

Teradata VantageCore Bring Your Own Hardware (BYOH) With KVM

Enhance business agility by leveraging infrastructure for analytics and AI

Organizations that succeed today do so by turning insights into action faster than their competitors. They deploy analytics and AI capabilities in weeks instead of months. They adapt infrastructure to match business priorities rather than waiting for procurement cycles. They control costs while expanding capabilities.

The challenge isn't technology—it's speed and flexibility. Your business needs to launch new analytics initiatives rapidly, test AI prototypes without capital investment, and scale production workloads on infrastructure you already own and operate. The question is how to achieve this without being constrained by proprietary hardware, unpredictable licensing costs, or lengthy deployment cycles.

Teradata VantageCore BYOH with KVM eliminates these constraints. Deploy production-grade analytics and AI environments in weeks. Scale on your terms using your existing infrastructure. Achieve predictable costs with bundled, transparent pricing.

How organizations are breaking through

Leading organizations are achieving what seemed impossible: deploying enterprise analytics in weeks, controlling infrastructure costs, and maintaining compliance—all while accelerating AI adoption.

Their approach is VantageCore BYOH with KVM—a pre-validated, fully integrated software stack that eliminates procurement delays and licensing uncertainty. Deploy the world's leading analytics and AI platform on your existing infrastructure. Start realizing value immediately without waiting for hardware approval or navigating complex hypervisor contracts.

The impact is measurable. Development teams launch test environments in days instead of months. Finance approves projects faster because there's no capital expenditure. IT teams support more initiatives with the same infrastructure budget. Business leaders get answers to critical questions weeks sooner.



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The impact is proven performance, new deployment freedom

VantageCore BYOH with KVM delivers the same enterprise-proven Teradata Vantage® platform that powers the world's most demanding analytics environments. You get the performance, scalability, and reliability that have made Teradata the foundation for mission-critical decision-making across industries.

This means zero compromise on capability. Deploy the exact same software running in production environments worldwide—whether on-premises appliances or in the cloud. Your existing queries work unchanged. Your applications require no modification. Your team's expertise translates directly. You can even combine deployment options as business needs evolve.

What changes is how quickly you can act. Need a development environment by next week? Deploy it. Want to test an AI model without a capital request? Provision it. Ready to scale production analytics? Expand on hardware you already own. The platform that once required months of planning now responds to business needs in days.

You also maintain the total cost of ownership advantages that make Teradata Vantage® compelling: automated performance optimization, efficient hybrid row-column storage with Teradata Columnar, granular security controls, and self-managing workload distribution. These capabilities don't change because the deployment model does.

What's included

VantageCore BYOH with KVM includes everything you need in a single, pre-validated package:

- **Teradata Vantage®**

Teradata Vantage® is a high-performance analytics engine built for enterprise-scale, mission-critical workloads. Its massively parallel processing architecture delivers fast, reliable analytics across your organization, with rich in-database analytic functions that eliminate data movement and accelerate insight. Teradata Vantage® provides seamless access to both structured and unstructured data through open table formats, reducing lock-in and maximizing the value of your existing data investments across block and object storage.

With the integrated Enterprise Vector Store, Teradata Vantage® unlocks unstructured data at scale—supporting billions of embeddings and powering multimodal RAG pipelines that give AI the context it needs to reason accurately.

- **SUSE KVM Hypervisor**

Virtualization layer providing enterprise-grade performance, security, and resource management.

- **SUSE Linux Enterprise Server**

Enterprise-grade Linux foundation providing stability, security, and long-term support for Teradata Vantage® workloads.

- **Enterprise Support**

Single-vendor support from Teradata—one point of contact for the entire stack, eliminating multi-vendor coordination.

What this enables

- Deploy analytics initiatives in weeks, not quarters: Pre-validated integration means no compatibility testing, no vendor coordination delays, no integration risk. Production environments are operational before traditional procurement processes even complete approval.
- Resolve issues faster, maintain higher uptime: Single-vendor support from Teradata eliminates the finger-pointing that extends outages. Your team gets answers from experts who understand the entire stack, not escalation between vendors who each blame the other.
- Budget accurately, defend decisions confidently: Bundled hypervisor pricing eliminates surprise licensing costs. Finance can forecast infrastructure spend with confidence. When executives question costs, you have transparent, defensible answers.

About Teradata

Teradata Autonomous AI and Knowledge Platform activates enterprise intelligence by unifying data, knowledge and business context to achieve tangible outcomes. With Teradata, organizations can provide agents with full context for impact when it matters. Our solution lets businesses connect and scale on premises, in the cloud, or through a hybrid approach. Teradata delivers real business value with AI.

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