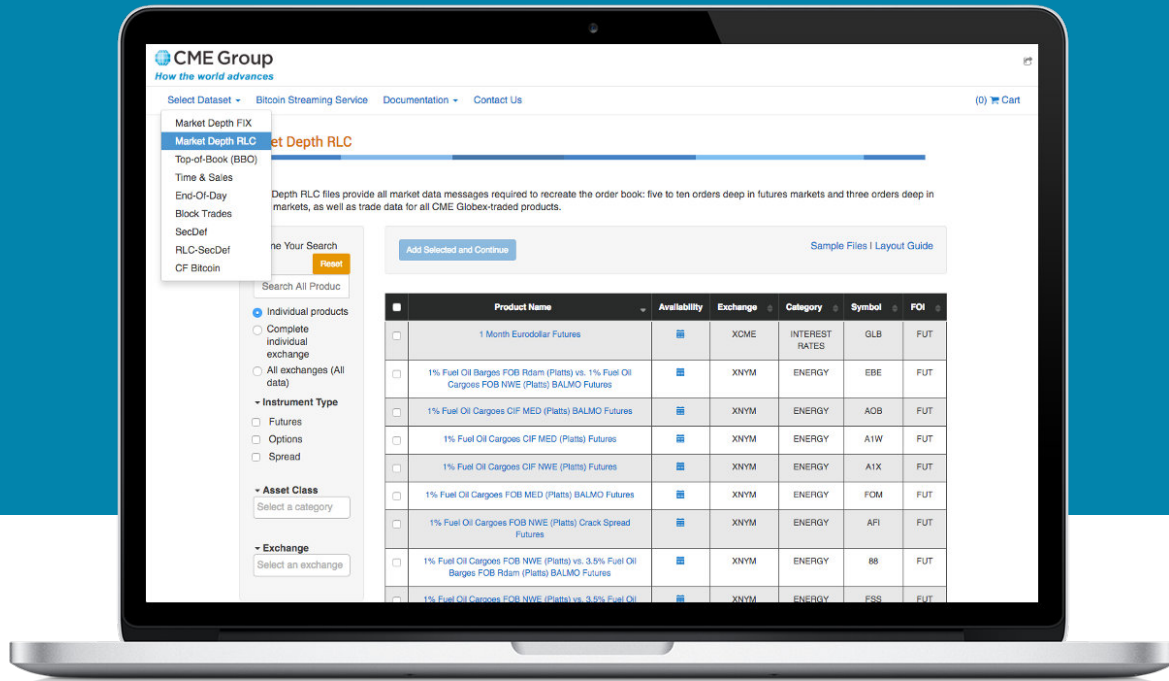
**Don't reinvent** | We have been perfecting our Big Data Lake platform since 2012 and provide it as a ready-to-go platform that you can have up and running in your infrastructure within weeks.

**Be Smart** | We have an experienced and talented team that can configure our platform to fit your current and future needs. You can also work with your in-house developers to build add-ons on top of our platform, TickVault.

**Save Time** | All you need to do is point to the data you would like to ingest. Our platform (running in your physical and/or cloud infrastructure) cleans it, prepares it, and then you access it via our multiple APIs so that you can perform your own analytics, machine learning, predictive analytics, artificial intelligence (AI), etc.



# END TO END MODULAR PLATFORM



<https://datamine.cmegroup.com>

## The TickVault Process

Load all data from feeds and files, in different formats.

Retain original data. Normalize through time and across sources.

Create comprehensive inventories of available data.

Create combined and derived datasets. Turn data into time-series. Run analytics, create reports, and statistics. Reconstruct market activity and market depth.

Entitle and control data and features access to users and systems. Interface with existing SSO and billing system. Keep comprehensive logs of all data accesses.

Offer data via a user-friendly web store.

Provide data via easy to use web interfaces, Rest APIs, Python Clients, SFTP, and S3 to S3 transfer.

Monitor and manage all tasks and processes.

## CHECK US OUT IN ACTION!



Access CME DataMine powered by TickVault



Download the National Bank of Canada post-trade analysis case study



Try out our platform using Thomson Reuters data

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