

Oracle Analytics Cloud Accelerates the Data-to-Insights Process for a US-based Home Furnishings Company

Case study



Overview

Stitching up a single unified accounting database

The client's accounting data was stored in multiple databases, limiting its ability to generate insights and key reports.

Our client is a leading US-based upscale home furnishings company with multiple sales channels for its merchandise.

The client's accounting data was stored in multiple databases, limiting its ability to generate insights and key reports. The need for more speed and agility in a competitive, fast-paced retail environment meant the client had to transition to an easy-to-access, single source of real-time data that generated insights rapidly.

We integrated the accounting data and migrated it to an autonomous data warehouse (ADWH) on the Oracle Analytics Cloud (OAC) platform, reducing data loading time by 50 percent and enabling faster generation of reports and insights.

Challenges

Designing improved data warehousing

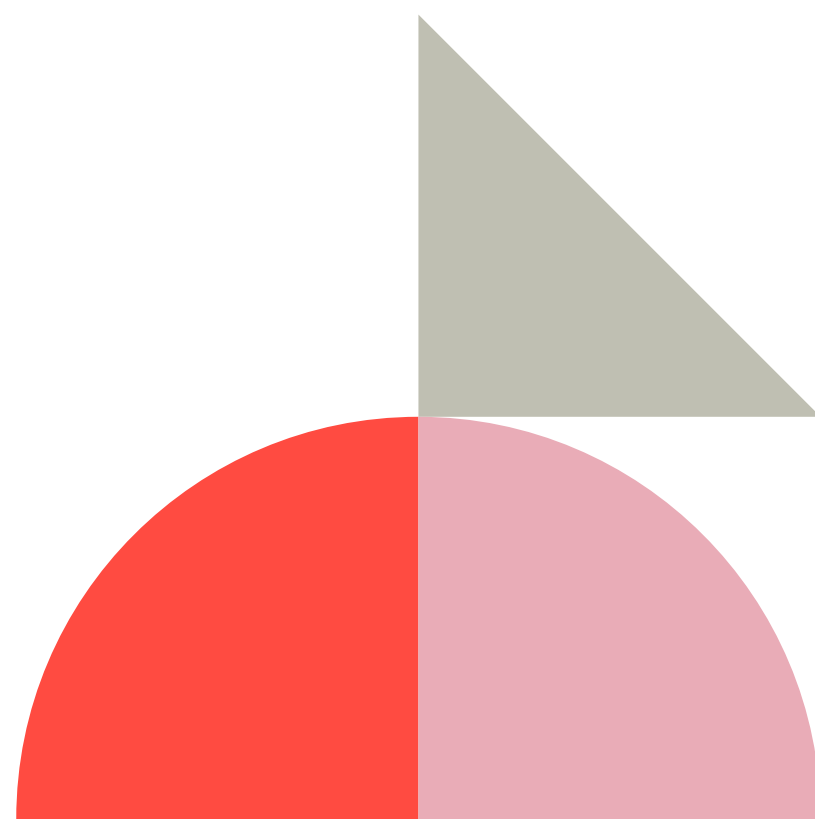
Retail systems could not store accounting data for this retailer because it was on several access databases.

Storing and managing critical data is the key to operational efficiency for retail organizations. The ability to leverage this data to make precise real-time decisions impacts the organization's success.

Retail systems could not store accounting data for this retailer because it was on several access databases. The accuracy and analysis of this data were critical to the efficiency of the company's inventory management and accounting processes. Stakeholders also accessed the data throughout the company for inventory and

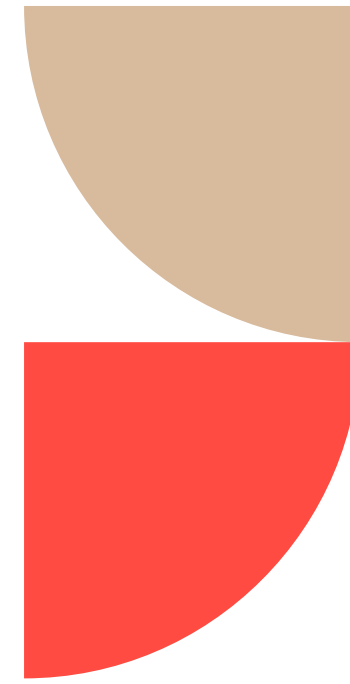
general accounting metrics on SKUs and categories. However, since the data was on multiple databases, retrieval speed, analysis, and insight generation were slow and impacted organizational agility.

Transition to a shared data warehouse was needed for easier access and faster generation of key reports with insights for business decisions. The new data warehouse had to support advanced analytics, reporting, and AI/ML functionalities while being scalable, compliant, and secure.



