Near Real-Time Analytics

Technology Solution Overview

Kyligence Enterprise

- Petabyte-scale Data Sets
- 100,000+ Concurrent Users
- Sub-second Latency
- Rich API Support
- Visualized Intelligent Modeling
- Monitoring and Optimization
- Seamless BI Integration

Strengths

- Multi-dimensional Analysis
- No Data Capacity Limits
- Scalable Architecture
- Data Management
- Detailed Pushdown Queries
- Unified Semantic Layer
- No Coding Required
- Self-service Deployments

Today, customer conversations are occurring through a variety of social and customer service platforms, buyer behavior and web traffic patterns are continually shifting, and employees are accessing company resources across several cloud and on-premise technologies. All of these activities are producing enormous amounts of real-time data, all of which need to be interpreted immediately and compared with historical data. In the traditional big data platform, however, real-time and offline analysis are separated, as well as the data, interfaces, and governance.

While modern enterprises are able to capture and analyze historical and real-time data, the separation of data and tools results in excessive technical costs, duplication of resources, and massive delays in completing data analyses. It is now a complex responsibility to conduct business analysis, requiring the expertise of developers, data scientists, and more data analysts. Barriers to data insights have meant that enterprises can't compare current user behavior to historical behavior in a timely manner, leading to missed opportunities and increased risk exposure.

Solution

To realize the promises of big data, enterprises need simplified portals, unified analysis, and the ability to quickly correlate real-time and historical data. By hiding the differences between data architectures, enterprises can empower analysts without deep technical expertise, retrieving insights at a fraction of the cost. With a unified data analysis interface, enterprises can discover important insights in near real-time, shortening decision-making from weeks to minutes.

By delivering ultra-high performance, high query concurrency, and intelligent precomputing and indexing technology, Kyligence enables enterprise companies to leverage their big data architecture for near real-time data analysis. Enterprise analysts can finally stop caring about the underlying technical details, and focus on enabling innovation, accelerating growth, and reducing risk.

Why Kyligence?

With Kyligence, enterprises can easily enable the OLAP layer on big data, while seamlessly integrating with the front-end tools that they know and love.

Accelerated Time-to-Insights

On tens-of-billions rows of data, query times can be less than one second, improving performance by hundreds of times.

Improved IT Efficiency

Business personnel can analyze big data independently and easily compare historical and real-time data. Development cycles for technical teams can be shortened from months to days.

Simplified Deployment

Dimensions, metrics, and hierarchies are synchronized with one click, eliminating the need for repetitive modeling.

How it works

The unified big data analysis platform supports both historical data and real-time streaming data analysis scenarios. Data analysts are able to easily compare real-time data with historical statistics by using a unified SQL query portal. Familiar business applications can support more complex, multi-dimensional analysis scenarios, such as user dimensions, rule dimensions, and business dimensions. Data latency is also reduced down to 30 seconds for near real-time analysis.

Management Dashboard	Fixed Reports	Multi-dimensional Analysis	Ad-hoc Query

SQL

Kyligence Enterprise
AI-Augmented Analytics Platform

Machine Learning Engine	Data Modeling Automation	Kylin Powered Cube and Index	Smart Pushdown

Near Real-Time   **Historical**

Hot Data → Cold Data

Next Steps

Schedule a short conversation with a member of our team to learn how Kyligence can address your specific challenges. Visit our website and fill out the request form at https://kyligence.io, or send an email to info@kyligence.io.

About Kyligence

Kyligence Inc. is the company accelerating productivity with managed data services – on-premise to multi-cloud. Kyligence provides an AI-augmented data platform for analysts and data engineers, automating data management, discovery, interaction, and insight. Kyligence was founded by early contributors to Apache Kylin, and the Kyligence platform is being used by over 1,000 organizations around the globe, with many leading enterprises among them.

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