



Case Study: Health and Hospital Corporation Data Migration Project

CHALLENGE

A large health and hospital corporation stored data on multiple systems that did not integrate with each other. As a result, the organization could not easily access information, hampering its efforts to provide accurate and timely reporting to stakeholders.

PROBLEM

The existing data architecture made it difficult to generate complex reports because:

- The data from one system needed first to be downloaded to Excel, then manually mapped to data from other systems before any analysis could be performed
- Creating manual reports increased the possibility of errors and caused the organization's staff members to devote time to downloading data when they could have been engaged in more high-value tasks
- Users were confined to using the limited Excel-based data visualization tools, instead of more powerful tools that would provide a detailed picture of company performance

SOLUTION

The organization enlisted netlogx to optimize the use of an existing SAP HANA data warehouse to store their data in a configuration that allowed reports to be easily generated.

In order to better understand the existing data architecture and the true nature of the organization's data/reporting needs, netlogx began the project by interviewing the organization's staff members who created most of the reports and the staff members who had administrative access to the system.

Using this information, netlogx created a SAP HANA Data Warehouse Roadmap, which identified:

- The data that needed to be updated
- The data that needed to be migrated to the data warehouse
- The integrations that needed to be made between systems and the data warehouse



SOLUTION (Continued)

The Data Warehouse Roadmap also included a plan to add a visualization layer using Microsoft Power BI and SAP Analytics Cloud, which would allow the organization's staff members to generate their own reports.

Next, netlogx provided a "Proof of Concept" by bringing in data from a few key systems to show the benefits of our approach. As an example, netlogx pulled in data from the payroll system and used the tools in the data warehouse to create an interactive dashboard to analyze Labor Distribution and Utilization across the organization.

RESULTS

While this project is still in process, the optimization of a data warehouse will enable the organization to generate cross-system analytics without manual manipulation of data. In addition, they will have access to data visualization tools, such as Power BI and SAP Analytics Cloud to create dashboards and other graphic representations of information.

ADVANTAGES

- Using a data warehouse enabled the organization to improve the delivery of health care services to their clients
- Using a data warehouse improved the organization's ability to identify revenue, profit, and expenses
- Using a data warehouse to store information makes it easier to create reports using multiple streams of data and allows for drill-down reporting capabilities
- Incorporating a visualization layer in the data warehouse made it easier for users to create their own reports, without the help of the data and analytics team
- Creating a strategic approach to implementing a data warehouse allowed the organization to organize data storage to best meet their needs
- Eliminating manual data manipulation reduces the likelihood of errors