

# ClearScape Analytics™ Overview

Teradata delivers the most powerful analytics engine for AI innovation

## Businesses Are Rushing to Invest in AI/ML—but Few See a Payoff

AI/ML is a top tech trend for good reason. Estimates suggest advanced analytics can unlock up to \$15.4 trillion in value<sup>1</sup>. When used correctly, AI/ML can also double profits for businesses<sup>2</sup>.

But despite growing interest and investment in AI/ML, few companies have successfully adopted and scaled it. Why?

The main challenges of the AI/ML dilemma:

- **It's a data problem**—80% of the total time in machine learning projects is spent preparing data, not creating value<sup>3</sup>.
- **It's a scale problem**—AI/ML at the enterprise level is complex. There's a 100x increase in the number of models and related queries<sup>4</sup>.
- **It's a deployment problem**—It takes an average of five months to deploy and operationalize models<sup>5</sup>

## ClearScape Analytics Is Enabling AI-Led Digital Transformation

With ClearScape Analytics, businesses can quickly accelerate, scale, and optimize advanced analytics projects.

- **Case Study:** A global bank uses ClearScape Analytics to prevent fraud, improve the customer experience, reduce losses, and improve business efficiency, all with a hyper personalized, real-time behavioral fraud solution. ClearScape Analytics accelerated data preparation by 200x, enabling the bank to go from fraud detection to real-time fraud prevention.

1 "Notes from the AI frontier: Applications and value of deep learning," McKinsey Global Institute and "Breaking away: The secrets to scaling analytics," McKinsey

2 Bain AA Maturity Assessment (2022, n=415)

3 "Breaking the 80/20 rule: "How data catalogs transform data scientists' productivity," IBM

4 Bank of the future (joint work done by Lloyds and Teradata)

5 "Predicts 2020: Analytics and Business Intelligence Strategy," Gartner

## Unlock the business value of AI with ClearScape Analytics. We can help you:

- Accelerate data preparation time by up to 70%
  - Go from a few models to millions of models at one-seventh the cost
  - Deploy in days instead of months, and operationalize at scale
- **Case Study:** Organizations can support product recommendation use cases by leveraging ClearScape Analytics Bring Your Own Large Language Model (BYO-LLM) capability as well as in-database analytic functions, such as clustering or vector similarity.
  - **Case Study:** A major European financial institution reduced AI model deployment time from five months to one week. The models are deployed at scale and integrated with operational data to deliver business value.

## Key Capabilities and Differentiators of ClearScape Analytics

### Better Answers

- **In-Database Versatility**—Gain clearer insights with the most extensive, versatile in-database functions for better data prep, model training, and deployment. With the most comprehensive variety of resources, you'll always have the right tools to find the right answers.
- **In-Depth Granularity**—Unlock the most nuanced detail from the broadest set of sources through the unmatched ability to harmonize data together. Explore more complex questions to uncover deeper understanding.

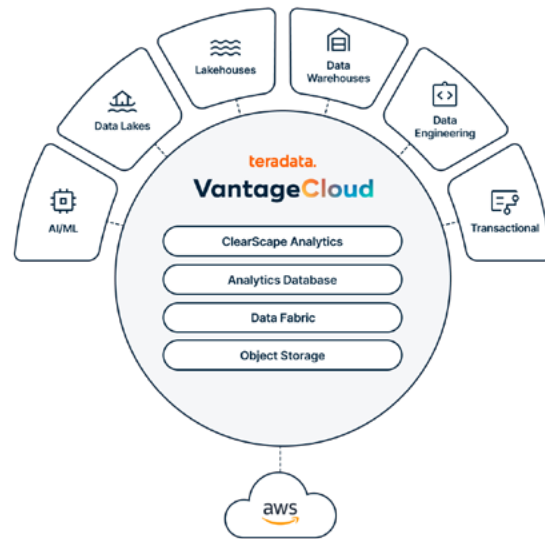
- **Intelligent Modeling**—Deliver more refined predictions through more efficient, flexible scaling of model types and data sets. Easily pivot from one model to millions and from narrow data sets to massive ones.

### Faster Results

- **Unleashed Performance**—Unleash the potential of AI/ML to solve your most complex business needs at incredible speeds. With analytics capabilities designed for the most powerful AI/ML performance, you can address your most important use cases.
- **Frictionless Connectivity**—Increase the ease of accessing and leveraging insights through seamless, secure integrations of tools, languages, and external open-source LLMs. Maintain the flexibility to make the right choices for you and your business.
- **Expedited Production**—Reduce the time required to put ideas into production by minimizing the lengthy importing, exporting, and adapting of models—including LLMs—between systems. Implement improvements quicker and roll out innovations more frequently.

### Activate Value

- **Empowered Users**—Drive growth and innovation throughout your organization. Stakeholders at all levels get faster, securely governed access to enterprise data and AI/ML that can be readily implemented for more diverse use cases than ever before.
- **Automated Optimization**—Improve predictive analytics with ModelOps enabled for automated lifecycle management. Maximize your ability to operationalize analytic models and solutions by integrating model scores and production data.
- **Realized Value**—Lower total cost of ownership with faster implementation, improved operationalization, and stronger performance of AI/ML models. Proven price-performance keeps your costs down and raises your return on investment.



**ClearScape Analytics** is the name for Teradata's analytics capabilities available as part of the Teradata Vantage platform, including Teradata VantageCloud Lake™, Teradata VantageCore, and deployments within those offerings.

### Next Steps

Find out how ClearScape Analytics can help unlock the value of AI for your business. Contact your sales rep today to request a workshop with one of our cloud analytics and data experts. Or [explore 90+ AI/ML use cases](#) in our free interactive demo.

### About Teradata

At Teradata, we believe that people thrive when empowered with trusted information. We offer the most complete cloud analytics and data platform for AI. By delivering harmonized data and Trusted AI, we enable more confident decision-making, unlock faster innovation, and drive the sustainable, successful business results organizations need most.

[See how at Teradata.com.](#)