



Automated workload transformation from Oracle to Databricks

VIDEO TRANSCRIPT

The freedom of the cloud is on the horizon. But the path to modernization is challenging. We change that.

LeapLogic is the only product to automate migration and modernization of any legacy ETL, data warehouse, and analytics system.

LeapLogic automates up to 95% of migration to a Databricks-native stack.

Here's a demo of how LeapLogic simplifies the migration of Oracle legacy workloads to Databricks Lakehouse.

It first assesses the existing Oracle files, procedures, queries, and entities and provides data-driven insights.

LeapLogic provides a detailed analysis of all parsed and unparsed files along with the file types.

It also provides insights on all available entities, including the tables and views used in the queries.

Here's a list of artifacts that have appeared in the scripts during analysis but were missing from the inputs received for the assessment.

A graphical data and process lineage showcases complex interdependencies between different workloads.

Reports with comprehensive insights can be downloaded for offline use.

Next, let's look at the Oracle to Databricks Lakehouse transformation pipeline.

LeapLogic's intelligent transformation engine converts the Oracle procedural code to Databricks Lakehouse native-equivalent code.

For original queries containing Oracle functions, LeapLogic creates the equivalent user-defined functions in the transformed queries.

For functions like Delete, which are supported by Databricks, LeapLogic creates a similar translation in the transformed query.

Next, all SQL queries and business logic are transformed successfully and packaged back as production-ready jobs along with the orchestration and execution logic.

Let's take a look at the packaged code. To enable easy data retrieval, LeapLogic optimizes Delete, Update, and Merge operations using dim packaging.

For simple Update statements, it creates a simple update query in the target and generates a simple update statement.

For complex or multi-table update statements, LeapLogic uses Merge statements in the transformed query.

Similarly, for simple Delete statements, the transformed query uses simple Delete statements, and for complex Delete statements, it uses Merge statements.

This concludes the Transformation step.

LeapLogic also automates rigorous validation tests and handles orchestration, so you'll reach your destination sooner and avoid business disruption.

And when you do, LeapLogic assists with cloud optimization and capacity planning, ensuring performance of the workloads on Databricks Lakehouse. Choose LeapLogic to take you to Databricks faster, at lower cost and with lower risk.

It's more than the next step. It's a leap into the future of your business.