



Automated workload transformation from Teradata to Google Cloud Platform

VIDEO TRANSCRIPT

LeapLogic eliminates the slow, error-prone, expensive practices of manual workload migration and automates end-to-end enterprise data warehouse transformation. We bring all the pieces of the puzzle together so that your journey to a cloud-native stack is fast, affordable, and risk-free.

Here's a demo of how Leaplogic simplifies the migration of Teradata legacy workloads to Google BigQuery.

It first assesses the existing Teradata files, queries, and entities, and provides data-driven insights. LeapLogic identifies technical debt, and provides optimization recommendations for schema, code and orchestration on the target platform.

It profiles and analyzes the source workloads and recommends candidates for transformation.

Here are key resource utilization metrics for applications.

Here are key resource utilization metrics for users.

These are recommendations for schema optimization to improve CPU usage, memory usage, cache hit ratio, and disk I/O.

LeapLogic also discovers anti-patterns in the legacy code and rectifies these according to BigQuery's methodologies and standards. It also identifies workloads that need complete refactoring.

Here are some opportunities for orchestration optimization.

These are the interdependencies between various kinds of workloads, along with end-to-end data and process lineage.

LeapLogic provides recommendations for offloadable workloads as well future-state functional architecture.

Detailed reports can be downloaded for offline use.

Next, the Teradata to Google BigQuery transformation pipeline automatically transforms the workloads end-to-end.

These are the different stages of the transformation lifecycle.

The Transformation stage transforms the legacy Teradata code and business logic to GCP-equivalent code.

LeapLogic also validates the syntax of the transformed queries on a live cluster.

Let's see the migration report.

All schemas and data along with the records have been migrated successfully.

The migrated data has been successfully validated and certified.

All SQL queries and business logic have been transformed successfully and packaged back as production-ready jobs along with the orchestration and execution logic.

LeapLogic provides a target-compatible package which can be orchestrated and executed on Google BigQuery as-is.

The transformed scripts have been executed on the target successfully.

Leaplogic's holistic approach further includes validation and operationalization of migrated workloads on Google Cloud Platform.

For over a decade, we've helped Fortune 100 companies take data-driven decisions with absolute confidence and drive powerful business outcomes they'd never even imagined.

We can guide you through this process, starting with an assessment and proof of concept to build the foundation for a successful project. Our support model is flexible based on your needs, ranging from providing transformed and validated code up through end-to-end transformation services. We're here to accelerate your modernization journey.