leaplogic
an **IMPETUS** product

Intelligent and automated data warehouse modernization to Amazon Redshift

aws PARTNER Migration Services Competency

aws PARTNER Amazon Redshift Delivery

aws PARTNER Amazon EMR Delivery

Also available on
aws marketplace

Modernizing legacy data warehouses to a cloud-based modern data architecture like Amazon Redshift has become a strategic imperative for enterprises struggling with petabytes of unstructured data from multiple sources. However, migrating legacy workloads to AWS manually can be complex, tedious, and risky. Enterprises need to identify technical debt, optimize price-performance ratio, and choose the right set of AWS services in line with business needs.

LeapLogic simplifies the end-to-end transformation process and automatically converts legacy data warehouse workloads to Amazon Redshift. Its intelligent assessment engine assesses your entire inventory and identifies code complexities and dependencies t o create a phased migration plan. Additionally, LeapLogic identifies optimization opportunities at the schema, code, and orchestration level.

Key Benefits

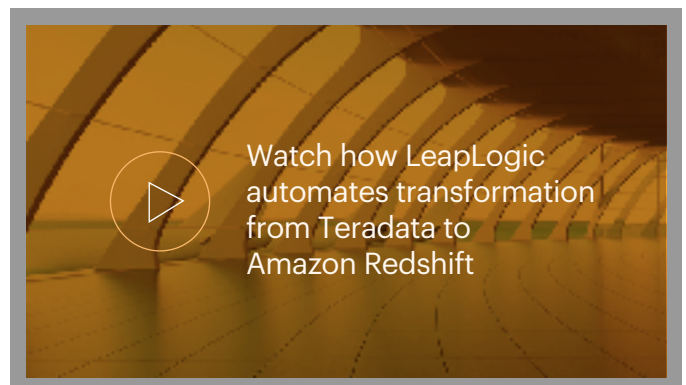Compared to traditional approaches, LeapLogic enables:

4x faster transformation

1.5x faster validation

2x lower cost

2x less manual effort

100% risk compliance

100% SLA adherence

Watch how LeapLogic automates transformation from Teradata to Amazon Redshift
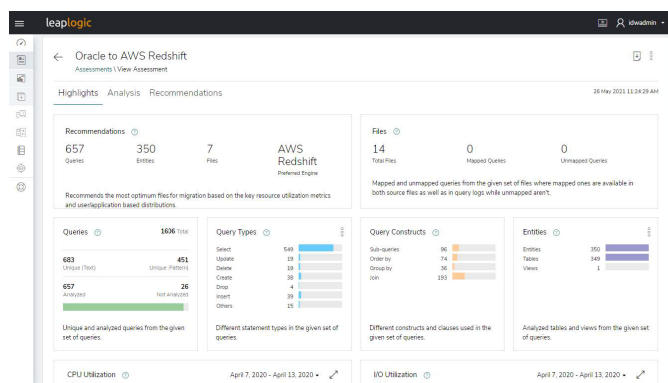
How it works

LeapLogic enables end-to-end transformation, operationalization, and transitioning of workloads with up to 95% automation in the first iteration in four steps:

Step 1: Assessment

- Integrated assessment for several workload types
- Comprehensive inventory listing
- Workload prioritization as per the business use case
- Dependency analysis
- Advanced blueprint of Redshift architecture
- Optimization opportunities for schema, code, and orchestration
- Amazon Redshift-specific prescriptive recommendations
- Phased migration plan with timelines and cost estimates

