



Rocket® Vertica® on HPE GreenLake

Powered by HPE Alletra MP X10000

Sovereign, AI-native data lakehouse

Drive AI innovation with trusted data

Enterprises are under pressure to operationalize AI while maintaining strict control over their data and compliance. Turning data into AI-driven outcomes requires more than scale. It demands an AI-native data foundation that unifies complex, distributed data, enables real-time insights, and enforces consistent governance.

While SaaS-based analytics offer convenience, they often fall short for mission-critical workloads that require data control, predictable performance, and regulatory assurance. Traditional architectures also struggle to effectively process large, complex datasets and deliver timely insights.

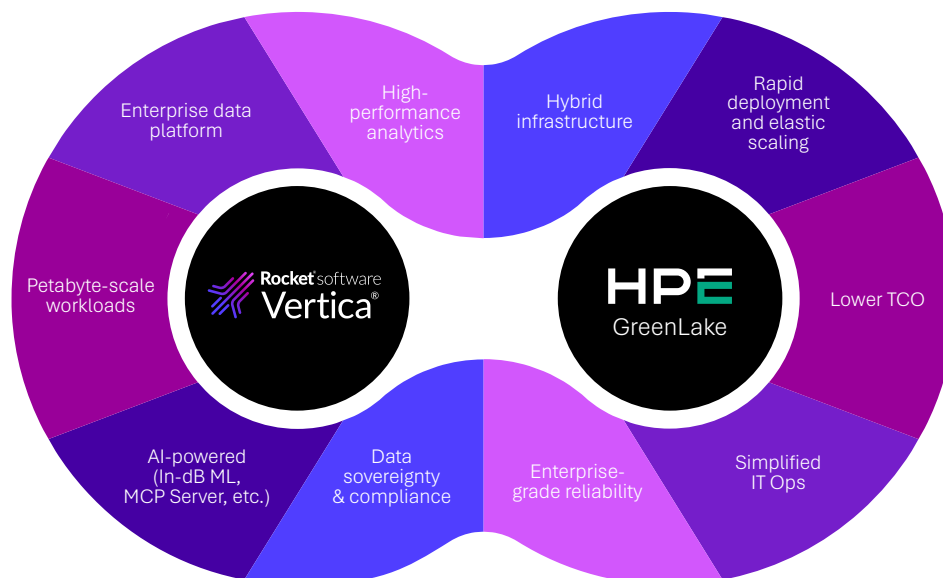
Rocket® Vertica®, HPE GreenLake, and HPE Alletra Storage MP X10000 deliver a sovereign data lakehouse for enterprise AI, combining high-performance analytics, scalable data storage, and a cloud operating model in a single solution. By bringing AI, machine learning, and advanced analytics closer to the data and minimizing data movement, organizations gain faster results, stronger control, and more predictable costs.

With the Vertica-powered data platform, data professionals and IT leaders can build, deploy, and scale enterprise AI and analytics workloads across hybrid, on-premises, and cloud environments. Data remains compliant, secure, and governed within required boundaries.

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Our Vertica-powered predictive maintenance system, built on vast amounts of data and advanced AI models, allows us to detect and address potential issues before they impact clinical operations. This improves the reliability of our equipment and enhances patient outcomes and satisfaction.”

Global healthcare technology leader



What production AI requires

AI success depends on trusted, well-governed, and accessible data. This sovereign lakehouse architecture ensures that enterprises can:

- Train and deploy AI models on compliant data.
- Eliminate data silos and duplication.
- Power AI with high-confidence inference and context.
- Accelerate time-to-insight and time-to-value.
- Maintain full control without sacrificing innovation.

Operational advantages at scale

Accelerate time to insight

Query petabyte-scale data with sub-second performance using Vertica's MPP engine and X10000's high-throughput storage.

Protect data with enterprise-grade security

Ensure secure, compliant analytics at scale across hybrid environments as Vertica and HPE combine role based access, encryption, immutability, and advanced data protection.

Turn data into AI-driven action

Leverage Vertica's native MCP server to integrate with AI models, copilots, and agents, enabling natural language interaction and secure, real-time data access and action. Built-in governance and open integration prevent vendor lock-in while delivering performance at scale.

Simplify analytics operations at scale

Leverage a streamlined, disaggregated architecture with independent scaling, cloud-like consumption, and simplified management to reduce complexity and operational overhead across hybrid environments.

Reduce total cost of ownership

Lower analytics costs with independent scaling of compute and storage, high performance, and flexible hybrid deployment, reducing overprovisioning, minimizing cloud spend, and maximizing resource utilization.

Take control of your data and infrastructure

Keep sensitive data within geographic and regulatory boundaries with full visibility, control, and ownership of where your data resides and how it's managed when you deploy the solution in sovereign environments.

Why partner with Rocket Software + HPE?



Performance

Unleash high-speed analytics at massive scale.



Acceleration

Turbocharge time-to-insight with AI-ready innovation.



Reliability

Power mission-critical decisions with always-on, trusted analytics.

Build a trusted foundation for enterprise AI



Modernization.
Without Disruption.™

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