Solution

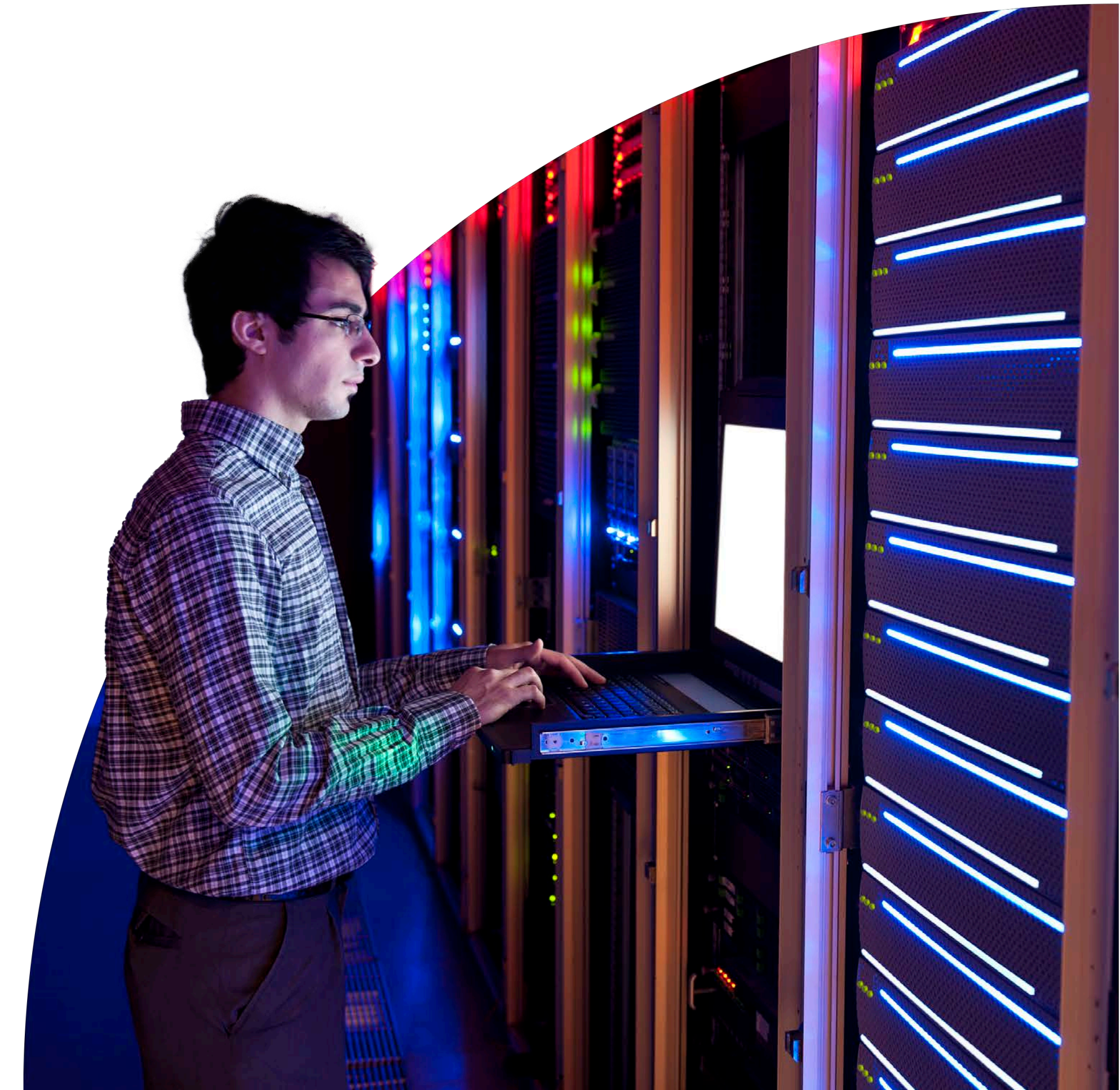
Pulling the seams on legacy infrastructure



The first step was to integrate inventory, AR reconciliation, and ad-hoc reporting data from legacy systems using Oracle Data Sync. Our teams leveraged the Oracle Analytics Cloud Data Integration Platform Cloud to integrate, transform, and replicate data from Oracle RMS, Oracle EBS, DB2 DB, Snowflake DB, MS SQL Server DB, MS Access, .csv files, .xlsx files, .txt files, and .pdl files. The integrated data was successfully migrated to an autonomous data warehouse (ADWH) on OAC, which would serve as a single source. The solution was built on the OAC platform while adding multi-level data security to support many users.

We also used data modeling to ensure scalability for future integration of new data sources. Detailed discussions were held with key business users to understand their needs and enable data retrieval and report generation for better insights.

We also enabled faster insights and enhanced the existing reports' visual formats through graphics using OBI Classic and Data Visualizer (DV). We built data sets, data flows, and models supporting ad-hoc reporting and analysis for data-backed speed and agility. Further, we ensured SOX compliance.





Impact

Modernizing with Oracle Analytics Cloud

The client was able to move away from legacy systems to improve reporting. It also achieved the following benefits with the Oracle Analytics Cloud deployment:

- Automation reduced reporting data loading efforts by over 50 percent
- Access to a single source of real-time data enabled faster insights and encouraged user collaboration
- Downloadable reports and visualization boosted data discovery
- Management could leverage advanced analytics for enterprise velocity
- Well-defined user roles leading to improved data security and better compliance

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