



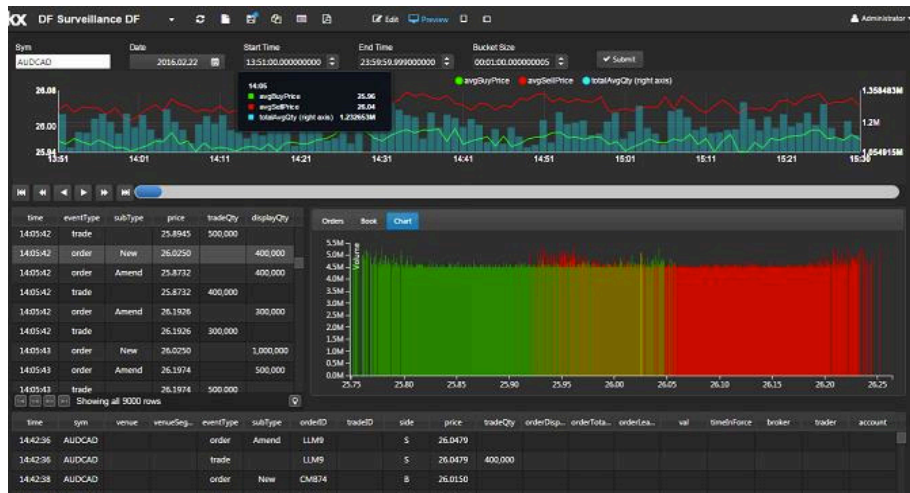
it's about time

# Dashboards for Kx

## Visualize, Analyze and Monitor Massive Datasets

Harness the skills of your organization with Dashboards for Kx. Discover new opportunities in your data; take advantage of a full suite of tools with OLAP tables, multi-charts, maps and more. In-built custom components offer ready-made surveillance, tick-driven financial charts, and alerting solutions. Or take your dashboards to the next level with components developed in-house using the Dashboards for Kx SDK.

Dashboards for Kx deliver stunning visuals to bring your data to life. Building dashboards has never been easier; with no programming experience required your first dashboard can be built in minutes. Customization is made simple, from ready-made color palettes to optional CSS and HTML formatting, there is something for everybody. Dashboards for Kx bring ideas and data together in simple harmony.



**Rich Visualization** - a wide range of interactive display options – heat maps, bar graphs, tree maps, candlestick graphs, pie charts, dot plots, spread graphs, advanced data filtering, sorting, paging, user configurability and others. A Dashboard Builder Wizard enables users to construct required dashboards instantaneously. An interactive environment provides immediate feedback for rapid development.

**High-Volume Streaming Data** - supports hundreds of thousands of streaming records-per-second, with no degradation thanks to the power of Kx. Kx technology's ultra-low latency provides the speed necessary to deliver real-time data flow. Whether managing real-time financial tick data or real-world customer interactions, Kx data solutions ensure you never have to wait for an answer to your questions.

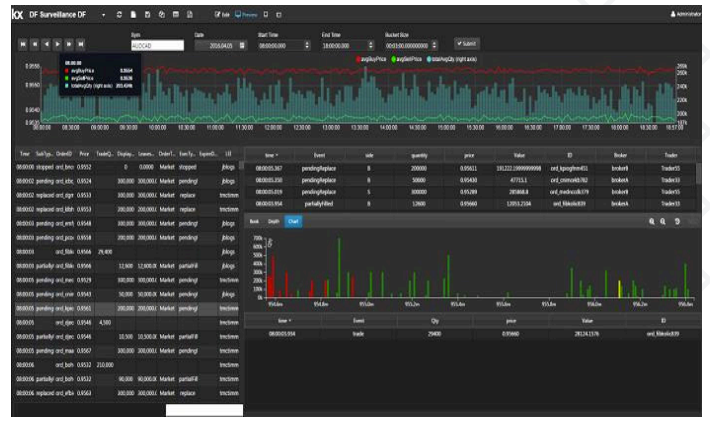
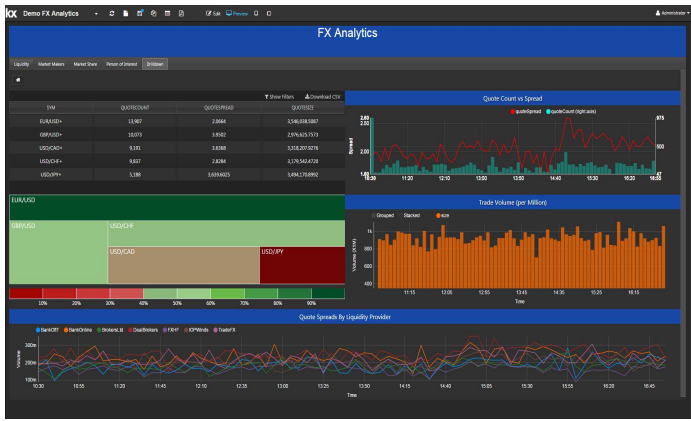
## At a Glance



