Accelerate AI innovation with Teradata and AWS

Data is your company's oxygen, fueling innovation, business performance, and decision-making at scale. While critical to digital innovation, data can also be challenging to unify and harmonize.

Maximize the value of AI opportunities and accelerate your modernization journey with harmonized data, Trusted AI, and secure cloud-native technology from Teradata and Amazon Web Services (AWS). Together, Teradata and AWS deliver a seamlessly integrated foundation to drive faster innovation across the enterprise, unlock key AI use cases, and create business value today.

> The combination of VantageCloud Lake on AWS, including ClearScape Analytics, applies harmonized data, trusted AI and secure cloud-native technology to help you maximize the value of AI opportunities and accelerate your cloud modernization journey.

Meet evolving needs with the most complete cloud analytics and data platform for AI

With the cloud-native architecture of Teradata VantageCloud Lake on AWS, your organization can deliver new insights, manage uncontrolled data growth, and accelerate data preparation for AI initiatives—all in a cost-efficient environment.

- **VantageCloud Lake: Modernize your cloud environment faster with less risk**
  VantageCloud Lake offers the fastest path to the cloud with low-risk migrations and seamless integrations with broader cloud environments. Running on AWS, Teradata VantageCloud Lake's flexible, cloud-native architecture provides enterprise-, department-, function-, and team-level access to dedicated compute resources. Quickly spin up ad-hoc, exploratory, and experimental use cases to answer complex questions and deliver actionable results.

- **ClearScape Analytics™: Accelerating data preparation and model deployment**
  Launch AI use cases, including generative AI, across the enterprise with Teradata ClearScape Analytics on AWS. Embedded within VantageCloud, ClearScape Analytics offers a powerful portfolio of analytic capabilities that streamline data preparation and enable efficient model deployment and monitoring at scale. Natural language interfaces, in-database preparation functions, integrated large language models, and Teradata ModelOps make it easy to launch generative AI, no matter what tools you have in place already.

VantageCloud Lake on AWS: an enterprise-grade Trusted AI foundation

The combination of VantageCloud Lake on AWS, including ClearScape Analytics, applies harmonized data, trusted AI and secure cloud-native technology to help you maximize the value of AI opportunities and accelerate your cloud modernization journey.

In a time where companies dynamically cycle through POCs and tests of new AI use cases, 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, unlocking the full power of your data.

Teradata and AWS also combine to equip joint customers with generative AI capabilities. Teradata ask.ai, a VantageCloud Lake interface, allows users to analyze data and metadata, as well as generate code, by sending questions to a Large Language Model in Amazon Bedrock to create a vector of a user's query, all through a natural language interface within VantageCloud Lake. Among other solution accelerators, VantageCloud Lake also operates with Amazon Bedrock to develop generative AI solutions that speed the identification and resolution of customer complaints for financial services and other industry enterprises.

The freedom to innovate is now as limitless as your imagination

Teradata makes it faster, easier, and more cost-effective to deliver AI innovation with Teradata AI Unlimited, our on-demand AI/ML engine now in public preview through AWS Marketplace. AI Unlimited delivers the power of Teradata's high-performance compute and the robust in-engine analytics of ClearScape Analytics in a serverless environment designed for data exploration, testing, and experimentation. Now, with Teradata and AWS, your business can take advantage of:

- Seamless integration and harmonization of data across your organization

- An Enterprise Feature Store (EFS) that enhances trust and security

- Consistent and reliable performance, managing data at scale to meet evolving business needs

- Trusted AI through ClearScape Analytics

- In-database functions that bring massively parallel processing (MPP) architecture to models with vertical and horizontal scaling

- Teradata's QueryGrid data fabric to experiment and innovate freely with data and integrate seamlessly with leading AI tools

- A seamless experience for mutual customers, enabling a frictionless process for preparing and harmonizing data to achieve real-time data insights

Unique support for hybrid environments

Hybrid cloud implementations preserve an on-premises infrastructure. Whether to maximize investment in existing infrastructure or to maintain tight control over security and performance, they combine the benefits of cloud technology with owned infrastructure to ensure cost-effective, as-needed use of resources.

For customers who need time to shift all strategic workloads to VantageCloud on AWS, our approach utilizes QueryGrid to help efficiently distribute workloads across multiple clouds for resilience and the best price performance.

Fast-track your organization's innovation and growth with a modern AWS ecosystem solution that's truly cloud-native and supports hybrid cloud environments. The Teradata-AWS partnership delivers:

- **Unmatched security and reliability**

- **Cost-effective, scalable architecture**

- **Seamless integration of cloud-native and hybrid environments**

- **Robust AI/ML capabilities**

Ready to take your AI initiatives to the next level?
Book a call with a Teradata expert to learn more and receive a complimentary proof of concept. Or accelerate your AI strategy with an executive briefing. Schedule yours today!

teradata.