leaplogic

Automated workload transformation from Oracle to Amazon Aurora

VIDEO TRANSCRIPT

The freedom of the cloud is on the horizon, but the path to modernization is challenging.

We change that!

LeapLogic can accelerate the migration and modernization of legacy data warehouse, ETL, Hadoop, and analytics systems to an AWS-native stack with up to 95% automation.

Here's a demo of how LeapLogic simplifies the migration of Oracle workloads to Amazon Aurora – starting with a comprehensive assessment, followed by automated transformation, validation, and all the way up to operationalization.

First, go to your dashboard to assess your existing Oracle workloads. LeapLogic can assess the existing inventory and give a high-level overview of Oracle workloads, including transformation recommendations, queries, statement types, complexity, and more.

Go to the Analysis page to view details regarding all applications, including the schemas used, the total number of queries, execution time, etc. The Users page provides information on users, including execution time, CPU utilization, IO utilization, and total number of queries. Visit the Entities page to view details for all available entities – including tables and views. The Artifacts page lists all missing, additional, and unparsed artifacts. Similarly, you can go to the Queries page to view details for all queries, segregated by unique text, unique patterns, analyzed and unanalyzed queries.

The Orchestration section lists details on data splits and recommends the maximum number of queries that can be executed in parallel for orchestration optimization. The Lineage section shows all interdependencies between various kinds of workloads along with end-to-end data and process lineage.

LeapLogic also provides information about queries, entities, applications, etc. recommended for migration. Under the Recommendations section, go to the Application page to view various applications recommended for migration based on a detailed analysis. From here, you can also view all queries recommended for migrating your Oracle workloads.

If you want, you can also download a detailed report from here for offline access. The detailed report provides information regarding users, queries, applications, and so on.

LeapLogic provides actionable prescriptive insights in the form of several other downloadable reports.

Next, Let's look at the Oracle to Amazon Aurora transformation pipeline.

LeapLogic's transformation pipeline converts all end-to-end Oracle workloads to Amazon Aurora equivalent.

Here's how you can configure your pipeline.

Once the pipeline is configured, you can view the overall output of the Oracle loads to the Amazon Aurora equivalent code.

Amazon Aurora Postgre SQL does not support MERGE or QUALIFY statements out-of-the-box. Also, there are several other unsupported patterns in Amazon Aurora PostgreSQL which LeapLogic takes care of in its distinctive, performant way. For example, Teradata's STRTOK_SPLIT_TO_TABLE function and more. LeapLogic follows a unique way of dealing with unsupported or non-performant patterns on the target side. Its intelligent grammar-based transformation engine incorporates target-native best practices and converts the code such that it is compliant, less maintainable, and optimized.

LeapLogic provides Amazon Aurora-compatible packaged code ready to be orchestrated and executed as production-ready jobs in AWS. You can simply view the Amazon Aurora equivalent output. Download the converted package from here, which contains the Amazon Aurora equivalent code.

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 the performance of transformed workloads in your AWS-native stack.

Choose LeapLogic to migrate workloads from Oracle to Amazon Aurora – 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.