

# Big Data Analytics in Excel<sup>®</sup> with Kyligence<sup>®</sup> for self-service and improved efficiency

## Technology Solution Overview

### Kyligence Enterprise

- Petabyte-scale Data Sets
- 100,000+ Concurrent Users
- Scale-out Architecture
- Lower TCO, Higher ROI
- Unified Semantic Layer
- Seamless BI Integration

### Strengths

- Preserves business habits
- Massive data
- High concurrency
- Self-service analysis
- Unified data-security management

Excel<sup>®</sup> is the most widely used analysis tool in business, today. It has higher penetration and business acceptance because it is easy to use, offers granular data control, perfect analysis functions, convenient collaborative sharing. Even though enterprise data has grown exponentially with the rapid development of the Internet and new media technologies, Excel is often the tool of choice.

### Challenge

With the proliferation of data, traditional data warehouses and OLAP technologies have been unable to meet the needs of business analysts, and Excel can't effectively support modern analysis. To improve efficiency through technical upgrades, without affecting the habits of business analysts, IT departments face several challenges:

**Large Datasets with Excel:** Excel itself isn't effective at handling massive amounts of data, but IT is still required to provide the best analysis experience for analysts using Excel.

**Complex Requirements:** Modern data analysis often relies on the underlying platform to provide flexible and powerful business support capabilities. Some complex analysis scenarios cannot be realized in traditional warehouses.

**High-Reliance on IT:** The process of communication, development, and adjustment is time-consuming and labor-intensive for IT. This often hinders the efficiency of business analysts, who need data delivered as quickly as possible.

### Solution

Kyligence provides an AI-augmented analytics platform that supports analysis of ultra-large-scale datasets with sub-second response times, enables unified semantic definitions for business users, and directly connects to Excel and other popular BI tools.

## Success Story

A fast-food chain, with a large internal Excel user-base, was conducting multidimensional analysis by using Excel and traditional OLAP.

The company hoped to expand analysis scenarios across more than 50 billion lines of data for sales, product, and user-behavior analysis. The existing architecture, however, could not support the increased demands.

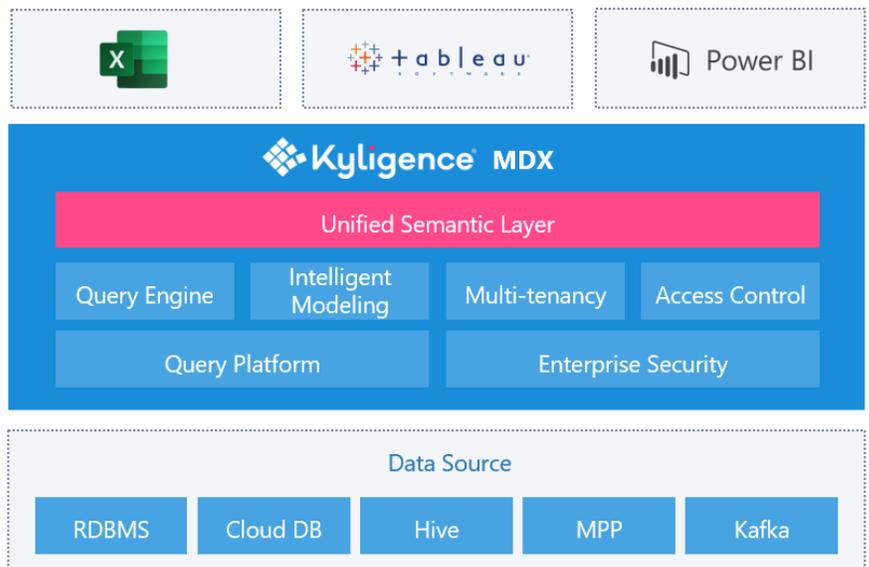
By implementing Kyligence within a big data architecture, the company realized a 100x improvement, without disrupting the original analysis experience, and have granular control of permissions.

Business analysts continued using Excel pivot tables, with precise deduplication, and connecting directly to the Kyligence platform.

Kyligence helps enterprises implement a big data architecture and release business big data capabilities to the entire organization.

**Consistent User Experience:** Kyligence connects big data directly to Excel PivotTables, which is the most familiar tool among business users. Users benefit from self-service analysis and can improve the efficiency of data-driven decision making for the business.

**Unified Data Governance:** Direct connection ensures that data is processed and stored on the big data engine side. This avoids the risk of source data being scattered in Excel and ensures unified governance of massive amounts of 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](mailto: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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