

# PROFESSIONAL SERVICES

## Cloud adoption: transform your trading data infrastructure

Adoption of cloud infrastructure with proper integration of APIs into trading systems and workflow applications can be resource intensive. Knowledge of APIs in the context to your workflow and data model, as well as execution knowledge to migrate off existing legacy infrastructures are critical to shorten implementation times and minimise costs.

### About Professional Services

Professional Services is a global in-house team of business and technical consultants, engineers and project managers who deliver human and technical expertise to help you maximise the value of Refinitiv products and services.

Our group have a deep knowledge and understanding of Refinitiv's data and our clients' infrastructure. This enables us to support your workflow needs. Professional Services packages aim to reduce the effort, implementation timelines and costs for you from the start of service subscription to adoption.

### Key solutions and capabilities

Refinitiv offers consolidated access to real-time, reference, end-of-day, time series and alternative data in the cloud to power and deploy your workflow-critical applications.

**Refinitiv® Real-Time – Optimized** delivers market-leading, conflated real-time data across 100m+ instruments via WebSocket APIs without the need for an installed device or application.

**Tick History in Google Cloud Platform™** is a managed service database of the full depth and breadth of Refinitiv® Tick History data, allowing you to query directly through the Google BigQuery Engine and take advantage of cloud compute to scale your workflow needs.

**Other Refinitiv® Data Platform APIs** bring cloud-enabled access to data sets from company data inclusive of fundamentals, events and ESG, to other exclusive content like Reuters News and Refinitiv® Lipper® Funds data.

**Advanced Solution Kit (ASK)** is a Java framework that streamlines the data integration process, including symbol conversion, source recombination, format standardisation and protocol abstraction. The development process with ASK minimises time to market and can be hosted in the cloud.

### Service package overview

Our highly specialised team will assist you in the migration to cloud data infrastructure and the adoption of services, including Refinitiv Real-Time – Optimized and Tick History in Google Cloud Platform.

**Upgrade from legacy Refinitiv solutions:** For customers who are on deployed Refinitiv Real-Time services, including Elektron

Connect, the Professional Services team can offer Refinitiv® Real-Time Legacy Protocol Converter (LPC) services that allow for faster time to migrate to cloud without the need to recode. The team works with you to connect your existing applications to the LPC software and will act as the point of contact for your implementation.

**API migration consultancy and project management:** With Professional Services, you get direct access to experienced API consultants with deep knowledge of Refinitiv APIs. We can help you streamline your approach to authentication, entitlement, understanding our data model and requesting data.

**Technical changes implementation:** As the technology evolves, we regularly update our software to simplify and enhance our product portfolio. This may require domain migrations and code updates. The Professional Services team can help with these upgrade changes, ensuring that there is no disruption to your business.

**Training and upskilling:** Deep dive sessions delivered by experts will enable you and your team to scale your ability to manage accessing data in the cloud with your business requirements in mind. This also includes walk-through of sample codes with API and use cases, as well as access to the Refinitiv® Developer Community and other support channels.

### Key takeaways

- Expert assistance for migration to Refinitiv cloud services, including Refinitiv Real-Time – Optimized
- Direct access to experienced capabilities, including API training session delivered by experts, help customers to learn new APIs quickly
- Introduction to useful resources within Refinitiv, such as the Refinitiv Developer Community, support teams, API documentation and more

### Use case: Tick History in Google Cloud Platform

- Creation of GCP Cloud project and initial data load of Tick History
- Identity and Access Management (IAM) set up to support administration of user account and access, including setting user access quota limits to prevent unbounded queries
- Configuration of BigQuery database including data set creation and setting up of instrument lists
- Creation of sample queries showing best practices, including data set partitioning and "sharding"
- Creation of dataflow process to allow overnight and backfill processes