REFINITIV TICK HISTORY – QUERY

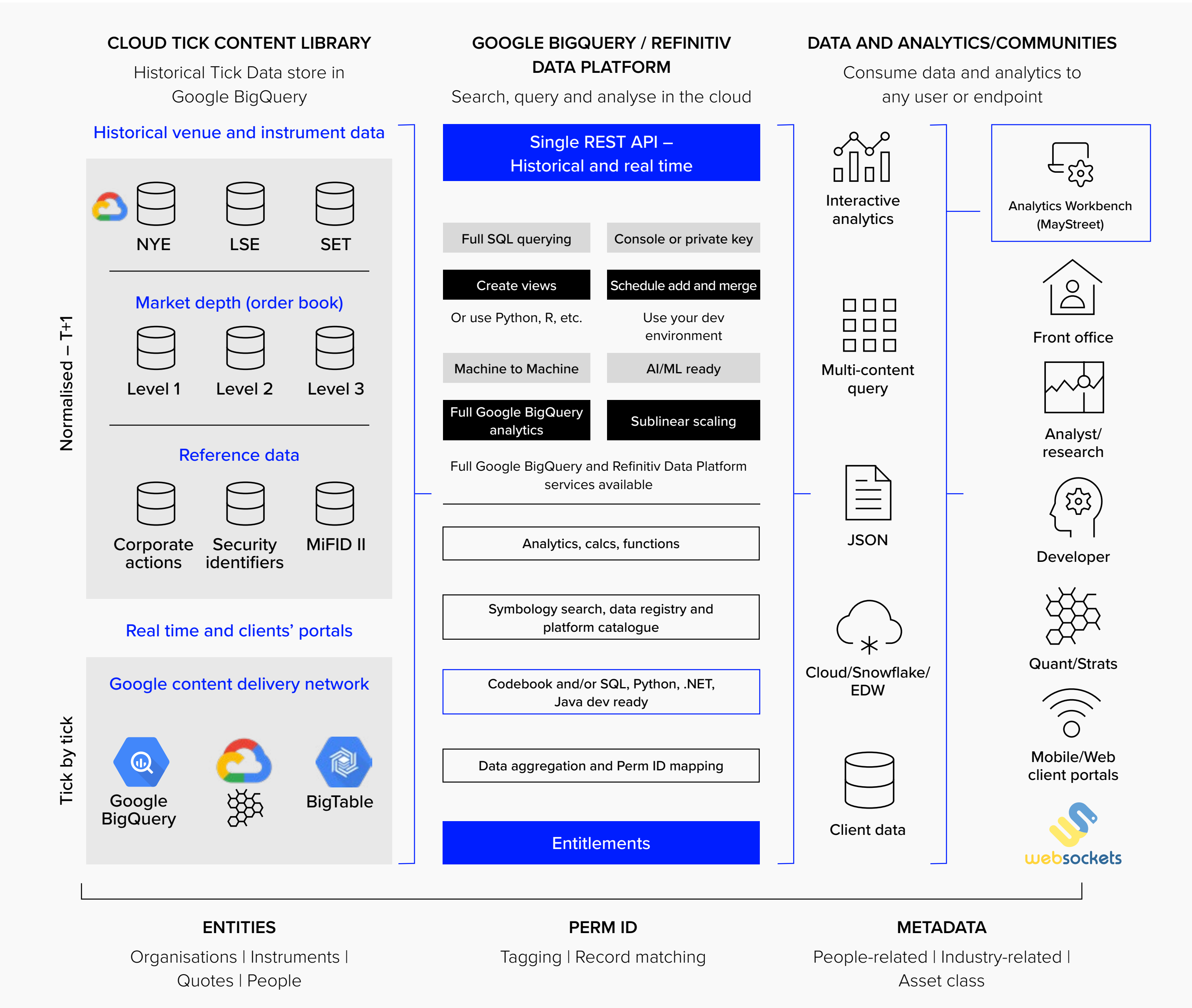
POWERED BY GOOGLE® BIGQUERY™

Access entire tick history data faster, with the full power of the Google® BigQuery™ compute engine and at a lower cost than your on-premises systems.

Refinitiv Tick History – Query is a managed service database with the full depth and breadth of Refinitiv Tick History data. You can query this database directly using the Google BigQuery engine, either via the Google-provided GUI or via an API from your preferred environment (e.g., SQL, Python/Visual Studio) and programming language of choice. Take full advantage of cloud computing to obtain faster results and to run your queries across multiple venues and years of data without the need to break the data down.

Benefits of Tick History – Query

- Access the unrivalled breadth and depth of Tick History data
- 9.576 petabytes and 38.7 trillion rows of data
- 363 venues, 26 years of normalised MP, LL2 and L3 back to 1996, encompassing all asset classes, corporate actions and reference data
- Lower total cost of ownership
- Analyse data faster without the need to download, extract or transform the data



REFINITIV®

An LSEG Business

Refinitiv Tick History

Refinitiv Tick History offers the largest breadth and depth of historical tick data available today and gives you access to the one of the largest serverless data warehouses on the planet.

Tick History data use cases:

- Alpha generation
- Quantitative research
- Backtesting
- Market surveillance
- Regulatory compliance (e.g., MiFID II, FRTB)

Access the full depth and breadth of Refinitiv Tick History

DATA Unmanipulated recorded trade and quote messages from Refinitiv's real-time data feeds since 1996		
Region	Global: Americas, Asia-Pacific and EMEA	
All asset classes	– Equities – Fixed income – Foreign exchange and money markets	– Commodities and energy – Futures – Options – Economic indicators

MESSAGE TYPES With integrated reference data, Refinitiv Tick History enables the creation of seamless historical time series effortlessly and ensures you can account for trading pattern anomalies and survivorship bias.	

Time series data	– Trades and quotes (Level 1)
	– Market depth (Level 2 and Level 3 data)
	   – Market by price
	   – Market by order
	– End-of-day prices
	– Intraday summaries (One second, one minute, five minute, 15 minute, hourly)

Reference Data	– Corporate actions (Corax) – Secondary indentifiers (ISIN, CUSIP, SEDOL, RIC, etc...)
MiFID II-specific data	Tradeweb APA, MarketAxess Vienna APA, BATS APA (including BATS SI), NASDAQ Nordics APA, NEX

Why Refinitiv?

Data you can use out of the box

Refinitiv is the de facto industry standard for normalised market data. Worldwide, we have teams of data specialists who perform comprehensive corporate actions, symbol changes and data cross-referencing – so data reaches your applications in a totally current, standardised and open format.

Related solutions and services

- Refinitiv Tick History
- Market Data Lake (MayStreet)
- Analytics Workbench (MayStreet)
- Machine-ready News

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Refinitiv, an LSEG (London Stock Exchange Group) business, is one of the world's largest providers of financial markets data and infrastructure. With $6.25 billion in revenue, over 40,000 customers and 400,000 end users across 190 countries, Refinitiv is powering participants across the global financial marketplace. We provide information, insights and technology that enable customers to execute critical investing, trading and risk decisions with confidence. By combining a unique open platform with best-in-class data and expertise, we connect people to choice and opportunity – driving performance, innovation and growth for our customers and partners.

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