

# Capital Markets Time Series Analytics and Regulatory Solutions



Enterprise-wide solution for data management

## Why OneTick?

- Market data, reference data, and transaction data.
- High performance.
- Scalability and analytics.
- The OneTick Query Designer.
- Real-time alerts.
- Extract, transform, load.
- Development environment.
- Visual Dashboard Designer.
- Interface usability.
- Administration tools.
- Authentication and entitlements.

## Additional Resources

- [Request OneTick Cloud Overview whitepaper](#)
- [Request OneTick Technical Product Overview](#)

## Product overview

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OneMarketData is a leading provider of software solutions for the financial industry. Equity, futures and options proprietary traders, hedge funds, asset managers, and investment banks all use OneTick. The use cases range from quantitative research, transaction cost analysis, surveillance and back testing to name but a few.

OneTick's powerful analytical tools enable clients to run historical simulations and back-tests and develop trading and market-making strategies. Additional features enable financial services professionals to build transaction-cost models, perform real-time surveillance, and answer regulatory compliance requirements.

## Product features

### Lower total cost of ownership

OneTick's proprietary time series database is a unified, multi-asset class platform. It includes a fully integrated streaming analytics engine and built-in business logic to eliminate the need for multiple disparate systems.

### Powerful analytical tools

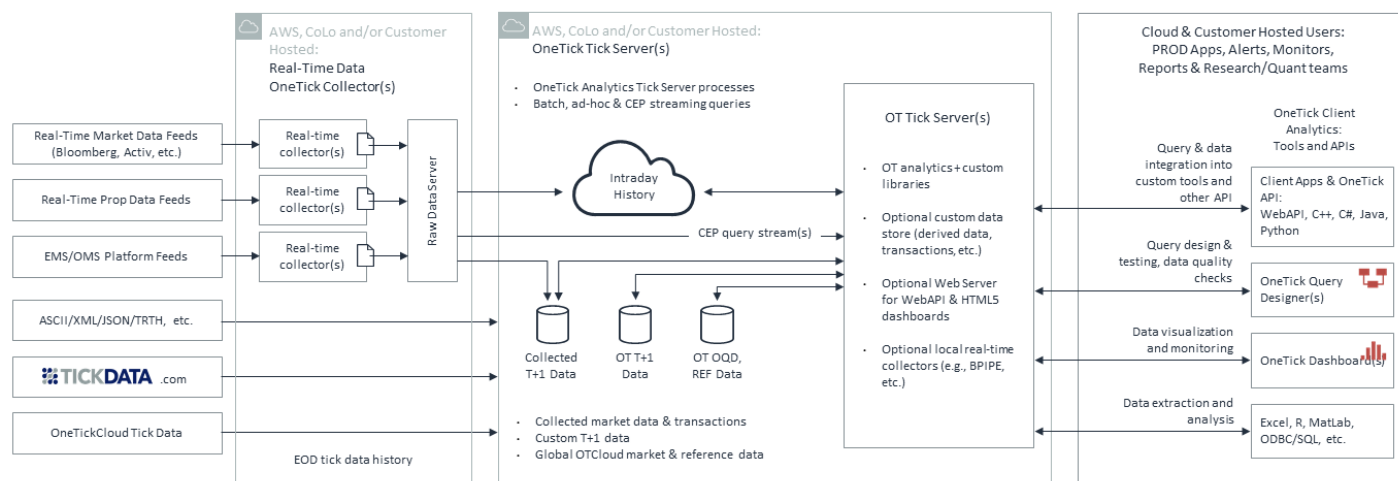
OneTick's powerful analytical tools enable clients to run historical simulations and back-tests, develop trading and market-making strategies, build transaction-cost models, perform real-time surveillance, and answer regulatory compliance requirements.

### Historical, real-time, and reference data

Combine querying and replaying of historical tick data with streaming analytics. Publish real-time analytics and signals, query intraday and historical data with minimal latency, and apply corporate actions with ease.

## How it works

The OneTick platform can be fully deployed in Amazon Web Services (AWS) with immediate access to vast amounts of global market data. The diagram below provides a high-level overview of typical connectivity and workflows within an AWS deployment.



## Differentiators

- **High Performance:** No limitations on data volumes, peak rates, or length of stored history.
- **Scalability:** Utilize any number of collectors on any number of nodes and access any amount of storage from the query engines (aka tick servers).
- **Python Query application programming interface (API):** OneTick includes Python packages for querying OneTick data. Python developers can build and run OneTick queries directly in Python using all OneTick analytical functions.
- **Visual Dashboard Designer:** OneTick includes a dashboard designer that can be used to build new dashboards. These can apply for visualizing results of queries in historical or real-time complex event processing (CEP) mode, and as control interfaces.
- **Real-Time Alerts:** Applications such as a real-time execution quality monitor can be configured to generate alerts on various conditions. These events can flow into an existing, configurable alert management workflow dashboard for reviewing, assigning, commenting on, and closing execution quality alerts.

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## What our customers are saying



*We use OneMarketData in the cloud to run our queries in parallel. This contributed to more than a 1,000% improvement in performance.*

**- Shyamkiran Rao, SVP  
Quantitative Strategies, Jefferies  
Group**

## Data Points

**200+**

On-demand services for exchange listed equities, options, and derivatives

**10M+**

Ticks per second processing