Simplify Building, Deploying, and Managing Enterprise AI Agents

As organizations race to adopt agentic AI, most struggle to move beyond experimentation. With 95% of AI initiatives failing[1] to deliver promised value and Gartner predicting over 40% of agentic AI projects will be canceled by 2027,[2] enterprises need to move from isolated pilots to production-grade agents by simplifying the entire agent lifecycle.

Teradata Enterprise AgentStack enables organizations to efficiently develop, implement, and manage autonomous AI agents using a unified AI + Knowledge Platform. This solution supports scalable agentic innovation that delivers improved price-performance, enhanced security, and reliable outcomes.

The agentic challenge: From prototype to production

Enterprise teams face obstacles at every stage of the agent lifecycle. Building agents requires injecting trusted data securely and bridging prototype-to-production tooling gaps. Integration demands connecting multiple data sources across hybrid environments while ensuring security and compliance. Deployment requires enforcing permissions, guardrails, and packaging agents with tools, models, and memory. Operations need visibility into reasoning, governance, and managing drift and cost.

AgentBuilder: Accelerate development

Build autonomous AI agents with trusted data and hybrid deployment flexibility. Features include:

- No-code and pro-code tools
- Context intelligence combining Teradata IP with open LLM APIs
- Expert agents for Customer Lifetime Value, SQL, Data Science, and Monitoring

Enterprise MCP: Secure interactions

Facilitate fast, secure, context-rich interactions between AI agents and Teradata Vantage®:

- Comprehensive tools discovery and API standardization
- Context management enabling memory across interactions
- Enterprise-grade security, audit logging, and compliance
- High-throughput, low-latency, fault-tolerant architecture

AgentEngine: Enterprise execution

Enable scalable, production-grade execution of AI agents with:

- Support for single agents, multi-agent systems, and custom workflows
- Polyglot runtime for seamless cross-framework operation
- Secure access to LLMs, MCP tools, and integrations
- Hybrid deployment (Kubernetes, Docker, TMS)
- Memory and context layer for short-term and long-term retention

AgentOps: Unified governance

Centralized discovery, monitoring, and lifecycle management:

- Enterprise-grade security and policy enforcement
- Built-in guardrails, evaluations, and compliance checks
- Human-in-the-loop controls for safety and alignment
- Agent playground for rapid prototyping
- Evaluation framework for query and result quality

1. Jessica Apotheker et al., "The Widening AI Value Gap," BCG, 2025, https://www.bcg.com/publications/2025/are-you-generating-value-from-ai-the-widening-gap.
2. Cameron Haight, "AI Agents Will Transform Enterprise IT Operations," Gartner, 2025, https://www.gartner.com/en/documents/6224087.

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Why Teradata Enterprise AgentStack?

Rapid development
Build production-ready agents leveraging knowledge and contextual intelligence

Enterprise integration
Connect agents to enterprise data with scalable analytics

Comprehensive governance
Deploy and manage agents with security at scale

Cost-effective scale
Leverage the Teradata AI + Knowledge Platform

Get started
Contact your Teradata sales team or schedule an Executive Briefing Center session to explore agentic AI use cases for your industry.

About Teradata
Teradata is the AI platform built for the autonomous era. Driving business value through innovation has always been our core focus. With our AI + Knowledge Platform, supported with multifaceted AI Services, enterprises can deploy solutions that combine deep domain expertise with full enterprise context. No matter where data resides—across cloud, on-premises, or hybrid environments—Teradata uniquely connects and scales, delivering the performance AI needs. **Learn more at Teradata.com**.

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