leaplogic

Automated workload transformation from Teradata to Amazon Redshift

LeapLogic eliminates the slow, error-prone expensive practices of manual 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 Amazon Redshift.

It first assesses the existing Teradata workloads and provides data-driven insights.

LeapLogic lists the entire inventory and prioritizes use cases with high business value.

It identifies technical debt and provides optimization recommendations for Amazon Redshift at the schema, code and orchestration level.

LeapLogic also provides recommendations for transformation candidates.

Here are key resource utilization metrics for applications.

Here are key resource utilization metrics for users.

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

LeapLogic identifies anti-patterns in the legacy code and rectifies them based on Amazon Redshift coding methodologies and standards. It also identifies workloads that need complete refactoring.

Here are some opportunities for orchestration optimization.

This shows all interdependencies between various kinds of workloads, along with end-to-end data and process lineage.

Here are recommendations for offloadable workloads as well as an optimum future-state functional architecture.

Detailed reports can be downloaded for offline use.

LeapLogic's Teradata to Redshift pipeline transforms all the data warehouse workloads end-to-end to Amazon Redshift.

These are the different stages of the transformation lifecycle.

The Migration stage converts the schema to a target-equivalent and migrates the data into Redshift cloud data warehouse tables.

The Data Validation stage validates the migrated data and certifies it.

The Transformation stage transforms the Teradata code and business logic to Redshift equivalent code.

LeapLogic auto-transforms and maps all the keywords, functions and constructs to Redshift compatible code. It also provides a notebook-based inline query editor for further optimization.

All SQL queries and business logic are 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 as-is on Amazon Redshift. The transformed queries have been unit tested on Amazon Redshift successfully.

The transformed scripts have been executed on Amazon Redshift successfully. LeapLogic's holistic approach further includes operationalization of migrated workloads on Amazon Redshift.

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.

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