



Fintech company experiences 10x performance at 1/5th the cost with KX

Co-Founder and CTO

“I just had to go with kdb+. We were able to use the cheapest storage AWS offers, S3, with 99% reliability, while maintaining the same performance as if working off SSDs at less than 1/10th the cost. It’s incredible.”

Organization: **US Fintech Company**
Geography: **Global**
Industry: **Financial Services**
Employees: **20+**

This fintech start-up was created in 2016 with the vision to create an industry standard for FX TCA, a rigorous pre-trade and post-trade analysis. In 2018, the company was acquired and domiciled within the parent company’s standalone technology services provider business, that functions alongside other market utilities such as FX Connect & Fund Connect. The acquisition enabled its fintech solution to expand into the parent company’s existing analytics and deliver a multi-asset TCA platform.



Having first thought KX might be too expensive because of its prevalence in all the major banks, he was surprised KX saved 75% of costs



US FINTECH COMPANY

THE CHALLENGE

The CTO of the start-up began with the goal of finding the best database for its new fintech system. Initially he was just looking for something that was manageable and cheap, however, as he evaluated various systems the list of criteria grew as he better understood the business needs. The requirements included flexibility, interoperability, a powerful query language, the ability to utilize cheaper storage, and being fast. Selecting a database that matched their needs perfectly was a critical decision the CTO had to make.

WHY KX

He spent 3 years testing out several databases that integrated well with their systems, were manageable, cost effective, and met his other criteria. He evaluated a popular document store, a fully managed time-series database, a key value store, a data warehouse, a popular database with extensive querying capabilities, and a distributed database. During these evaluations, finding the right fit was more of a challenge than he realized. The faults he found in them included incomplete query languages, massive server requirements and unacceptable best-case performance. Having first thought KX might be too expensive because of its prevalence in all the major banks, he was surprised KX reduced costs by 75%.

Interoperable, APIs for Python, R,C

THE BENEFITS



Installed and **started running in the cloud** in a few clicks



Allow **use of cheap storage like S3** instead of expensive SSDs



Saved 75% of the costs compared to the previous solution



Interoperable, APIs with support for Python, R, C



Complex queries can be expressed in few lines