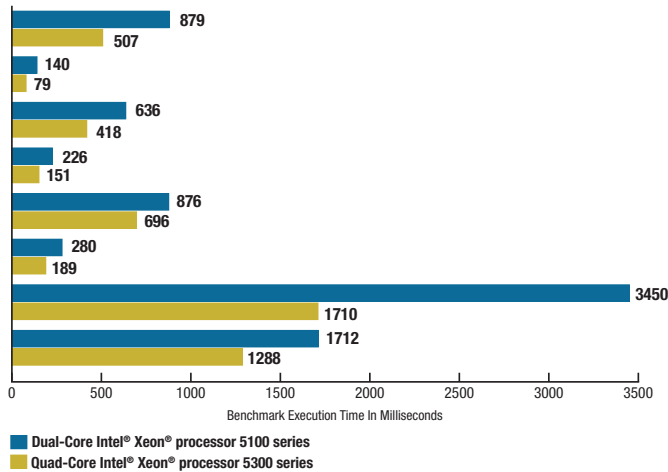


# Quad-Core Performance Delivers Market Data Analysis in Half the Time

“Our clients rely on kdb+\* to integrate their risk management and trading strategies and help them optimize short-term market opportunities. When we tested the newest Quad-Core Intel® Xeon® processor-based server against the recently released dual-core offering, we were able to query one month’s worth of NYSE TAQ data on our kdb+ database platform *almost twice as quickly*. For our clients, this kind of speed is crucial for making real-time business decisions and keeping ahead of the competition.”

Simon Garland, CTO Kx Systems



Market data volumes continue to rise exponentially, and regulatory and competitive requirements are increasing the need for real-time analyses. Quad-Core Intel® Xeon® processor-based systems meet these challenges with unprecedented performance.

In the market data industry, speed is the essence of competitive advantage – every millisecond counts. Kx customers, who are among the world’s top-tier trading firms, are processing billions of records across multiple asset classes, sometimes from dozens of different data sources. The ability to make trade decisions and manage risk in real time is crucial.

We expected that the new Quad-Core Intel® Xeon® processor-based servers would significantly raise the performance bar, and our early benchmarks confirm it. Our tests ran typical queries on one month’s worth of NYSE Trade and Quote (TAQ) data – over 1.7 billion records.

These intensive queries ran *up to 2X faster*. Now, when a client has to correlate the timelines of many hundreds of stocks against each other or assess their risk in real time, they have more processing power to do so. Kx provides a unified approach to streaming, real-time and historical data enabling auto, cross-asset and program trading; real-time order books processing; pre- and post-trade risk scenario analysis; back-testing of trading strategies and better regulatory compliance. With Intel’s new quad-core processor series, it can now happen much faster.

For more information, visit [www.kx.com](http://www.kx.com) or contact [info@kx.com](mailto:info@kx.com).

Solution provided by:



Benchmarks compared a server with Dual-Core Intel® Xeon® processors 5100 Series 2.66 GHz with 20 GB of memory and FSB 1333 MHz to a server with Quad-Core Intel® Xeon® processor 5300 Series 2.66 GHz with 20 GB of memory and FSB 1066 MHz. Both servers were running 64-bit Red Hat Linux\*.

\*Other names and brands may be claimed as the property of others.

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