With data the new battleground, businesses that can take fullest advantage of their data will be more successful. Gaining this advantage is difficult today because business requirements evolve quickly, and data is more widely distributed across on-premises and big data sources, the Internet of Things (IoT), and the Cloud.

Snowflake’s cloud data warehouse combined with TIBCO Data Virtualization software can ease these challenges. The pair connects data in the cloud and on premises, enhances data governance, and provides data access to/from multiple systems so you can derive greater insight from data analytics using all your relevant data.

Challenges

Traditional data integration via legacy data warehousing and ETL is often too time-consuming, rigid, and costly to scale to support dynamic business needs. While optimizing for cost and data analytics, leaders need to adapt their approaches with more flexible data architectures to support multiple use cases and integrate growing volumes of data faster. The performance and cost benefits provided by the Snowflake cloud data warehouse accelerate business decision-making. However, transitioning from a legacy system is time consuming.

- Cloud data migration
- Data integration
- Poor data governance and security
- Lack of actionable insights
Solution

TIBCO Data Virtualization software provides unified access to disparate data sources and delivers governance for better control and information security. It lets users create virtual views of curated datasets and make service requests in a fraction of the time of other solutions. With the Snowflake modern and elastic data warehouse, you eliminate low-level data warehouse infrastructure tasks and reduce overall cost and complexity. The resulting time-to-solution is 5-10x faster than legacy data warehouses and ETL solutions without data virtualization.

Benefits

Minimized Migration Downtime. Controlled migration from legacy to Snowflake minimizes downtime and avoids business interruptions.

Easy Access and Capture of Relevant Data. Seamless, flawless pairing captures all relevant information and makes it easy for users to access correct data and physically store it.

Enhanced Data Governance and Security. Fine-grained security and masking provide greater data governance and control.

Actionable Insight. Bridging multiple, diverse data sources fuels data science, analytics, and decision-making.

TIBCO Data Virtualization Capabilities

Self-service Web UI. Use the data catalog to search and find available data and create and publish your own data views

Data Views. Advanced studio creates business friendly data views from multiple data sources with syntactic and semantic transformations plus enrichment.

High Performance Runtime. Query acceleration via cost and rule optimizers; massively parallel processing engine.

Security. Policy-driven, fine-grained, multi-level security down to cells, rows, and columns; Flexible authentication, authorization, encryption, and data-masking.

Data Sources & Discovery. Access to 300+ data sources including applications, databases, big data, files, web services, and cloud.

Caching. Flexible caching configurations and support for 15+ cache targets out-of-the box, including Snowflake.