Harness structured and unstructured data for Trusted AI with Teradata

As generative and agentic AI evolve, enterprises seek value from unstructured data, which will account for over 80% of global data in 2025. Teradata's Enterprise Vector Store offers a cost-effective solution for managing this data at scale, integrating structured and unstructured data capabilities. This enables seamless storage, search, and retrieval of billions of vectors, driving actionable insights and enhanced customer experiences. The platform supports advanced use cases like augmented call centers and delivers Trusted AI at scale, accelerating customer experience innovation and meeting the demand for faster ROI.

Get the freedom to unlock unstructured data
Unstructured data, growing three times faster than other data types, presents enterprises with significant challenges in management and analysis. Traditional vector databases often fall short due to data movement requirements, lack of integration with non-vector data, and high costs.

Teradata's Enterprise Vector Store transforms customer service by unlocking insights from unstructured data.

Teradata's Enterprise Vector Store addresses these issues with a scalable, in-database solution that supports the full lifecycle of vector data management. It integrates structured and unstructured data, enabling enterprises to gain holistic insights while reducing data movement, enhancing privacy, and minimizing costs. The platform supports frameworks like LangChain and Retrieval Augmented Generation (RAG), simplifying complex AI workflows.

Help customers implement agentic AI
With access to Teradata's proven hybrid cloud analytics and data platform and cutting-edge AI/ML capabilities, Teradata Enterprise Vector Store empower users through the whole workflow. By enabling solutions with agentic AI for data loading, embedding generation, and intelligent search users have access to all their data, no matter the format.

Teradata's Trusted AI capabilities extend to agentic AI, ensuring trustworthy agents for mission-critical generative and agentic AI applications. Designed for cost-effective, sub-second response times at all data volumes, Enterprise Vector Store with agentic AI can tackle complex, multi-dimensional problems by combining structured and unstructured data. Plus, it offers flexible deployment options, including cloud, on-premise, and hybrid environments, to meet diverse data privacy and regulatory needs.

Build to an agentic AI future for dynamic CX and more
Agentic AI autonomously solves complex challenges with advanced reasoning and planning. Teradata's Enterprise Vector Store supports this by providing a scalable, trusted data foundation for agentic AI. It integrates vast datasets with end-to-end processing capabilities, enhancing problem-solving and operationalizing agentic AI. Known for enterprise-scale analytics, Teradata offers cost-effective scalability for inference economics, driven by generative AI applications. Agentic AI can revolutionize productivity, efficiency, and customer experience across various use cases, including augmented call centers.

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Augmented call center use case

Generative AI agents enhance customer service by handling complex tasks, personalizing interactions, and assisting human agents. Enterprises can use Retrieval Augmented Generation (RAG) to provide precise, context-aware answers from multiple data sources, improving resolution times and customer satisfaction. Teradata's Enterprise Vector Store transforms customer service by unlocking insights from unstructured data. It simplifies data ingestion, vectorization, and intelligent search, combining structured and unstructured data into actionable insights. Enhanced by Trusted AI, it delivers high scalability, cost efficiency, and improved agent productivity.

Maximize value with less data movement

Vector databases are crucial for generative AI but scaling them is complex. Teradata's Enterprise Vector Store overcomes these challenges with a scalable, in-database solution that processes billions of vectors seamlessly. It integrates with existing systems, minimizing data movement and enhancing security. The platform combines data embedding, vector indexing, and intelligent search for structured and unstructured data. With hybrid deployment options, it supports flexible scaling across cloud and on-premises environments. This comprehensive approach enables cost-efficient scaling, optimized workflows, and maximized value from unstructured data, empowering enterprises to unlock their data's full potential.
Test-drive Teradata's free hands-on demo environment.

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 impactful business results organizations need most.
See how at Teradata.com.