

Intelligent and automated Alteryx ETL modernization to AWS Glue



Also available on **aws** marketplace

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

However, migrating legacy Alteryx 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

- Up to 95% automation
- 50-75% reduced time-to-market
- 90% reduction in risk
- 2x cheaper
- 1.5x faster validation
- **100%** preservation of investment in business logic

Witness the magic of Automated Workload Transformation from Alteryx to AWS Glue

How it works

LeapLogic enables fast, risk-free, end-to-end modernization of legacy Alteryx workloads to AWS Glue with up to 95% automation. Its intelligent assessment engine identifies the complete chain of interdependencies existing between the workloads to enable a phased migration plan.



STEP 1: Assessment

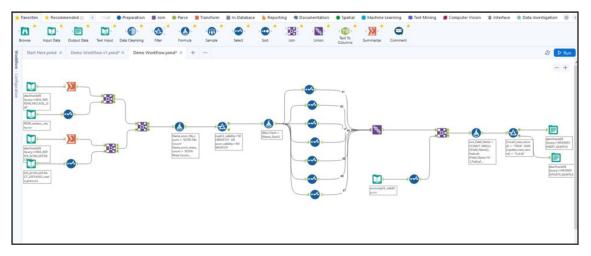
- Integrated assessment for several workload types
- Comprehensive inventory listing including nodes, expressions, macros, queries, entities, etc.
- Workload prioritization as per the business use case
- Extensive interdependency analysis between various workloads
- Phased migration plan with timelines and cost estimates

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E Sum	nary				
6 Total		102 lodes	5 Macros	6 Parsed Documents	
	Summary of Alteryx documents, nodes etc. along with the extent to which the Alteryx workflows were automatically analyzed. Complexity (Across Documents) Queries				
Simpl	Trivial (1) 0 Simple (2) 2 Medium (3) 0 Complex (4) 0 Very 4 Complex (5)	1 Total Queries Complexity	1 100% Parsed Queries	0 0% UnParsed Queries	
Very Comp		Low (0-4)	1 Medium (4- 10)	0 High (10+) 0	
	mary of total Alteryx documents with a cation based on complexity.	Queries occurring in th	e input Alteryx scripts segregated by complexit	ty.	

Automated assessment of Alteryx workloads

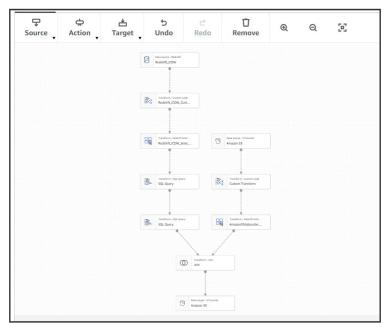
STEP 2: Transformation

- Intelligent grammar engine supporting a variety of workloads and formats with component-to-component transformation for Alteryx ETL scripts
- Intelligent component-to-query transformation for cases where a direct compatibility can't be established between source and AWS
- AWS-native conversion, packaging, and orchestration as production-ready jobs
- Delivers a verified, executable package with performance SLAs met
- Preservation as well as optimization of core business logic
- Extensible, repeatable, and verifiable methodology



Alteryx ETL graph (source)





Transformed AWS Glue ETL graph

STEP 3: Validation

- Pipeline-based automated validation on diverse datasets
- Auto-generation of reconciliation scripts
- Automated SQL/query and business level validation
- Cell-to-cell validation reports
- Data type and entity-level matching

STEP 4: Operationalization

- AWS-native orchestration
- Infrastructure as code
- Automated DevOps including CI/CD, etc.
- Target platform stabilization with parallel runs
- Controlled price-performance ratio
- Smooth cut-over
- Documentation, training, and handholding

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

LeapLogic, an Impetus product, automates the transformation of legacy data warehouse, ETL, analytics, and Hadoop to native cloud platforms. LeapLogic has helped several Fortune 500 customers accelerate time-to-market, reduce the risks associated with manual migration, and bring in more accuracy with zero business disruption. Impetus Technologies solves the data, AI, and cloud puzzle, by combining unmatched expertise in cloud and data engineering. Impetus offers data platform engineering, AI/ML, DevOps, application modernization, and more. For over a decade, Impetus has been the 'Partner of Choice' for several Fortune 500 enterprises in transforming their digital nuclei and driving unmatched innovation and growth.

To learn more, visit www.leaplogic.io or www.impetus.com

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