

Cloud-first, real-time streaming analytics

Why KX Insights?

- Microservices-based real time analytics on streaming and historical data.
- Leverages cloud standards and services for speedy development and delivery of actionable insights.
- Natively connected to cloud protocols for maximum security and interoperability.
- Full Kubernetes support for cloud, on-premises, and hybrid deployments.

Additional Resources

- [KX Insights datasheet](#)
- [Introductory workshops](#)

Product overview

KX Insights is a cloud-native platform for real-time analysis of any data, providing firms with dynamic insights into what's happening, right now. It leverages cloud technologies, services, and protocols that make solutions more scalable, robust and interconnected, as well as easier to deploy, manage and maintain. Advanced analytics and Structured Query Language (SQL) querying of data enable users to derive insights, detect anomalies, and automate responses – all in real-time.

Product features

Direct access to low-cost storage

KX Insights works natively with object storage, giving clients easy and cost-effective access to third party storage from the major cloud providers. Easy because it eliminates the need for third party plugins or conversion tools and lets user load or save data directly. Cost effective because object store is multiple times cheaper than regular storage.

Trusted cloud security and messaging

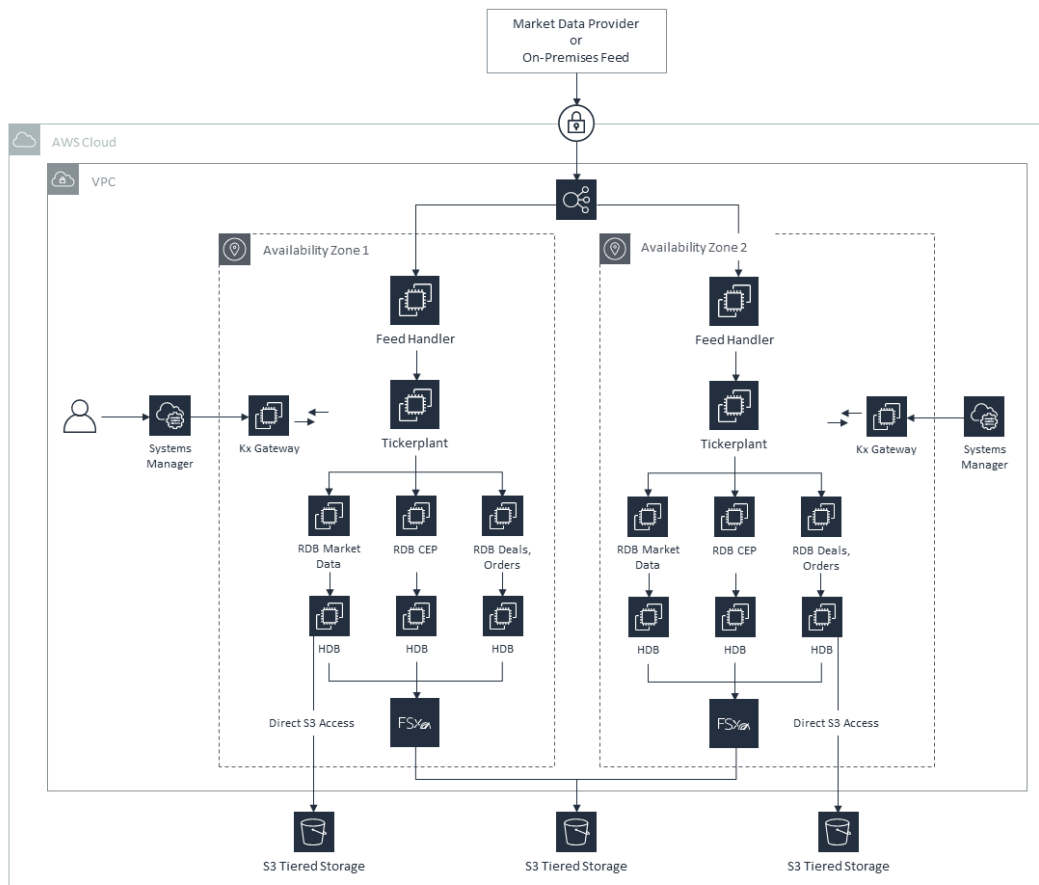
KX Insights provides an integrated secure enclave for storing cloud credentials, integration with standards-based authentication, and access control protocols. It connects directly to AWS Kinesis streaming protocols and middleware solutions like Tibco, MQ, or Solace.

Simplified connectivity and integration

KX Insights includes both client and server representational state transfer application programming interface (REST APIs) for standardized and secure two-way consumption of data and services. This couples with third parties but continues to support interprocess communication (IPC) between native kdb+ processes as a high-performance alternative where required.

How it works

KX Insights uses a microservices-based architecture for capturing, storing, and processing high-volume, high-velocity data using cloud standards, services, and protocols. It taps the power of cloud-native technologies like serverless deployments, enabling developers to focus on business functionality rather than worrying about hardware infrastructure and deployments. Quick to deploy and easy to operate across all cloud environments, public and private, KX Insights enables you to put those benefits into action, now.



Differentiators

- Using a microservices approach, units of functionality are developed as self-contained units that can be quickly and easily orchestrated into applications. This arrangement benefits automatically from the supporting scalability and fault-tolerance of the cloud.
- Building upon open standards like Docker and Kubernetes provides both portability across cloud environments and deployment robustness. This helps support regular updates on a Continuous Development/Continuous Integration (CD/CI) paradigm.
- Adopting cloud-native technologies for security, access control and messaging increases interoperability and simplifies integration, while standards-based logging and monitoring protocols simplify support and maintenance.

Data Points

