DATOMETRY

Scaling Business Intelligence in the Cloud

FORTUNE 100 FINANCIAL INSTITUTION

Executive Summary

A Fortune 100 Global Financial Institution needed to scale their business intelligence application built using 2000-plus Teradata® stored procedures. The customer's own six-month analysis showed that replacing their legacy data warehouse footprint was prohibitively expensive, and rewriting the business applications posed significant risk to the business. Datometry was able to successfully replatform all the stored procedures to Pivotal Greenplum Data Warehouse (GPDB), and helped the customer develop a three-month roadmap for a cost-effective expansion of business intelligence.
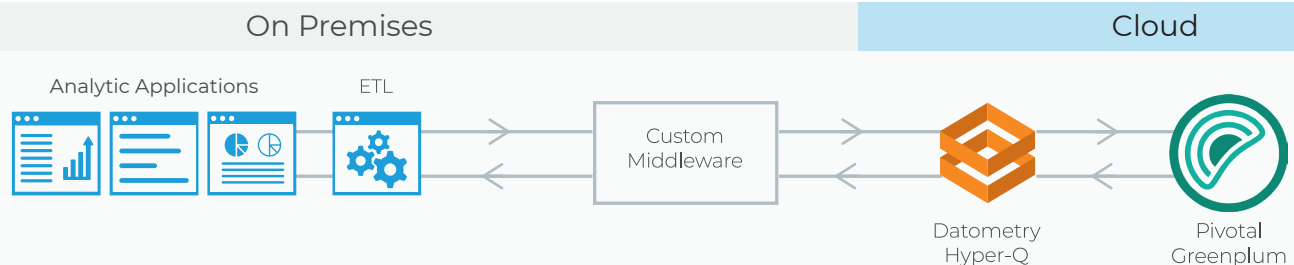
Challenges

The customer was dealing with the following challenges in scaling their existing data warehouse business intelligence stored procedures:

- CAPEX and OPEX for their current data warehouse were far too high.

- After a six-month analysis on the feasibility of migrating the stored procedures to a more cost-effective data warehouse, they found that the high cost of rewriting the applications posed significant risk to the business. The replatforming effort via rewriting the applications was a no-go decision.

Datometry was able to successfully replatform the entire custom business intelligence application to multicloud Pivotal Greenplum Data Warehouse, and helped the customer develop a three-month roadmap for a cost-effective expansion of business intelligence.

Solution

- Datometry® Hyper-Q™ functionality allowed the customer to transfer the stored procedures in weeks, not years, to GPDB.

- Hyper-Q emulation of stored procedures enabled running procedures that GPDB did not support natively.

- Datometry helped create a three-month roadmap for deployment which included a hardening phase.

- Without Hyper-Q, the customer would have had to completely refactor the logic of the application and implement various control-flow primitives, a very time-consuming and expensive undertaking.

| On Premises | | Cloud |

Why the Data Architect Chose Datometry

Enabled Business-Critical Custom Middleware to Connect to Modern Database
Hyper-Q enabled the customer to connect to a modern multicloud database without rewriting critical custom middleware.

Instant Compatibility
Hyper-Q enabled the customer to run their existing applications on the new cloud data warehouse instantly, without rewriting or reconfiguring them.

High Concurrency & Workload Management Capabilities
Hyper-Q supports high concurrency and workload management capabilities in mixed workloads.

Fast Deployment & Simple Implementation
Hyper-Q can be deployed instantly and requires a testing phase of just weeks. The software does not require tuning and provides complete visibility into its operations.

Why the Business Chose Datometry

Reduce Cost of Ownership
The customer was able to leave their expensive, long-standing data warehouse for a more economical multicloud data warehouse, cutting CAPEX and OPEX by up to 80%.

Preserve Business Investment
Hyper-Q removes the requirement of rewriting applications—a long, expensive, and risk-laden process for enterprises—thus allowing the customer to protect their long-standing investments in the development of custom business logic.

Accelerated Time to Value
Using Datometry Hyper-Q, the customer was able to reduce the time required to replatform by 85%.

Decreased Risk
Hyper-Q leaves existing applications unchanged which means projects can be fully tested in advance.

About Datometry

Datometry's mission is to unshackle applications from databases and empower the enterprise to own the business. With Datometry Adaptive Data Virtualization™ technology, enterprises can innovate freely by connecting any existing application to any cloud database, within days. Learn more at https://datometry.com.