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40% Performance Improvement with Seamless Migration to Oracle Financials Cloud for a Top Ranked Public University

Case Study

Summary

A leading Public Research University needed to migrate database and data from their existing legacy DB2 mainframe platform, where data was hosted for more than 50 years to achieve better operational efficiencies, business outcomes, ease of operations and reduce operating costs.

Forsys implemented an Oracle migration methodology for an end-to-end source-to-target migration to Oracle Financials Cloud using FloData Oracle Cloud Adapter and Connectors, which helped to simplify and automate data processes, and easily convert database code and data from the source.

Problem Statement

Since the data structures and interfaces in legacy mainframes are widely different from Oracle Cloud; creating and executing a successful data conversion strategy took a toll on the operational efficiency of the educational institute.

The customer required assistance migrating/integrating data structures and data to Oracle Financials Mainframe and OFC so that they could perform advanced analytics and reporting. The biggest challenge was to move data from DB2 to the Oracle Cloud platform given their distinctly different operating environments. Additionally, Oracle's standard FBDI process to import data for mapping, cleansing, transforming and loading millions of data on OFC was cumbersome and exhausted the client.

Forsys, an Oracle Gold Certified, Cloud Excellence Implementation Partner, specializing in ERP Fusion Cloud - Financials and Fusion Cloud SCM operations, was brought on board to assist with the bulk data migration and integration. By initially investigating and solving issues within their current environment, we created a full-proof execution strategy to:

Connect Oracle Financials Cloud	Monitor import data process	Handle and manage errors	Reconcile and import data

Solution

Forsys designed & implemented the Oracle migration methodology for an end-to-end source-to-target migration. Using FloData Oracle Cloud Adapter and Connectors, we ensured that the customer can read and write data between Mainframes and Oracle Cloud. Additionally, the FloData Connectors helped to simplify and automate data processes, and easily convert database code and data from the source.

The key offerings of FloData include:

- Integrations with flexible deployment options- Cloud, On-Premises or hybrid model - without rewriting a single line of code.

- 60+ plug-and-play connectors to enable integration with any data source (applications, data & devices) within minutes.

- Out-of-the-box flow or create your own using the intuitive drag-and-drop capabilities with clicks.

Our Oracle team, comprising 100+ certified resources on Oracle Cloud, led the migration project by initiating a detailed assessment of the University's objectives and expectations followed by an analysis of database objects and structures and then finalizing the migration strategy with no impact on the availability and functionality of the system while maintaining complete data integrity.

Our solution approach focused on:

Data Mapping from source to target	Automated data integration using FloData	Data import and reconciliation	Importing multiple journals from the mainframe	Reporting errors

The Forsys team concluded the project by offering continued testing, post-migration support, knowledge transfer and performance fine-tuning wherever needed.

Benefits

By leveraging Forsys automated migration approach, the client witnessed the following:

- Improved cost efficiencies and reduced maintenance activities, leading to reduced business risk.

- Resource savings across all phases of the migration while maintaining project costs.

- Performance improvement of 40% compared to the previous legacy mainframe.

About the Client

The client is a Public Land-Grant Research University in Los Angeles, California. Named among the top 5-ranked Public Universities in the US for 5 years in a row, the institute offers a combination of academic programs—from the visual and performing arts to the humanities, social sciences, STEM disciplines and health sciences- and offers over 350 graduate and undergraduate programs.

Technology/Tools

Oracle Financials Cloud, FloData, NetSuite, JIRA