Intelligent and automated ETL modernization to AWS Glue

Fast. Simple.

Modernizing legacy ETL tools like Informatica, DataStage, or Ab Initio to scalable, cloud-native services such as AWS Glue has become a strategic imperative for enterprises to the reduce cost of ownership, improve collaboration, and enhance flexibility.

However, migrating legacy ETL workloads to AWS Glue manually can be complex, tedious, and risky. The following key considerations can help avoid business/end-user disruption and ensure a seamless transition:

- Identify entire inventory, code complexities, interdependencies, etc.

- Identify and eliminate technical debt

- Optimize price-performance ratio through capacity planning

- Choose the right AWS services in line with business needs

- Leverage AWS-native services for data migration, metadata, monitoring, etc.

- Enable Infrastructure as Code

- Plan a smooth cut-over

Key benefits

Compared to traditional approaches, LeapLogic enables:

4x faster transformation

1.5x faster validation

2x lower cost

2x less manual effort

100% risk compliance

100% SLA adherence

Witness the magic of automated transformation

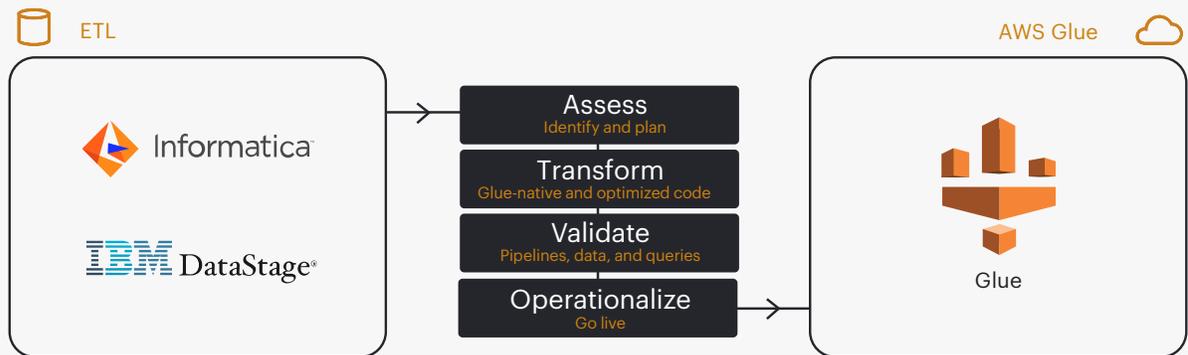▶ **Informatica to AWS Glue**

▶ **DataStage to AWS Glue**

How it works

LeapLogic enables fast, risk-free, end-to-end modernization of legacy ETL workloads to AWS Glue with up to 95% automation. Its intelligent grammar engine identifies optimization opportunities at the schema, code, and execution level and automatically converts ETL scripts and logic to AWS Glue using a 4-step approach.
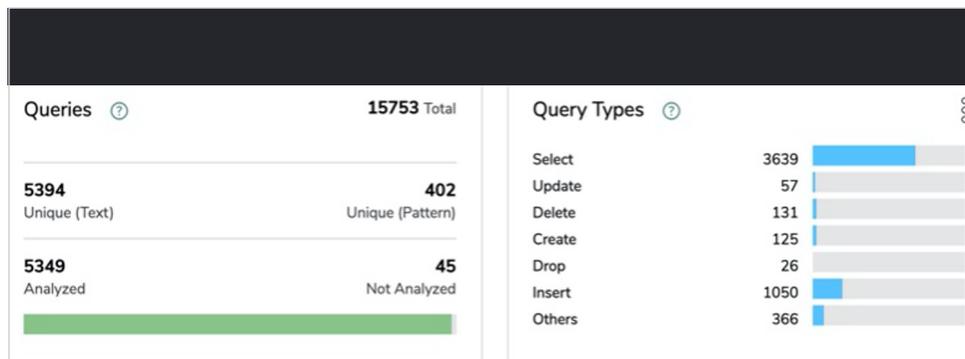
Intelligent Transformation

Convert or rearchitect legacy code, workflow, and analytics

Step 1: Assessment and prescription

- Comprehensive inventory listing

  - For DataStage, identification of all jobs and components, job activities, notification activities, transformer stages, joins, execution command activities, exception handler, etc.

