

Teradata to Modern Data Platform Transformation

AI-Powered Teradata Data Platform Modernization

Modern enterprises are rethinking legacy data warehouse architectures.

Teradata platforms that once powered enterprise analytics now struggle to support AI workloads, real-time data pipelines, and cloud-native scalability.

Persistent helps organizations migrate and modernize Teradata environments into AI-ready, cloud-native data platforms using AI-powered migration accelerators.

The Challenge with Teradata Environments

Over time, Teradata ecosystems become deeply complex and tightly coupled.

Typical environments include:

- / Thousands of SQL scripts and stored procedures
- / BTEQ workflows and ETL pipelines
- / Legacy schedulers such as Control-M
- / ETL tools like Informatica, SAS, and DataStage
- / BI platforms such as Tableau and MicroStrategy
- / Custom utilities and undocumented dependencies

This complexity increases modernization risk and slows transformation.

How Persistent Accelerates Teradata Modernization

Persistent leverages AI-powered migration accelerators, including iAURA 2.0, to embed intelligence across the entire migration lifecycle.



Automated Estate Discovery

AI-driven scanning of Teradata schemas, SQL scripts, ETL pipelines, and dependencies.



Automated Data Validation

Built-in reconciliation engines validate source and target datasets.



Modernization Blueprint

Target architecture design and phased migration roadmap.



Migration Factory Execution

Wave-based migration model enabling controlled, scalable transformation.



Context-Aware Code Conversion

Automated translation of Teradata SQL and pipelines into modern data platform constructs.



AI-Ready Platform Optimization

Workload optimization and governance alignment for advanced analytics and GenAI.

Business Outcomes

Organizations modernizing Teradata with Persistent can achieve:

- / Faster migration cycles through AI-driven automation
- / Reduced migration risk and improved conversion accuracy
- / 40–60% reduction in total cost of ownership for healthcare and BFSI modernization programs
- / Modern, AI-ready data platforms enabling advanced analytics and GenAI

This is not lift-and-shift migration — it is structured data platform transformation.

Customer Transformation Examples



Fortune 10 Healthcare Leader

Modernized one of the largest clinical data warehouses supporting claims and analytics workloads.

5,000+ users migrated

\$140M projected savings



Tier-1 European Bank

Modernized regulatory reporting pipelines built on Teradata and Informatica.

70% faster documentation and reduced audit risk

Start Your Teradata Modernization Assessment

Evaluate your Teradata migration readiness with a rapid AI-powered migration assessment.

In as little as two weeks, Persistent will assess your Teradata estate and deliver a modernization roadmap.

- / Analyze your Teradata estate
- / Identify migration complexity and dependencies
- / Deliver a modernization roadmap and execution plan

Contact us to get started.

Re(AI)maging™ the World

About Persistent

Persistent Systems (BSE: 533179 and NSE: PERSISTENT) is a global services and solutions company delivering AI-led, platform-driven Digital Engineering and Enterprise Modernization to businesses across industries. With over 25,000 employees located in 18 countries, the Company is committed to innovation and client success. Persistent offers a comprehensive suite of services, including software engineering, product development, data and analytics, CX transformation, cloud computing, and intelligent automation. The Company is part of the MSCI India Index and is included in key indices of the National Stock Exchange of India, including the Nifty Midcap 50, Nifty IT, and Nifty MidCap Liquid 15, as well as several on the BSE such as the S&P BSE 100 and S&P BSE SENSEX Next 50. Persistent is also a constituent of the Dow Jones Sustainability World Index. The Company has achieved carbon neutrality, reinforcing its commitment to sustainability and responsible business practices. Persistent has also been named one of America's Greatest Workplaces for Inclusion & Diversity 2025 by Newsweek and Plant A Insights Group. As a participant of the United Nations Global Compact, the Company is committed to aligning strategies and operations with universal principles on human rights, labor, environment, and anti-corruption, as well as take actions that advance societal goals. With 468% growth in brand value since 2020, Persistent is the fastest-growing IT services brand in 'Brand Finance India 100' 2025 Report.

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