Screenshot of Oracle to Redshift assessment

Step 2: Transformation

- Intelligent grammar engine supporting a variety of workloads and formats
- End-to-end transformation, packaging, and orchestration to Amazon Redshift
- Notebook-based inline editor for query optimization
- Delivers a verified, executable package with performance SLAs met
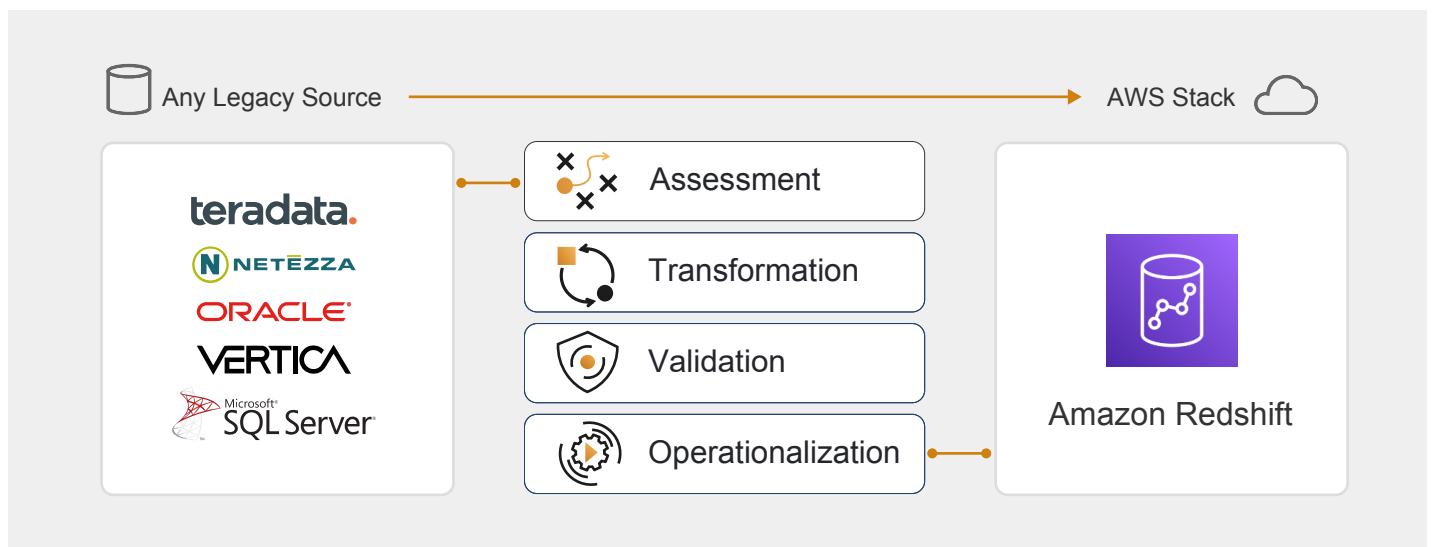- Extensible, repeatable, and verifiable methodology

What's possible

- Plan a phased migration instead of a 'big bang'
- Proactively mitigate risk with zero business disruption
- Handle proprietary elements like BTEQs efficiently
- Ensure optimization to meet production SLAs
- Consider all workloads in totality to group workloads into logical migration units
- Plan for a smooth cutover to retire your legacy data warehouse
- Data governance and security compliance as per AWS standards

Step 3: Validation

- Pipeline-based automated validation
- Sample or customer data-based code validation
- 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

- Productionization and go-live
- Infrastructure as code
- Execution using cloud-native orchestrators
- Automated DevOps, including CI/CD, etc.
- Stabilization on Amazon Redshift
- Smooth cut-over

LeapLogic is built to efficiently assess, migrate, validate, and move complex workloads from legacy data warehouse systems to Amazon Redshift. Based on a sophisticated grammar engine capable of translating the most complex functions, this automated conversion product helps you kick-start your digital transformation journey while opening a world of advanced proactive analytics for your business.

Success stories

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

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Automated migration from Netezza to AWS for a Fortune 500 mortgage lender

Lowered operational cost and improved data visibility across the enterprise

READ MORE ↗

Map your migration: Modernize legacy data architecture on AWS

To help you start your modernization journey to AWS, we've mapped out how the important components of legacy data warehouse.

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Automated assessment and transformation of Informatica workflows and Oracle EDW to AWS

Leveraged Redshift to auto-convert ~80% Informatica and Oracle data warehouse workloads to an enterprise-ready AWS cloud-native system

READ MORE ↗

To automate data warehouse transformation to Amazon Redshift, write to us at info@leaplogic.io

BOOK A DEMO ↗