Teradata to Google Cloud: Seamless Migration with Brillio

Brillio's application reengineering, code refactoring methods and tools foster complete automation to safely and economically migrate from Teradata to GCP.

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As businesses evolve, data demands intensify, often revealing the limitations of legacy data warehouse systems. High operational costs, performance lags, and architectural inflexibility prevent growth and modern data management.

Brillio's comprehensive solution overcomes these challenges by enabling full automation to seamlessly transition data applications to Google Cloud Platform (GCP). Our centre of excellence, migration frameworks, and models democratize data for clients, driving successful implementations at an optimized TCO. Google Big query offers a unified experience by categorizing, cleansing, and making enterprise data accessible for analytics tools, applications, and end users. Brillio excels in helping enterprises adopt a robust data strategy to migrate to Google Big query.

With a strategy that minimizes downtime and maximizes security and compliance, we help you move from outdated infrastructure to a scalable, high-performing environment on GCP. Our end-to-end migration approach ensures that you retain full control over your data while benefiting from the modern features GCP provides, including support for varied data types and access patterns, enhanced performance, and significantly lower operational costs.

Our Comprehensive Capabilities

Advisory Services: Expert guidance to streamline your Teradata to Google Cloud migration, transforming raw enterprise data to maximize data utilization.

Data Lake and Warehouse: Design and deploy scalable data lakes and warehouses to support high-volume data storage and analysis.

Data Modernization: Upgrade legacy data systems to cloud-native solutions, optimizing performance and enabling advanced analytics.

Data Science Workload: Enable data-driven insights by developing and operationalizing advanced data science workloads on the cloud fortified with state-of-the-art governance.

Our Accelerators and Frameworks

Legacy Migration Framework: A configuration and parameter-driven solution that automates and accelerates code conversion from Hadoop ecosystems or Oracle databases to Snowpark and Google BigQuery, enabling faster ROI.

Data Quality Framework: An automation framework built on Google BigQuery that conducts comprehensive data validations across data warehouse layers, ensuring consistent data quality metrics.

250+ Google Big query engineers and architects

15+ clients

30+ Google Big query engineers

4+ years of partnership with Google Big query

Google Cloud
Partner

Data Migration Suite: An automated framework designed to enhance data migration processes through data engineering pipelines, supporting full and incremental data loads, audits, and seamless migration.

Data Governance Suite: A data quality assurance framework that enables validation rule configuration and monitors data quality KPIs via a dashboard, utilizing PySpark, SQL, Databricks, Power Apps, Synapse, and Dataverse.

