SAPIENS

Case Study

Government Organization

About the Company

A government organization manages and administers social security programs for the population. It plays a vital role in ensuring economic and social security for residents through a range of support programs, including unemployment benefits, old-age pensions, disability insurance, and maternity benefits.

The Challenge

Transition from an Outdated Proprietary Database (DB1) to Open Standard (DB2):

The project aimed to move data from an outdated database (DB1) to a more modern and advanced SQL database (DB2). The older system was less accessible and lacked the performance and flexibility of modern standards.

Proprietary System Limitations:

Clients often felt "stuck" with proprietary data access format and mechanisms, which limited their ability to innovate or scale. This reliance on proprietary technology caused concerns, as it constrained future development options.

Data Accessibility and Standardization:

The existing data format was not easily accessible using standard tools, creating inefficiencies. A key goal was to restructure the data into an open and accessible format to improve usability and compatibility with modern tools.

Dependence on Specialized Skills:

Applications using proprietary database required developers with niche expertise, adding complexity and cost. This dependence on specific skill sets made long-term sustainability a concern.

Future Rewrite Needs:

While the current proprietary application works very well, it was clear that at some point in the future, it would need to be rewritten to align with modern database standards and tools. The transitional project addressed immediate needs but left room for a longer-term solution.

The Solution

The government organization chose to replace the outdated DB1 database with IBM's modern, open standards, SQL based, DB2, using Sapiens Database Adapter. The government organization was able to perform the transition quickly, efficiently and with minimal changes to the application. IBM Z integrates advanced AI into the hybrid cloud, optimizing performance, security, and decision-making where critical data resides—delivering the agility every business needs.

Why was Sapiens Emerge Database Adapter chosen?

- **Seamless Data Access:**
  Sapiens Emerge Database Adapter enabled the decoupling of data from the legacy application. By modernizing the database access, it allowed the data to remain in DB2 on z/OS while opening it up to external systems using SQL. This provided the flexibility and accessibility the client needed without requiring a complete overhaul of their application.
- **Preservation of Legacy Systems:**
  The solution retained the client's existing application on z/OS, ensuring stability and reliability. This was critical for maintaining their robust infrastructure while avoiding the risks and costs associated with a full migration or replacement.
- **Modernization Without Disruption:**
  Emerge allowed the client to modernize their database access and management capabilities without making changes to the core application. This non-invasive approach aligned with the client's goal of minimizing disruption to their operations.
- **Future-Proofing with Industry Standards:**
  By transitioning to a robust DBMS like DB2 and enabling SQL-based access, Sapiens Emerge ensured compatibility with industry-standard tools and future technologies, giving the client more flexibility in integrating with other systems.

In summary, Sapiens Emerge Database Adapter was chosen for its ability to modernize data management, ensure seamless integration, and provide a cost-effective, non-disruptive solution tailored to the client's needs.

Sapiens Emerge Database Adapter addressed the client's challenges by enabling data modernization and accessibility while preserving the stability of their legacy systems.

Decoupling Data from Legacy Systems:

The solution modernized database access by decoupling the data from the mainframe application and exposing it through SQL. This allowed the organization to interact with their data using industry-standard tools and protocols, significantly improving usability and efficiency.

Improved Data Integration:

By making the data accessible through modern interfaces, Sapiens Emerge facilitated seamless integration with other systems, enhancing the organization's ability to leverage their data for advanced analytics, reporting, and other business needs.

Non-Disruptive Implementation:

The solution was implemented without requiring changes to the legacy application or database. This minimized operational disruptions, ensured business continuity, and reduced risks commonly associated with system upgrades or migrations.

Enhanced Performance and Scalability:

Emerge's use of DB2 as the underlying database management system improved data performance and scalability, ensuring that the organization could handle growing data demands efficiently.

Future-Ready Framework:

By enabling SQL-based access and adhering to modern database practices, the solution positioned the organization to easily adopt future technological advancements and integrate with emerging technologies.

In summary, Sapiens Emerge Database Adapter solved the challenge by modernizing the client's data infrastructure, improving accessibility and integration, and providing a cost-effective, scalable, and non-disruptive pathway to modernization.

The Benefits

1. **Enhanced Accessibility:**

   The solution unlocked access to data stored in legacy systems through SQL, enabling the organization to retrieve and use critical information more efficiently.

2. **Seamless Integration:**

   The SQL access layer provided by Sapiens Emerge allowed for easier integration of data across systems, facilitating better collaboration and reporting within the organization.

3. **Operational Efficiency:**

   By eliminating dependency on an outdated proprietary data access, the organization significantly reduced operational bottlenecks and improved the speed of data processing.

4. **Cost Savings:**

   The implementation avoided the need for a full-scale system migration, saving substantial costs while modernizing data access capabilities.

5. **Scalability and Future Readiness:**

   The solution positioned Bituach Leumi to handle growing data needs efficiently while remaining ready for future technological advancements.

Conclusion

Sapiens Emerge delivered measurable benefits by streamlining the government organization operations, cutting costs, and enabling modern data capabilities, which translated into both immediate and long-term value for the organization.

About Sapiens

Sapiens International Corporation (NASDAQ and TASE: SPNS) is a global leader in intelligent insurance Saas-based software solutions. Sapiens' robust platform, customer-driven partnerships, and rich ecosystem empower insurers to achieve operational excellence in a rapidly changing marketplace. A Microsoft Top 100 Partner and the recipient of many industry analyst awards, Sapiens helps insurers harness the power of AI and advanced automation to support core solutions for property and casualty, workers' compensation, and life insurance, including reinsurance, financial & compliance, data & analytics, digital, and decision management.

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