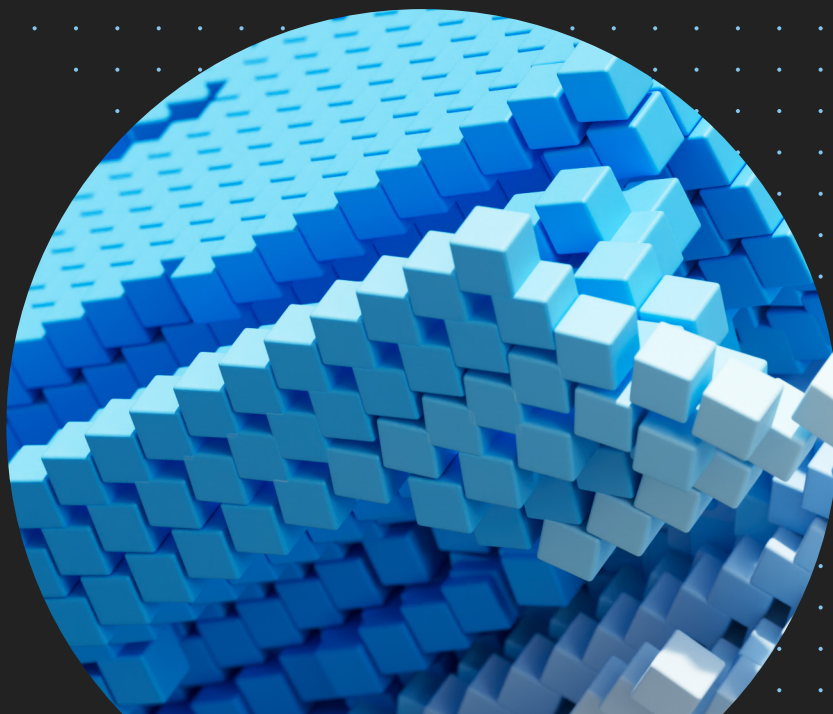


Solution Profile

Breaking Down Data Silos With Hitachi Hybrid Cloud Unified Storage

Unify data across clouds to establish data singularity, accelerating AI and driving continuous innovation



Simplify AI Data Access

Break down data silos for seamless real-time access to AI training and inference data across hybrid environments.

Accelerate Agility

Enable IT teams with centralized management and faster cloud integration.

Optimize Costs

Reduce operational overhead with AI-driven workflow automation and by consolidating storage.

Data silos decrease hybrid cloud potential and slow digital transformation.

Across data centers, clouds and edge sites, disconnected systems trap data — creating major challenges for organizations. This siloed data drives up costs, slows decision-making and delays innovation while increasing security risks and causing businesses to lose time, money and growth opportunities.

Data singularity occurs when data flows seamlessly, securely and contextually across all platforms, enabling AI to access unified datasets for continuous learning and innovation.

Achieving data singularity requires a hybrid cloud foundation that eliminates data silos and enables seamless data mobility, governance and access. Without this, organizations remain trapped in siloed architectures that limit their ability to scale AI and digital transformation. Data silos also hold back digital transformation efforts, preventing departments from collaborating or sharing insights, which blocks innovation and derails customer experiences.

Hitachi Vantara delivers a hybrid cloud solution that unifies storage and data management to break down silos, enabling better collaboration, faster innovation, enhanced agility, cost optimization and a foundation to support future AI and cloud initiatives.

68% of respondents cite data silos as their top concern — up 7% from the previous year.

— Dataversity, 2024 Trends in Data Management Survey

Unify Hybrid Cloud Storage for Seamless Data Mobility

Hitachi Vantara's hybrid cloud solution breaks down silos by integrating storage resources into a single platform. Hitachi [Virtual Storage Platform One \(VSP One\)](#), including Block, File, and Object, unifies storage across on-prem, edge and cloud environments, ensuring secure, seamless data access and simplified management.

