Drive Analytic Innovation at Scale With Teradata VantageCloud Lake on AWS

Teradata VantageCloud Lake: The complete cloud-native analytics and data platform

Teradata VantageCloud Lake is a robust cloud analytics and data platform designed to handle massive, business-critical, high-performance enterprise workloads. It seamlessly manages millions of queries, thousands of users, and hundreds of applications simultaneously. With Teradata's renowned high-performing analytics and in-house database library boasting over 150 analytic functions, VantageCloud Lake empowers business users and data scientists to extract future-ready insights using any tool, any language, and all their data.

By leveraging a next-generation cloud-native architecture, VantageCloud Lake can run independent elastic workloads using an object store-centric design. This means every part of a business can run analytics projects on demand—all while sharing data in cost-effective object storage.

The New York Football Giants use VantageCloud on AWS to help create a winning fan experience.

See how the football team is gaining new insights into ticket buyers and purchasing behavior to improve its marketing.
View the case study.

Teradata and AWS: Reimagining the future of data analytics

Teradata and AWS deliver unmatched cloud-based data analytics innovation to our customers with measurable bottom-line benefits.

The combination of VantageCloud Lake on AWS, including ClearScape Analytics™, applies harmonized data, Trusted AI, and secure cloud-native technology to help customers maximize the value of AI opportunities and accelerate their cloud modernization journeys.

Accelerating AI/ML analytics and scaling successful ones across the enterprise is made easier with Teradata VantageCloud Lake and Amazon SageMaker, a fully managed environment for creating, training, and deploying machine learning models in the cloud. With Teradata and AWS, you can securely bring your data and models into the cloud while giving stakeholders across the enterprise faster access to insights and equipping them to scale AI/ML and generative AI use cases with the power of SageMaker and Amazon Bedrock.

VantageCloud: Two powerful deployment options
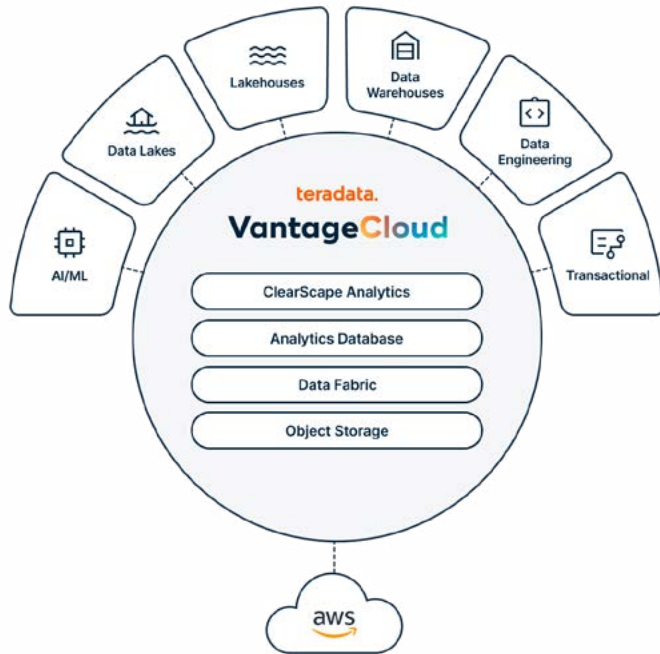
VantageCloud Lake
- Accelerates innovation with cloud-native design
- Provides lakehouse deployment patterns with the ability to run independent, elastic workloads

VantageCloud Enterprise
- Purpose-built for massive, business-critical, high-performance enterprise workloads
- Delivers the best price-performance on the market while empowering users across the organization

Included in both versions, ClearScape Analytics delivers more breakthrough performance, value, and growth across the enterprise with the most powerful, open, and connected AI/ML capabilities on the market. It comes equipped with more than 150 in-database functions, open and connected integrations/APIs, and additional features that enable full-scale activation and operationalization of analytics.

teradata.

Teradata VantageCloud Lake: Cloud-native innovation

Optimized TCO for a top-tier insurance provider

A leading U.S.-based insurance provider relies on VantageCloud Lake on AWS to improve workload isolation and optimize the total cost of ownership (TCO) using scheduled windows and scaling policies.

Improved customer satisfaction, reduced churn for renowned entertainment group

A high-profile entertainment company improves customer satisfaction and reduces churn by running departmental workloads on VantageCloud Lake on AWS. The solution accurately schedules and provides refined time windows for field technicians installing equipment in customers' homes.

Common use cases for VantageCloud Lake

- Ad hoc, exploratory, and departmental projects to foster innovation and improve productivity

- Greenfield customers with a single VantageCloud Lake deployment who want to transition more of their analytic workloads or use AI Unlimited to set up and deploy enhanced analytics in minutes

- Existing AWS customers using VantageCloud Enterprise on AWS to deploy new applications on VantageCloud Lake alongside current environments

VantageCloud Lake differentiators

- Reduces data ingress/egress costs with ClearScape Analytics' powerful suite of in-database analytic functions

- Enables customers to use the cloud-native lakehouse architecture to scale EC2 and EBS compute and S3 storage separately

- Uses integrated financial controls and reporting to help organizations balance agility with fiscal responsibility

- Employs smart scaling to minimize the likelihood of cost overruns

- Breaks down AI/ML barriers so teams can move into production quickly — in as little as 45 days

- Promotes business user autonomy, enabling teams to quickly launch their own projects

- Provides data scientists with an easy-to-use console that enables them to select the tools of their choice

- Accelerates delivery of business outcomes by facilitating analytics that leverage both governed enterprise data and the full array of data stored within the broader lake

Ready to ramp up cloud modernization and elevate your AI capabilities?
Book a call with a Teradata-AWS expert to learn more and receive a complimentary proof of concept.
Or accelerate your AI strategy with an executive briefing. Schedule yours today!