

Automated workload transformation from Netezza to Azure Synapse

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 Netezza legacy workloads to Azure Synapse.

It first assesses the existing Netezza files, queries, and entities, and provides data-driven insights. It also provides optimization recommendations for schema, code and orchestration on the target platform.

Here's an analysis of unique, analyzed and non-analyzed queries with a detailed break up by statement type.

Here is a graphical view.

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

It identifies anti-patterns existing in the legacy code and rectifies them according to Azure's coding methodologies and standards.

In this particular transformation, none of the migration candidates require complete refactoring.

Here are some opportunities to optimize orchestration.

These are the number of splits that can run in parallel.

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

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

Detailed reports can be downloaded for offline use.

Next, the Netezza to Azure Synapse transformation pipeline automatically transforms the workloads.

These are the different stages of the transformation lifecycle.

The Transformation stage transforms the Netezza code and business logic to Azure Synapse equivalent code.

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

Let's select the entities for schema and data migration. 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.

Here's a glimpse of a transformed SQL query.

Leaplogic provides a target compatible package which can be orchestrated and executed 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 Azure Synapse.

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.