SQL Query Generator Using Natural Language: A tool leveraging LLM models (such as OpenAI and Gemini Pro) on Google BigQuery, enabling business users to quickly generate SQL queries from natural language inputs using Streamlit for faster metric derivation.
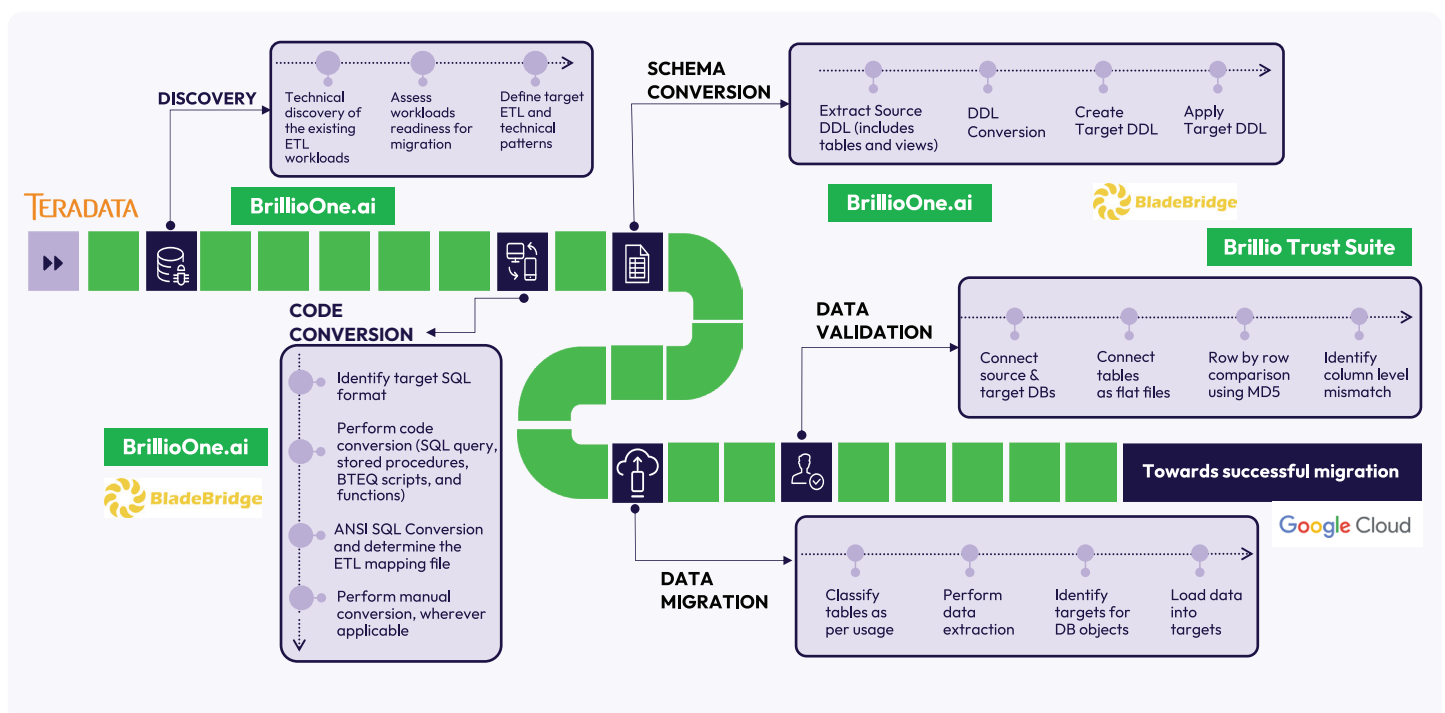
Path to Modernization: Teradata to GCP

Brillio specializes in data modernization, offering a unified approach that includes migration roadmaps and a Data Discovery Framework for enhanced onboarding across databases. Our solutions ensure data accuracy and compliance through robust governance strategies while leveraging Intelligent Automation to streamline engineering efficiency and drive overall project success.

Experience a New Era of Data Efficiency with Brillio

- 30x cost reduction with on-demand GBQ pricing
- 10x savings in query time with 0% error rate
- Faster, more engaging, and error-free analytics
- Serverless architecture with use and pay by query
- Enhanced security with default encryption at rest and better data isolation

Brillio GCP Migration Approach

Modern Data Platform for a Global Restaurant Chain

Brillio implemented a modern data platform on Google Big query to drive real-time insights across the client's value chain.

24% improved cost savings in supply chain operations

150+ countries enabled with a sales strategy

Data Modernization from Teradata to GBQ for a Health Insurance Provider

Brillio migrated Hadoop and Teradata to Google Big query enabling data modernization.

90% effort savings in code rewriting

90% automation in code assessment and conversion

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ABOUT BRILLIO

At Brillio, our customers are at the heart of everything we do. We were founded on the philosophy that to be great at something, you need to be unreasonably focused. That's why we are relentless about delivering the technology-enabled solutions our customers need to thrive in today's digital economy. Simply put, we help our customers accelerate what matters to their business by leveraging our expertise in agile engineering to bring human-centric products to market at warp speed. Born in the digital age, we embrace the four superpowers of technology, enabling our customers to not only improve their current performance but to rethink their business in entirely new ways. Headquartered in Silicon Valley, Brillio has exceptional employees worldwide and is trusted by hundreds of Fortune 2000 organizations across the globe.

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