

Teradata VantageCloud Lake

Teradata's next-generation, cloud-native analytics and data platform

A Cloud-Native Architecture for the Data-Driven Enterprise

Many organizations are looking for a flexible, low-cost strategy to modernize their data ecosystems. Teradata VantageCloud Lake enables users to meet the increasingly diverse analytics and data needs of evolving business, uniquely executing all workload types at scale, including AI/ML, decision support, data science, data engineering, transactional, and reporting.

By leveraging a next-generation cloud-native architecture, VantageCloud Lake has the ability to 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. With VantageCloud Lake, businesses can:

- **Promote Business User Autonomy**
Enable teams to quickly launch new projects on their own through an easy-to-use console.
- **Accelerate Business Outcomes**
Make it easy to build and deploy powerful analytics leveraging both governed enterprise data and the full array of data stored within the broader lake.
- **Drive Down Costs**
Built on centralized shared object storage, customers benefit from both decreased costs and superior price performance.
- **Maintain Financial Visibility**
Deploy governance policies to monitor and maintain budgetary decisions. Policy-driven scaling, unit pricing, and telemetry visualizations enable smarter scaling and granular chargebacks.
- **Guarantee Critical SLAs**
Ensure SLAs for business-critical workloads with automated elastic independent compute clusters and tiered storage options.

Activate Analytics Across the Enterprise with Powerful, In-Database Capabilities

VantageCloud Lake empowers organizations to unlock their data, activate analytics, and accelerate value. Customers can optimize their analytics environment using specially configured compute cluster resources that best accommodate their workload requirements. Based on Teradata's extensive experience and expertise, VantageCloud Lake delivers industry-leading capabilities through ClearScope Analytics—the most powerful, open, and connected cloud analytics in the market today.

- **Powerful In-Database Advanced Analytics**
Move beyond reporting to real-time machine learning with Teradata's high-performance in-database analytics library.
- **Open and Connected Tools of Choice**
Leverage the languages and tools of choice with R/Python and the ability to bring your own tools and models. Tap into the ecosystem of data science tools you already love, such as Dataiku, AWS SageMaker, and Azure Machine Learning.
- **Operationalization at Scale**
Integrated ModelOps provides customers with end-to-end model management, making it easier than ever to deploy models in-database at scale for better business results.

Teradata VantageCloud Lake is everything you already love about Vantage and more.

- Business Autonomy and Self-Service
- Centralized Shared Lake Object Store
- Independent Compute and Storage
- Intelligent Elasticity
- Competitive Unit-Based Pricing
- Corporate-Wide Financial Visibility
- Multi-Cluster Workload Isolation
- ClearScope Analytics

Cloud-Native Innovation

VantageCloud Lake unlocks all the benefits you'd expect in a cloud solution plus Teradata's differentiated technology stack, including the industry-leading Analytics Database, ClearScape Analytics, and QueryGrid data fabric. Teradata continues to drive cloud-native innovation by releasing new capabilities that enable customers to innovate faster, scale smarter, and govern better:

- **Innovate Faster**

Empower each limb of the business to drive analytics insights with a flexible, self-service environment. Teams can utilize their own dedicated compute against a single shared data store and leverage ClearScape Analytics for end-to-end model management. Connect to your preferred tools and services, such as R, Python and common data science tools to create more efficient workflows that increase business agility and give back time for further innovation.

- **Scale Smarter**

Compute only scales when necessary thanks to superior workload intelligence based on system utilization algorithms—not just based on the number of users or queries—so you only pay for the resources you use. User-defined guardrails also ensure you only scale within the available budget.

- **Govern Better**

Take advantage of detailed telemetry data to manage your resources and workloads with financial oversight in mind. Organization-wide reporting with filtering capabilities and visualization formats make it easy for administrators to oversee usage and consumption patterns for better forecasting.

Realize Value Today

Consolidate your data, compute, and technologies with a modernized lake-centric environment that can uniquely execute all your workloads and design pattern types. VantageCloud Lake delivers the best-in-class Analytics Database, workload management, and financial governance to empower your business to drive innovation, at scale.

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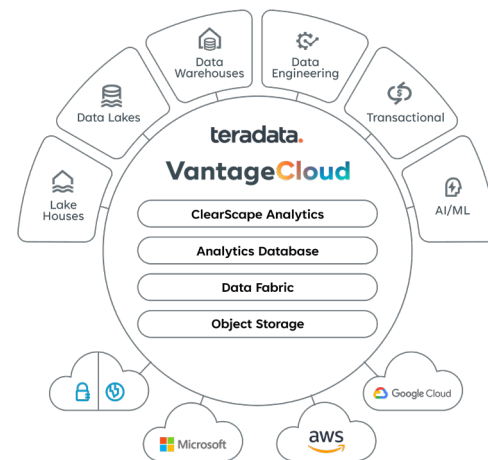
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The Complete Cloud Analytics and Data Platform

VantageCloud Lake can be deployed to solve complex analytic challenges across any analytic workload type while delivering the superior performance needed to ensure business transformation.



Teradata provides flexibility to migrate at a pace that meets the demands of your business, so regardless of where you are at in your modernization journey, you can look forward to an easy, fast, and low-risk migration to VantageCloud Lake.

VantageCloud Lake is now available on AWS and Azure

Get started now.

About Teradata

Teradata is the connected multi-cloud data platform company. Our enterprise analytics solve business challenges from start to scale. Only Teradata gives you the flexibility to handle the massive and mixed data workloads of the future, today.

Learn more at [Teradata.com](https://www.teradata.com).