[VSP One SDS](#), available on-prem and across major public clouds, provides software-defined flexibility with features such as thin provisioning, replication and compression, reducing storage costs by up to 40%. [Hitachi EverFlex Consumption Services](#) add pay-as-you-go scalability, while [Hitachi Virtual Storage Platform 360 \(VSP 360\)](#) management software enables centralized control and automation for greater agility and cost efficiency. The platform supports AI-driven insight by ensuring free, secure data flow without silos.

Scalable and reliable, Hitachi technology unifies traditional and cloud-native workloads, accelerating innovation while protecting data. With unified visibility and control, the Hitachi ecosystem creates true data singularity — where data remains governed, mobile and accessible everywhere.

Key Use Cases

Seamless Data Mobility Across Hybrid Environments

Secure and efficient data movement across edge, core and multicloud environments is essential for modern organizations. With siloed storage architectures, workloads can't move freely, increasing complexity and stalling digital transformation.

The Hitachi unified platform enables real-time, secure data movement for dynamic workload placement — optimizing for latency, performance and cost. This seamless data mobility delivers scaling, improved disaster recovery and compliance with governance requirements.

Success means unified data flows across all environments, enabling organizations to rapidly respond to business needs and take advantage of transformation opportunities without compromising security or visibility. This capability is a key enabler of data singularity, ensuring that data flows securely and contextually across all platforms.

Centralized Management for Diverse Storage Resources

Hybrid cloud adoption creates fragmented storage estates that challenge IT teams to maintain visibility and control across on-prem, cloud and edge environments. Hitachi Vantara addresses this with VSP 360, a unified control plane offering comprehensive management and predictive AIOps insights across all storage resources. VSP 360 streamlines monitoring, provisioning, policy enforcement and lifecycle governance from a single interface, reducing complexity and freeing IT teams to focus on strategic initiatives.

Adding to this, Hitachi EverFlex enables organizations to access these solutions on a fully managed, pay-as-you-go basis. EverFlex delivers elastic consumption and hands-off management. This approach lets businesses scale resources as needed without operational overhead and makes EverFlex ideal for organizations seeking simplicity and flexibility from a cloud-like storage service.

Speed Innovation and Reduce Operational Complexity

Many organizations struggle with data silos that block collaboration and slow application delivery. Manual, repetitive IT tasks limit teams' ability to innovate and deploy solutions quickly. The Hitachi unified storage platform eliminates these silos and empowers infrastructure automation through Infrastructure as Code (IaC) and supporting continuous integration and delivery (CI/CD) for hybrid cloud environments.

Success means creating an integrated and automated data environment, where IT teams can define, provision and manage resources programmatically using IaC tools and curated Red Hat® Ansible® playbooks. CI/CD pipelines accelerate deployment, testing and scaling of new applications, which reduces errors and speeding time to market. Improved collaboration across departments and automation of workflows free up resources for innovation, enabling organizations to be agile and responsive in today's dynamic digital landscape.

These automation and integration capabilities help eliminate silos and move organizations closer to data singularity — where AI and innovation thrive on unified, governed data.

Unified Storage Unlocks Hybrid Cloud Value

Breaking down data silos and unifying storage across hybrid environments is critical for innovation in today's digital economy.

The Hitachi hybrid cloud solution creates a single, seamless foundation that connects edge, core and cloud environments. It delivers real-time data access, centralized management, and AI-driven automation to accelerate insights, simplify operations and reduce costs, all with enterprise-grade reliability.

By eliminating data silos and enabling seamless mobility, governance and access, customers achieve true data singularity. This empowers organizations to modernize faster, drive agile innovation and future-proof their infrastructure for evolving demands in a data-driven world.



About Hitachi Vantara

Hitachi Vantara is transforming the way data fuels innovation. A wholly owned subsidiary of Hitachi, Ltd., we're the data foundation the world's leading innovators rely on. Through data storage, infrastructure systems, cloud management and digital expertise, we build the foundation for sustainable business growth.

Learn more →

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