

# Intelligent and automated data warehouse modernization to Amazon Aurora



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Enterprises that handle massive legacy general-purpose transactional workloads like OLTP are looking to modernize to Amazon Aurora, designed for high performance with faster read and write speeds than traditional relational databases. However, manually migrating legacy workloads to AWS can be complex, tedious, and risky. Enterprises need to identify technical debt, optimize the 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 Aurora. Its intelligent assessment engine assesses your entire inventory and identifies code complexities and dependencies to create a phased migration plan. Additionally, LeapLogic identifies optimization opportunities at the schema, code, and orchestration level.

LeapLogic's intelligent pattern-based transformation engine takes care of different code patterns, constructs, dialects, and functions automatically and transforms them to Amazon Aurora-native equivalent for compatibility and performance.

## Key Benefits

Compared to traditional approaches, LeapLogic enables:

**4x** faster transformation

**1.5x** faster validation

**2x** cheaper than manual migration

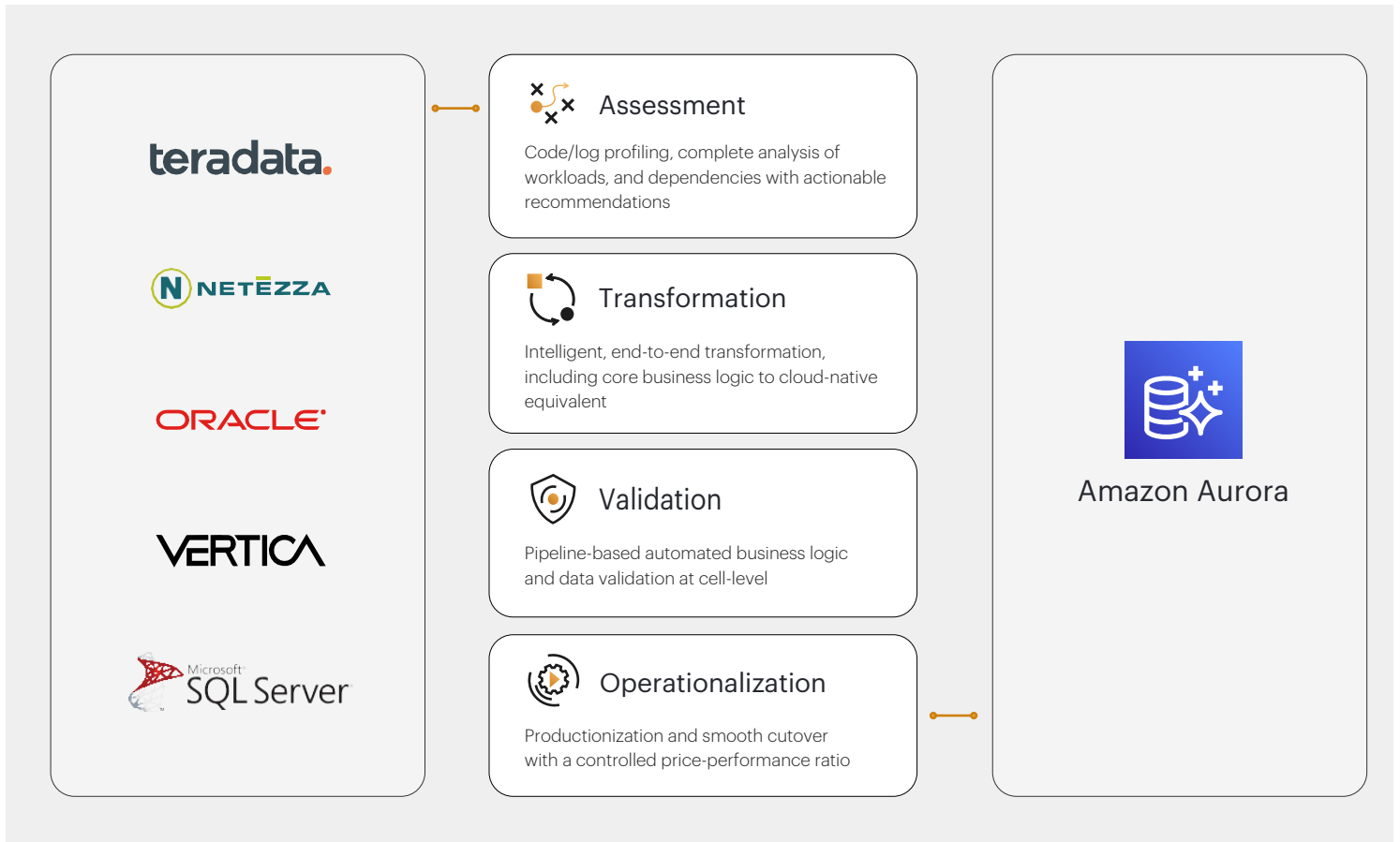
**2x** less manual effort

**100%** risk compliant

**100%** SLA adherence

# 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
- Extensive interdependency analysis
- Advanced blueprint of Amazon Aurora architecture
- Optimization opportunities for schema, code, and orchestration
- Amazon Aurora-specific prescriptive recommendations
- Phased migration plan with timelines and cost estimates

## STEP 2: Transformation

- Intelligent transformation engine supporting a variety of workloads and formats
- End-to-end transformation, packaging, and orchestration on Amazon Aurora
- Notebook-based inline editor for query optimization
- Delivers a verified, executable package with performance SLAs met
- Deployment of the executable package on AWS
- Preservation and optimization of core business logic
- Extensible, repeatable, and verifiable methodology



### STEP 3: Validation

- Pipeline-based automated validation on diverse datasets
- Auto-generation of reconciliation scripts
- Automated SQL/query and data-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 Aurora
- Smooth cut-over
- Documentation, training, and handholding

LeapLogic is built to efficiently assess, migrate, validate, and move complex workloads from legacy data warehouse systems to Amazon Aurora. 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.

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To automate data warehouse transformation to Amazon Aurora,  
write to us at [info@leaplogic.io](mailto:info@leaplogic.io)

BOOK A DEMO ↗

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](http://www.leaplogic.io) or [info@leaplogic.io](mailto:info@leaplogic.io)

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