

Teradata Factory: One Integrated System. Open Architecture. Data and AI Sovereignty.

A fully integrated, ready-to-run, on-premises solution that runs lakehouse, enterprise data warehouse (EDW), and AI side by side—delivering data and AI sovereignty, predictable performance, and modular scale, with hybrid flexibility when needed.

Enterprise intelligence needs a new foundation

Enterprises are under pressure to run analytics, lakehouse workloads, and AI as always-on capabilities while maintaining data and AI sovereignty, consistent governance, and predictable performance. As AI becomes continuous and agent-driven, traditional deployment models and DIY multi-vendor stacks create complexity, fragmentation, and risk, especially when workloads must stay inside regulated environments and still connect into hybrid ecosystems.

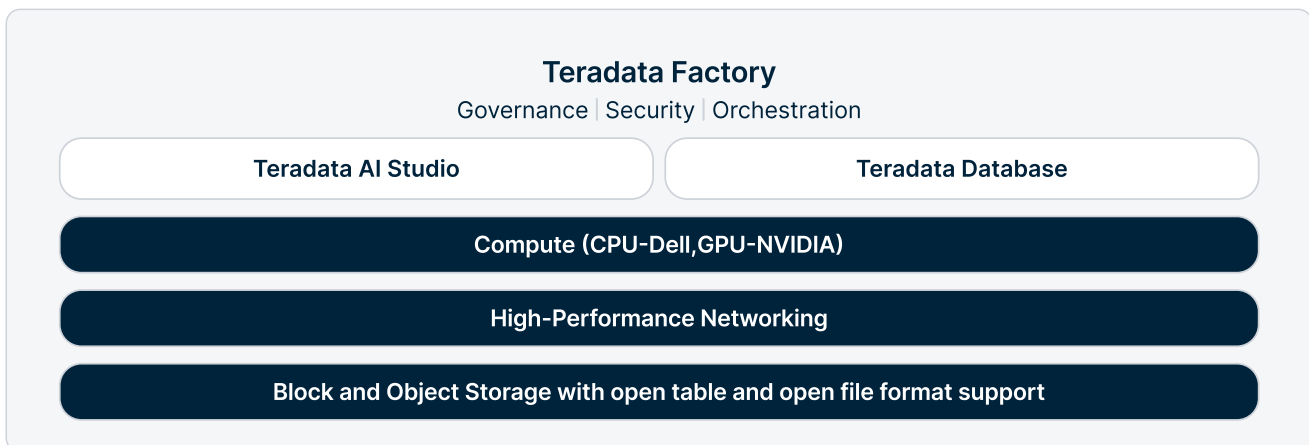
Teradata Factory delivers a new foundation: A single, integrated on-premises platform for lakehouse, EDW, and AI workloads, designed for data and AI sovereignty, modular scale, and a unified operating model. It arrives ready to run with the Teradata software stack, built on proven Dell Technologies enterprise infrastructure with NVIDIA acceleration.

Why it matters now

When AI moves into production, data and AI sovereignty become an operating requirement. Enterprises need a platform that protects mission-critical analytics while scaling AI on governed data, under one control plane.

A platform built for sovereign intelligence at scale

- **Accelerate AI and analytics outcomes:** Run analytics and AI directly on governed enterprise data within a single platform
- **Protect mission-critical performance:** Native workload management prioritizes and protects critical analytics as AI runs concurrently
- **Simplify operations with one integrated stack:** Pre-integrated hardware and software deliver a single system that eliminates multi-vendor complexity
- **Scale without friction:** A modular system that expands incrementally as your needs grow, with integrated management that scales alongside your deployment
- **Modernize with openness and control:** Open formats and hybrid deployments are supported with consistent data and AI sovereignty



One integrated system, built to scale with you

A pre-engineered, ready-to-run platform that brings Teradata software and enterprise-grade infrastructure together as one system. Start with the configuration you need today, then scale compute, storage, and GPUs over time through a unified, modular architecture delivered and supported as a single platform.

Integrated software

Teradata Factory includes a unified software stack that operationalizes analytics, AI, and agentic workloads on a shared foundation, simplifying operations while ensuring consistent governance and performance.

Teradata AI Studio

A unified, governed workspace to build and operationalize analytics and AI, from models to agents, without fragmented tools. It brings together machine learning, generative AI, native vector capabilities, and agent development in a single, integrated experience, enabling:

- End-to-end lifecycle management for models, vectors, and agents
- Built-in support for agentic workflows, analytics, and AI applications
- Consistent governance from development through production
- Open, enterprise-grade Python compute with access to modern frameworks

Teradata Database

An AI-ready, massively parallel database that runs analytics, vector, and AI workloads concurrently at enterprise scale, including in-database advanced analytics, native vector search, and governed distributed data access. Integrated workload management, an intelligent optimizer, and performance controls protect mission-critical SLAs while enabling scalable analytics and AI across hybrid environments.

Purpose-built infrastructure

The software runs on pre-engineered enterprise infrastructure from Dell Technologies with NVIDIA GPU acceleration and high-performance networking, delivered as a ready-to-run system in a standard data-center cabinet that scales modularly as workload demands grow.

Modular and scalable

Start with what you need and expand as AI workloads grow. Flexible CPU, GPU-native, or mixed compute configurations to scale analytics and AI workloads.

Unified management plane

One control surface for lakehouse, EDW, and AI workloads with GPU acceleration. Consistent governance and workload isolation eliminate the complexity of managing multiple systems separately.

Connected data foundation

High-performance access to structured and unstructured data across block, file, and object storage through open table formats, reducing lock-in and connecting your existing data investments.

High-performance networking

Pre-integrated, pre-validated networking eliminates configuration complexity and delivers predictable high-throughput performance from day one.



Use cases

Healthcare

Run LLMs directly on claims data to classify denials, predict outcomes, and anticipate appeals—without moving data off platform.

Financial services

Analyze fraud patterns across billions of transactions using GPU-accelerated AI—running in real time on sovereign, on-premises infrastructure.

Public sector

Deploy analytics and AI fully on premises with complete data and AI sovereignty—ensuring sensitive data never leaves the building.

Support and services

Support and operational services

Teradata provides enterprise-grade support services for Teradata Factory, including proactive system monitoring and integrated hardware and software support with built-in call-home alerting for seamless incident creation.

Implementation services

Implementation services include system installation, software implementation, and optional consulting services to support initial deployment.

AI Services

Teradata AI Services support customers in developing and operationalizing AI use cases and ecosystem modernization leveraging Teradata Factory.

About Teradata

Teradata Autonomous Knowledge Platform activates enterprise intelligence by unifying data, knowledge, and business context, for real-time outcomes. Enterprises can combine these for impact, connecting and scaling across any environment whether it's in the cloud, on premises, or hybrid to deliver the full value of AI.

Learn more at [Teradata.com](https://www.teradata.com).