Teradata AgentBuilder

Capabilities enable enterprises to build and manage autonomous AI agents with contextual knowledge, domain expertise, and hybrid deployment flexibility.

Getting value from AI agents at enterprise scale is complex

Lack of trusted data
AI agents rely on high-quality, accurate data to make decisions and generate responses. When data is untrustworthy - meaning it's incomplete, outdated, inconsistent, or poorly labeled—the agents are prone to errors, hallucinations, and unreliable outputs.

Limited real business knowledge
Agents often lack a deep understanding of industry-specific contexts, operational constraints, and organizational dynamics. This gap limits their ability to deliver recommendations that align with real business goals— reducing agent effectiveness.

Cost and performance challenges
Performance and cost are the key concerns in operationalizing AI agents. These challenges often prevent organizations from moving agents from development to production.

"We enable expert agents enriched with industry context and enterprise-wide intelligence to drive more autonomous, informed decision-making."

Teradata AgentBuilder delivers:

Trusted, contextual data at scale
Teradata Vantage unifies structured and unstructured data across cloud and on-prem environments, ensuring AI agents make accurate, real-time, context-aware decisions.

Embedded business knowledge and deep domain expertise
Agents can use Teradata's industry expertise and reusable assets to create prompts and workflows that deliver domain-aware, business-aligned recommendations.

Scalable, efficient tools for autonomous agents in a hybrid environment
With 150+ in-engine functions, BYOM/BYO-LLM support, and RAG capabilities, Teradata enables agents to process and act autonomously on data directly within the platform—minimizing latency and cost.

Enterprise-grade governance
Equipped with integrated capabilities for compliance, auditability, and policy enforcement, this solution enables the responsible and secure deployment of autonomous agents.

Pre-built agents and expert agents
Pre-built agents offer ready-to-use templates for tasks like churn prediction and system monitoring designed to help teams get started quickly with agentic AI.

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What will Teradata AgentBuilder Include?

AgentBuilder UI
A UI interface to build agents and develop workflows using agents. Current choices include no-code tools such as Flowise and frameworks such as CrewAI, LangGraph.

Teradata MCP Server
MCP service for Agents to leverage Teradata Vantage capabilities. The server is designed to be easily extended to accommodate additional tools. The server also provides an authorization tool and necessary framework for secure access to data.

MCP Tools
Tools for Agents. The toolset should comprise Basic tools, DBA Tools, EFS (Enterprise Feature Store), Quality Tools, vector store, RAG, metadata, SQL tools, and a few select ClearScape Analytics tools.

Pre-built Agents
Teradata developed agents leveraging our domain knowledge and Teradata AgentBuilder.

About Teradata
Every day we drive positive impact for hundreds of millions of people around the world with faster, flexible data integration and trusted, cost-effective AI innovation. 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.

Pre-built expert agents deliver:

- **Customer Lifetime Value Agent**
  An expert agent purpose-built for CLV use cases, empowering data exploration, actionable insights, and strategic decision-making.

- **SQL Agent**
  An advanced expert agent that converts questions or requests expressed in natural language into SQL queries that can be executed against Teradata data warehouse tables.

- **Data Science Agent**
  An expert agent that creates fully executable ML pipelines from natural language requests.

- **System health Monitoring Agent**
  Automates overseeing of Teradata databases, servers and sub-systems to maintain reliability, detect issues and optimize performance.

- **Your Agentic AI Partner**
  Teradata will help you build autonomous AI agents with contextual knowledge, domain expertise, and hybrid deployment flexibility.

Get started now.

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