



# Big data without the storage

Unlock economical market data analysis with LSEG's zero-copy solution for Tick History – Query



In today's rapidly evolving financial markets, the strategic use of historical tick data is crucial for firms aiming to secure a first to market advantage. LSEG offers zero-copy Tick History – Query, an innovative offering that harnesses the power of BigQuery™ via the Google Cloud Platform™ (GCP). This solution is designed specifically for our customers who use GCP to access Tick History data, facilitating a streamlined, efficient, and economical approach to querying extensive volumes of market data.

## Introducing zero-copy integration: a pioneering data sharing approach

Tick History – Query is underpinned by the authorised view zero-copy methodology of connection, a cutting-edge technology that enables LSEG to share its entire Tick History data with a customer's GCP BigQuery instance without necessitating data storage on the customer side. The advantages of this methodology are many:

- **Elimination of additional storage costs:** Customers can integrate LSEG's vast 20PB+ Tick History datasets in correlation with their own, without the high costs of cloud storage fees
- **Superior data management:** Users are empowered to create tailored views that meet their analytical requirements without producing duplicate or replicated data, ensuring all information remains pointed to LSEG's source dataset. Customers can
- **Performance & multi-query:** The querying performance is not compromised, with the ability for customers to query their own GCP data along with the LSEG source in a single query. Queries complete in seconds not minutes or hours

## Key benefits

- **On-demand access:** Directly query data from more than 400 venues, including comprehensive normalised Level 1, Level 2, and Level 3 Market by Order (MBO) and Market by Price (MBP) data
- **Extensive coverage:** Delve into 500,000+ instruments across all asset classes, complete with precise trade qualifiers for each exchange
- **Full 'point in time' Tick History:** Go back to any point in time on most exchanges at microsecond intervals to 1996
- **Total cost of ownership (TCO):** Dramatically lower your TCO by removing the need for data storage and management expenditure
- **Customisable user control:** Directly manage user access and entitlements, providing your team with the flexibility needed to maximise the dataset
- **Zero-copy and zero-replication:** Data always points back to the source held by LSEG. Create as many views and versions of any size or range as you like with no additional storage

## Why choose LSEG Tick History – Query?

- **Cost-effectiveness:** Avoid the high costs associated with storing voluminous datasets through LSEG's innovative shared data model
- **Data richness:** Gain access to an unrivalled scope of market data, boosting your analytical and research capabilities
- **Operational flexibility:** Swiftly adjust to market movements with on-demand data access, facilitating expedited decision-making and strategic adaptation
- **Security and compliance:** Retain comprehensive control over data access, ensuring alignment with your organisation's security protocols

Tick History – Query is transforming the sharing of historical market data. It is a strategic addition to your business, designed to give market data users and technical teams flexibility and the information they need – when and how they want it. Choose Tick History – Query and redefine how you store, manage and analyse historical tick data.

For more information visit [lseg.com](https://lseg.com)

