Kx for Pharma
Clinical Improvements

With today's technology-fueled advancements in life science research, a new information explosion has spurred the search for more powerful and efficient ways of processing massive data volumes.

Researchers today, for example, run multiple statistical simulations of clinical trials before submitting the results to the FDA for approval — yet these analyses are increasingly being constrained by upper limits in traditional database design and technology.

That's why pharmaceutical companies performing complex analytics on large drug testing databases are drawing on the benefits of Kx Systems' kdb+ for low-latency, in-database analysis, from both a real-time and historical perspective.

Big speed for Big Data
Known for its proven track record in the financial services industry, kdb+ consistently outperforms other databases in speed, reliability, and overall TCO. This means that pharmaceutical companies can now run their large-scale simulations orders of magnitude faster than with traditional technologies. And, they can run many more simulations on a test case than before, thereby solidifying results and reducing the chances of having the results rejected by the FDA.

What's more, kdb+ is ideally suited for use on large sets of pharmaceutical company sales data for complex aggregate queries and sophisticated reporting, including for onsite mobile apps.

> "Pharmaceutical companies use large data sets to run simulations and analyses for massive drug trials and to push physician-specific product information to salespeople in the field. kdb+'s proven track record in financial and other sectors gives these customers the confidence they need to build out systems having increasingly large, complex, and low-latency data requirements."
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> Fintan Quill, Senior Engineer, Kx Systems

One for all
Kx technology runs on Linux, Solaris, Windows, and OS X operating systems, and requires only standard commodity hardware. kdb+ takes full advantage of the latest generation of processors built for vector arithmetic, giving it tremendous speed and making it especially helpful in applications such as data capture, proprietary trading, risk management, event processing, business intelligence, and much more.

Industry players
 Kx's mission has always been to provide powerful solutions for companies to tackle the most complex and data-intensive applications. That's why Kx customers tend to be market leaders in their fields — from top-tier investment banks and capital markets consultants to providers of cloud-based analytics and business process management. All of these enterprises share a common objective: to gain competitive industry advantage.

For more information about Kx Systems, please visit our website at kx.com