



Bandwidth Selects Streams for Kx for Real-time Business Intelligence and Network Quality Alerts

Kx, a leader in high-performance database and time-series analytics, announces that its Streams for Kx for product will be used by Bandwidth, one of the fastest growing and most innovative communications technology providers in the US, to fulfill its real-time systems monitoring requirements. In particular, Streams for Kx for will be integral to Bandwidth's Republic Wireless product, which provides consumers access to a cost-effective smartphone solution that uses Hybrid Calling technology to leverage both cellular and Wi-Fi networks for data, talk and text.

Bandwidth needed a solution that would provide views on system statistics, as well as the ability to implement alerts to detect anomalies that may indicate the need to reallocate server resources or investigate unusual usage of the Bandwidth network. This ability to monitor their resources in real time gives Bandwidth's Republic Wireless team key insights on the efficiencies of their network and allows for better capacity planning as their business grows.

As the volume on the network increases, the number of data points being generated has risen dramatically. Streams for Kx was deployed to capture the pertinent system quality and latency statistics and store the processed information to disk for historical benchmarking.

Republic Wireless staff also benefited from kdb+ training and accreditation, allowing the analysts to develop ad hoc analytics and alerts in house, which are then distributed to the Republic Wireless staff members through the Kx Dashboard visual layer.

Streams for Kx is in use globally at securities companies, trading exchanges and telecom companies to meet a range of business challenges. It is one of the world-class, flagship applications within the Kx suite, a powerful "Big Data" platform, offering capabilities in data analytics, event processing, algorithmic trading, FX aggregation and risk management.

Jim Mulcahy, EVP & General Manager for Republic Wireless, said of the new system: "Streams for Kx from FD offered us the ideal platform for processing the high volume of systems data that passes through our networks. As a result we now have real-time insight into the efficiencies and demands on our network that in turn enables us to better manage our services and continually improve the overall customer experience."

Brian Conlon, Kx's CEO, said of the selection of Streams for Kx by Bandwidth: "We are delighted to partner with a progressive technology company like Bandwidth. Although Streams for Kx is used primarily and extensively in the Capital Markets, the flexibility of the technology means that it has applications in other sectors such as gaming, energy, utilities and telecoms. The adoption Streams for Kx by Bandwidth attests to that adaptability and openness."

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