

Beating the Competition with Kyligence and Tableau

Case Study

Challenges

- Inconsistent Data Quality Across Systems
- High Complexity in Existing Systems
- Excessive Requests Burdening the IT Department

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

A leading financial services company worked with Kyligence to improve the speed and accuracy of their reporting, accelerating their decision-making processes. The international company provides many services to banking and financial sectors, including cash and investment management, finance leases, and trust funds. Their primary services are asset allocation, risk assessment, and project management.

Challenges

Due to changes in the market environment, traditional fixed income products are no longer meeting their customers' requirements, and the company has needed to update their offerings to stay competitive. The asset management group needed to develop more personalized products, improve asset allocation and risk management capabilities, enhance their research and analysis, and increase cashflow efficiency.

To address these business challenges, the company required more timely and accurate data to support their decision-making, but their systems were too complicated and required constant assistance from the IT department. Critical data resided in several different systems within the group, and the systems were mostly based upon relational databases. The business users would submit requests for data to the IT department, then IT would complete the tasks to integrate data across the different systems and make it available to the business users. This significantly impacted their ability to quickly respond to the market.

Solution

In 2017, the asset management group decided to implement a new Asset Management data platform. The new, unified platform became their central data repository, which served all of their business users. It provided high-performance data processing, reduced IT workloads, and optimized the entire workflow for data analysis.

Their new data platform consists of Hadoop, Kyligence, Tableau, and an updated enterprise portal. Data generated by application systems in DB2, Oracle, and others, is ingested into Hadoop for storage and analysis. Using Kyligence, OLAP cubes are created for the various areas of interest and then published as a business semantic layer, which maps underlying technical terms to the business terms in multi-dimensional

Results

Simplified Workflow

Data requests can be served in days instead of weeks.

Faster Query Responses

Queries that previously ran for minutes in a traditional data warehouse now finish in sub-seconds.

Improved IT Productivity

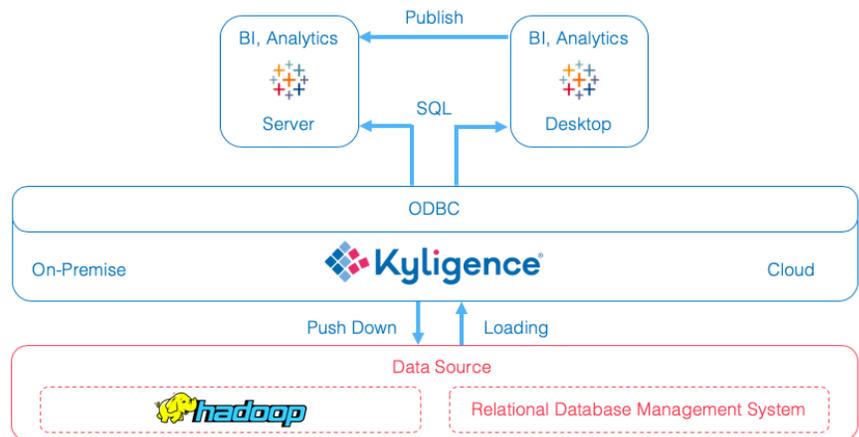
Less time is spent on data extraction and preparation.

Scalable for Future Growth

Supports anticipated growth in data volume and changes to business requirements, for the 5 to 10 years.

analysis. Now, the low latency of Kyligence makes it possible for users to rapidly analyze petabyte-scale datasets in less than a second, while using Tableau. Business users can also perform ad-hoc analytics with the drag-and-drop interface in Tableau.

In the past, the complex workflow to request, prepare, and deliver data between business and IT would often take weeks or months. The new workflow reduces this timeline to just days, greatly improving productivity across the company. The Kyligence analytics engine is the key component for Tableau users' self-service BI process.



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 leading data intelligence company that focuses on big data analytics technology innovation, founded by the creators of Apache Kylin. Kyligence is a next-generation big data analytics platform, using machine learning to automate both data preparation and insight discovery at massive scale. With extremely high performance for all data analysts and business users, Kyligence is being used by over 1,000 organizations around the globe, with many leading enterprises among them.

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