

# REUTERS DATA FEED DIRECT

LOW-LATENCY DIRECT CONNECTIONS WITH LEADING EXCHANGES

Supercharge your algorithms and other applications with direct connections into the exchanges that matter most to you. Thomson Reuters has applied its knowledge and expertise to deliver the fastest and most innovative direct exchange service available today.

Our experience in content management and market data distribution means you'll get the most comprehensive data – at the lowest latencies available.

## **ONLY THOMSON REUTERS OFFERS A FULLY MANAGED DIRECT FEED SERVICE**

We provide, maintain and support software, hardware and capacity – and we monitor each direct feed server remotely, 24/7. Our global reach and support infrastructure means you'll get unbeatable local knowledge and assistance. Our fully featured service, unique in the industry, is winning the loyalty of financial services organizations around the world.

## **CONSISTENT – FULL DATA NORMALIZATION**

Thomson Reuters is the industry standard for normalizing market data. Our market logic enables you to integrate and use our data in all your applications easily. Universal Reuters Instrument Code (RIC) symbology provides an industry and enterprise-wide point of reference for a wide range of security identifiers.

Our worldwide teams of content specialists cross-reference data content, corporate actions and symbol changes so that information is delivered to your applications in an up-to-date, standardized, open format.

## **FAST – ULTRA-LOW LATENCY**

Reuters Data Feed Direct benchmarks an average latency of less than one millisecond during periods of high traffic. What's more, we achieve these lightning results in rigorous testing conditions, with numerous applications connected concurrently. This means you should easily be able to reproduce and improve on our figures.

Benchmark testing is under normal conditions, but we also test at theoretical maximum market rates so we can plan for the future. A rolling 12-month roadmap details the many maintenance improvements we have planned at any moment.

Thomson Reuters tests a feed's latency throughout the initial development cycle and on an ongoing basis as new product versions are released. So you can be sure that we will maintain the capacity you need, even as update rates soar. And every time an exchange ships a new release, we run regression and quality assurance checks to optimize the feed's performance.

## **DETAILED – FULL ORDER BOOK DATA**

Reuters Data Feed Direct uses the Reuters Open Message Model (OMM) to bring context and depth that is unavailable in any other direct exchange solution. Because OMM is so flexible and lightweight, it can easily handle complex data sources, which are packaged and compressed using Reuters Wire Format technology for additional latency benefits. Depending on the feed source, we'll provide as many price points as an exchange offers. That means full depth of price-level information, without price aggregation, for multiple markets globally.

## **GLOBAL – WORLDWIDE CONTENT COVERAGE**

Managing the market data content of over 250 global exchanges, Thomson Reuters is the world leader in distributing high-quality exchange and ECN data. As customer demand drives the need for low latency, we have the global presence and local expertise to build out every major cash, equities, derivatives and commodities and energy market globally in our direct feed offering.

Our regional development teams are aggressively expanding Reuters Data Feed Direct around the world. We currently support the key exchanges across North America, Europe and Asia and we continue to add new asset classes and venues.

For a list of supported venues, contact your Thomson Reuters Account Manager or visit [reuters.com/datafeeditdirect](https://reuters.com/datafeeditdirect)

## **EASY – FULLY MANAGED SERVICE**

Reuters Data Feed Direct is the only fully managed global service in the market today. We free your IT and market data support teams to focus on your business. Our fully managed service includes:

- All required hardware and software, maintained and supported by Thomson Reuters
- 24/7 remote proactive monitoring, including requests for exchange re-transmissions
- Day-one exchange changes implemented straight away – Thomson Reuters does the work for you



THOMSON REUTERS

- Daily file maintenance to manage symbology mapping, listings changes, options rollovers, corporate action changes and additional value-added metadata
- RIC symbology applied across the board for consistent enterprise-wide data management
- Real-time line arbitration logic in our servers helps to eliminate the risk of lost frames and looks for the 'fastest line', contributing to improved latency

#### DEPENDABLE – GLOBAL SUPPORT

- A fully trained, fully staffed Reuters Data Feed Direct global support structure looks after you from installation through to production support
- Troubleshoot easily and use standard Thomson Reuters global service protocols to minimize your downtime
- Dedicated hands-on support through the help desk and the Customer Zone at [reuters.com](https://reuters.com) – available 24x5
- Regional exchange relationship managers ensure you receive critical bulletins about exchange upgrades
- Direct data enriched remotely with corporate actions, derived fields and other information – for example, for exchanges that do not supply a closing price, Reuters adds it automatically for you

#### SEAMLESS – PLATFORM INTEGRATION

Reuters Data Feed Direct integrates seamlessly with the Reuters Market Data System (RMDS) and the latest Reuters Foundation API, so you can use direct and consolidated feeds in a single environment, with minimal modification to your applications. Control total costs by blending full order-book data from selected markets with aggregated content from others:

- Consistent APIs and common models make it easy to develop applications and feed direct data into existing applications
- Wider integration into non-Reuters platforms
- Our data model is backwards-compatible with old APIs, so you can work with existing applications while taking advantage of full order-book data
- Seamlessly integrate Thomson Reuters ultra-low-latency content with your historical tick-by-tick database
- Data Access Control System (DACS) compatibility helps you to entitle users and report data usage in order to control your exchange fee liability and meet compliance requirements

## TWO ACCESS OPTIONS

### DIRECT – MANAGE YOUR OWN CONNECTIVITY

Reuters Data Feed Direct eliminates intermediaries between you and the exchanges, so you can manage exactly how data reaches you, how it's being processed, and what backup facilities are in place. Because your contract is directly with the exchange, you have full control of the commercial and connectivity details and freedom to manage the telecommunications setup so that data is taking the path of least resistance to reach you in the shortest time.

### HOSTED – THOMSON REUTERS MANAGES YOUR CONNECTIVITY

If you cannot devote resources to managing deployed direct feeds, Reuters Data Feed Hosted

takes away the burden. We consolidate feeds at data centres in close proximity to the exchanges, using the fastest available network exchange connectivity. We then deliver a single, high-speed data feed, via redundant communications lines, with the specific content your applications require.

To learn more, including the latest exchange developments, contact your Thomson Reuters account manager or visit [reuters.com/datafeeddirect](https://reuters.com/datafeeddirect)