Dashboards for Kx is a powerful, highly configurable, HTML real-time presentation layer providing rich visualization of Kx historical and streaming data.

## The Kx Advantage

- Stunning visuals harnessing HTML5 technology
- No programming experience required. Develop your first dashboard in minutes
- Powering self-service business intelligence throughout your organization
- Simple customization using ready-made color palettes with optional CSS and HTML formatting
- Supports hundreds of thousands of streaming records-per-second with no degradation
- Rich visualization layer onto Lambda/HTAP architecture of Kx's streaming analytics platform
- Full suite of tools with OLAP tables, multi-charts, maps and more
- Throttling, conflation by time intervals and server caching to support multiple users
- Dashboard can be shared across the web or entitled to individual users



## Enterprise Features

Full security and entitlements framework. Enterprise-level Disaster Recovery framework. Full audit trail provides logging all user actions. Enterprise-level scalability. Provides additional configurable layers of permissions and security.

## Power of Kx

Kx can handle hundreds of thousands of records per second as updates while maintaining sub-millisecond query response times. Achieves its high-performance through 64-bit architecture - essential to manage today's data volumes. Kx has dynamic indices, required to be able to make efficient use of real-time data. Kx can operate on data directly, minimizing data traffic.

## Complex Queries

Ability to drill into results by double clicking in a row of data. Slice and dice the underlying data by dragging the column names across the breadcrumb trail. Supports complex parameterized queries. Provide quick access to aggregated information for strategic analysis.

## Subscription Mode

Optimized for streaming data, throttling and conflation by time interval and server side caching to support multiple users and achieve enterprise level scalability.

## About Kx

Kx has been the software leader for complex analytics on massive-scale streaming data for over two decades. The Kx technology is an established and trusted standard for trading, surveillance and research in financial services. Kx has emerged as the elegant, integrated solution to the analytic needs of the Pharma, Retail, Utilities and High Tech Manufacturing industries scaling effortlessly to the data challenges of the Internet of Things.

Kx is a division of First Derivatives plc. Listed on the London Stock Exchange [FDP:LN] First Derivatives is a specialist software and consulting organization with a uninterrupted track record of customer success and profitable growth since it was listed in 2002.

## Dynamic OLAP

Facilitates user defined OLAP views over massive volumes of real-time and historical data. Creates results on the fly - eliminating the need to preprocess and store redundant data. Link multiple grid and graph views to a single underlying OLAP data source, so that multiple graphical views of the dataset are visible at the same time. Provide quick access to aggregated information for strategic analysis.

## Processing Efficiency

Throttling, conflation by time intervals and server caching support multiple users and achieve enterprise level scalability. Leverage Kx technology to bring together powerful data management with a smooth front-end experience.

Display streaming time-series data in real-time. Streaming and historical data merged on demand. Pivot on key dimensions. The underlying schema is encoded in the query builder to allow for very complex queries, including joins across multiple tables, via an easy-to-use drag and drop user interface that hides much of the complexity from the end user.

## Kx in Action

### Visualize and Explore Data

- Dashboards for Kx
- Analyst for Kx

### Industry Solutions

- Finance
- Surveillance
- Algo
- Flow
- Pharma
- Utilities & IoT

### Control, Deploy & Monitor

- Control for Kx
- Stream for Kx
- Kx for Monitoring

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