Executive Summary
A U.S. Fortune 500 Healthcare Provider realized an urgent necessity for a Disaster Recovery system for its enterprise data warehouses. They wanted the destination to be in the cloud and needed to significantly reduce CAPEX and OPEX. The requirement that the existing applications on their Teradata® Data Warehouse communicate seamlessly with both the on-premise data warehouse and the Amazon Redshift™ disaster recovery data warehouse they had selected was an insurmountable obstacle for the business.

Challenges
The Healthcare Provider was facing the following challenges:

- An urgent necessity for a disaster recovery data warehouse system, which needed to be cloud-native to take advantage of the latest technology and significantly reduce CAPEX and OPEX.
- The customer’s existing applications needed to communicate seamlessly with the Amazon Redshift data warehouse, and facilitating this communication was believed to be an insurmountable roadblock.

Solution
- Datometry ran a quick automated analysis of the customer’s application workloads using Datometry qInsight™ and found that its flagship product Datometry® Hyper-Q™ provided full coverage of the customer’s BI and ETL workloads, removing the need for rewriting the applications.
- Datometry generated the schema for the new disaster recovery data warehouse automatically, using its Datometry qShift™ schema synthesizer product.
- Hyper-Q enabled applications to communicate natively with the existing data warehouse and Amazon Redshift during a failover situation.

Using Datometry Hyper-Q, the customer was able to set up a disaster recovery system in the cloud without having to rewrite any of their existing analytic and ETL applications.
CASE STUDY

Why the Data Architect Chose Datometry

Enabling Disaster Recovery Architecture
Hyper-Q enabled the customer to instantly run its existing analytic applications and ETL on a new Disaster Recovery cloud data warehouse.

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

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

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 set up an economical disaster recovery in the cloud with CAPEX and OPEX savings of up to 80%.

Accelerated Time to Value
Using Datometry Hyper-Q, the customer was able to reduce the time required to set up a cloud disaster recovery data warehouse by 85%.

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.

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.