Introducing Teradata VantageCloud Lake:

A new offer based on Teradata's next-generation cloud-native architecture

A Cloud-Native Architecture for the Data-Driven Enterprise

With the massive amounts of digital exhaust being generated today, 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, expanding beyond enterprise workloads to meet departmental, exploratory, and ad hoc use cases.

By leveraging a next-generation cloud-native architecture, VantageCloud Lake provides lakehouse deployment patterns with the ability to run independent elastic workloads leveraging an object store-centric design. This means all parts of a business can now run analytics projects at-will, while sharing data in cost-effective object storage. Further, businesses using VantageCloud Lake are able to:

- **Promote Business User Autonomy**
  Enable teams to quickly launch new projects on their own through an easy-to-use console and have the ability to use the analytics tools of their choice.

- **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**
  Enjoy the best of both worlds. Built on centralized shared object storage, customers benefit from both decreased costs and superior price performance.

- **Maintain Financial Visibility**
  Deploy governance policies to minimize sprawl and costs of shadow IT. Policy-driven scaling and unit pricing enable smarter scaling and granular chargebacks.

- **Guarantee Critical SLAs**
  Ensure SLAs for business-critical workloads with automatically elastic independent compute clusters and tiered storage options.

Built on the Industry's Most Trusted Data and Analytics Platform
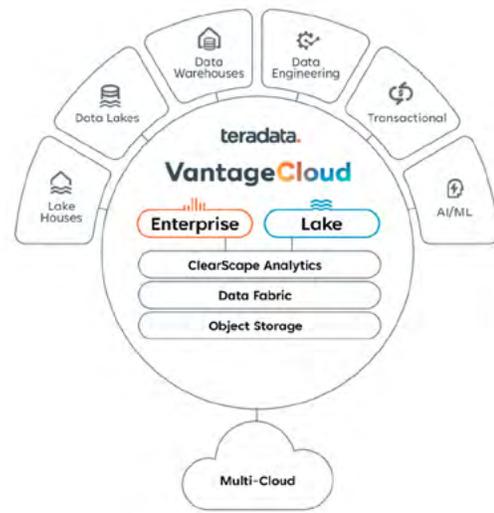
VantageCloud Lake opens up exciting new options for customers to drive critical business outcomes with data and analytics. Based on Teradata's extensive experience and expertise, VantageCloud Lake leverages the industry-leading capabilities of ClearScape Analytics—the most powerful, open, and connected cloud analytics in the market today.

ClearScape Analytics, available in both Lake edition and Enterprise edition, offers:

- **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 embedded R/Python and the ability to bring your own model. Tap into the ecosystem of data science tools you already love, such as Dataiku and AWS SageMaker.

- **Innovation with Flexible, Robust Governance**
  Make collaboration more efficient with the Enterprise Feature Store and streamline analytic model deployment and management with integrated ModelOps.

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
- ClearScape Analytics

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The Complete Cloud Analytics and Data Platform

VantageCloud Lake can be deployed for new analytic workloads independently or in combination with the existing, industry-leading Teradata VantageCloud Enterprise. Together, the Lake edition and Enterprise edition make up the two deployment options for Teradata VantageCloud, the complete cloud analytics and data platform.

Scale Smarter with Teradata

Teradata's deep expertise working with enterprise organizations ensures that customers will continue to enjoy the best price performance in the industry while they modernize their data ecosystems to innovate at scale. The unique capabilities of VantageCloud Lake ensure customers scale smarter without costs escalating out of control.

- **Intelligent Independent Auto-Scaling**
  Compute only scales when necessary thanks to superior workload intelligence and only expands when needed—not just based on the number of users or queries.

- **Optional Scaling Guardrails**
  User-defined guardrails on specific workloads ensure you only scale within the available budget.

- **Flexible Storage Options**
  Centralized shared lake object store can be augmented with optional high-performance storage where needed to meet critical SLAs.

- **Financial Visibility**
  Organization-wide reporting ensures full financial visibility and the ability to charge back easily.

Together, these differentiated capabilities—smart scaling, optional guardrails, and granular reporting—make it easier for organizations to balance the needs of business autonomy with fiscal governance. While resources in the cloud may be limitless, your budget is not.

Driving Innovation at Scale

Thousands of customers from every industry and around the world depend on Teradata to solve their most complex analytic challenges and deliver the superior performance needed to ensure they can transform their business and industry.

Now with VantageCloud Lake, customers can extend the power of Teradata to a much wider array of use cases—making it easier than ever to drive analytic innovation at scale.

Available today on AWS, VantageCloud Lake enables organizations to be more nimble, experimental, and innovative. Best of all, you can get started right now; let's talk about how you can realize the benefits of adding VantageCloud Lake into your environment to drive analytic innovation.

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**.

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