  - For Informatica, identification of all workflows and mappings, handling of complex expressions, running aggregates, link conditions, dynamic lookups, assignment variables, command tasks, parameterized queries, etc.

- Workload prioritization

- Business logic and dependency analysis

  - Code profiling and end-to-end data and process lineage

  - Identifying workflow, file, mapping-level (Informatica) and job-level (DataStage) complexities with aggregates
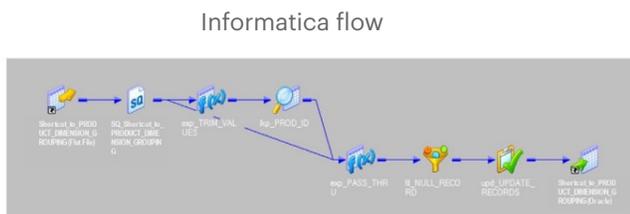
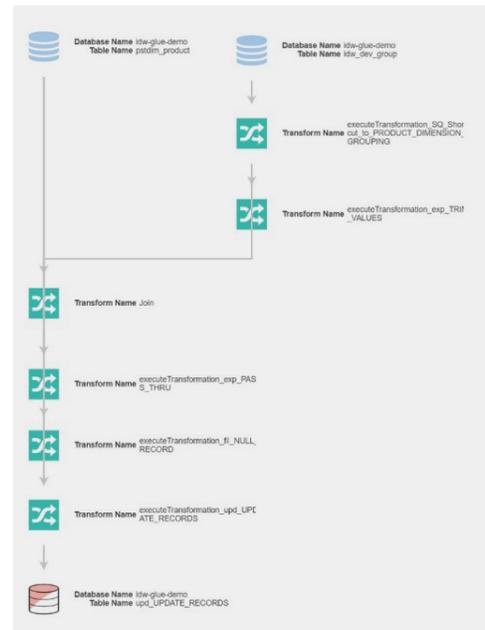- Capacity planning

Automated workload assessment

Step 2: Transformation

- Intelligent and automated component-to-component transformation for ETL scripts

- Intelligent component-to-query transformation for cases where a direct compatibility can't be established between source and AWS

- Optimization and preservation of core business logic

- AWS Glue-native conversion, packaging, and orchestration to production-ready jobs

- Code conversion from a variety of legacy proprietary formats to AWS Glue-native format

- Notebook-based inline editor for query optimization

- Extensible, repeatable, and verifiable methodology

Converted Glue pipeline

Step 3: Validation

- Pipeline-based validation of the transformed code
  - Validates code at the row and cell-level and reports errors
  - Instantly verifies the transformed code with a pluggable validation tool

Step 4: Execution

- Delivers a verified, executable package
  - AWS Glue-native orchestration

- Supports operationalization
  - End-to-end transitioning into production
  - Controlled price-performance ratio
  - Cloud-native implicit data governance and compliance
- Continuous integration and delivery (CI/CD) support
- Powerful operational monitoring
- Documentation, training, and handholding

Your advantage – Our transformation experience with AWS

Data platform modernization on AWS significantly reduces passenger wait time for United Airlines
Saved 22% time and 70% effort with LeapLogic compared to manual coding

READ MORE ↗

Automated migration from Netezza to AWS for a Fortune 500 mortgage lender
Lowered operational cost and improved data visibility across the enterprise

READ MORE ↗

Transform Ab Initio ETL workloads to the cloud
Explore how you can migrate Ab Initio ETL scripts securely and seamlessly to AWS

READ MORE ↗

The fastest way to convert ETL, analytics, and data warehouse to AWS
Learn how to convert legacy sources to an AWS-native stack 4x faster than hand-coding

WATCH NOW ↗

To automate ETL transformation to AWS Glue, write to us at
info@leaplogic.io

BOOK A DEMO ↗

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