



Transform Data Center Operations With a Flash-Powered Cloud Platform

Hitachi Virtual Storage Platform Family

OVERVIEW

Data center modernization begins with an agile infrastructure for consistently accessing data at high speed for the best possible experience. To ensure a consistent experience and long-term business agility, modern infrastructures must be resilient, support a broad range of data types and provide cloud as well as container integration. This approach gives you the ability to reduce risk to your business operations, innovate by bringing new services to market faster, and operate more efficiently.



Modernize Your Infrastructure for Faster, Better Business Outcomes

Businesses are focused on transforming data center operations to better harness the power of data. Operational processes are changing the way data centers are designed by effectively meeting and exceeding the demands of their customers, allowing them to develop new revenue streams and reach new markets.

Transforming data center operations is not easy. Most efforts are hindered by vendor limitations that result in suboptimal performance and data availability as well as inflexible purchasing models.

To deliver maximum value and easily support future initiatives, organizations need a complete approach to modernization that encompasses the infrastructure, data protection, operations and processes.

Hitachi Virtual Storage Platform Family: The Foundation for a Modern Data Center

To ensure the best possible customer experiences, Hitachi Virtual Storage Platform (VSP) systems have been enhanced to reliably deliver data faster than ever. The VSP family raises the bar with nearly three times more performance at 25% less latency and is backed by the industry's most comprehensive [100% data availability guarantee](#). Hitachi Remote Ops monitoring service and Hitachi Infrastructure Analytics Advisor (HIAA) for predictive analytics enable industry-leading uptime.

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The new high-performance Virtual Storage Platform F1500 and VSP G1500 from Hitachi Vantara raise the bar for high-end systems and offer the high performance and consistent customer experience the industry has come to demand.

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Gérard Lüchinger
CTO
UMB AG

Hitachi Virtual Storage Platform Answers Your Key Challenges

Hitachi sets new standards for enterprise storage technology in midrange to high-end systems, giving you more choices in how you design your data center. At the same time, we provide industry-leading data management, powered by Hitachi Storage Virtualization Operating System RF (SVOS RF).

Flash-Powered Cloud Platform

The all-flash VSP F series is the best choice for blazing flash performance at up to 4.8 million IOPS. The hybrid VSP G series scales to more than 17PB of physical capacity. Both families offer OpenStack and container integration.

VSP F series provides a foundation for a modern, all-flash data center. VSP G series offers an extremely powerful and cost-effective solution for a staged transition to all-flash.

Powerful Storage Efficiency

SVOS RF adaptive data reduction (ADR) enables organizations to improve storage utilization, reduce the footprint of their storage and control costs. ADR offers selectable inline compression and deduplication that can be turned on at a volume level, making the system tunable to customized service level agreements and capacity needs.

Guaranteed total efficiency rates of up to 7:1 save on not only capacity purchases but also floor-space consumption, utility charges and support costs.

100% Data Availability Guaranteed

Leveraging hot-swappable components, nondisruptive updates and outstanding data protection, the VSP family offers complete system redundancy and is backed by the industry's only 100% data availability guarantee.

Built on legendary Hitachi reliability, the VSP family is the best choice for all-flash and hybrid-flash storage operations.

Artificial Intelligence Optimized Operations

All VSP systems are packaged with Hitachi Infrastructure Analytics Advisor, our artificial intelligence (AI) powered predictive analysis solution that constantly analyzes telemetry to optimize application performance and prevent extended outages.

To simplify management and prevent errors that impact performance and uptime, Hitachi Automation Director (HAD) software orchestrates your data center.

For companies where security is critical, HIAA can be run on premises only. This gives you superior insights without the need to send data off-site.

Simple, Powerful Management

The VSP family can be set up quickly and managed at a glance using Hitachi Storage Advisor (HSA). Intended for IT generalists, HSA uses an intuitive graphical user interface and REST APIs to allow integration with existing tool sets to further consolidate management tasks.

HSA reduces complexity of steps needed to deploy, monitor and adjust storage resources to centralize administrative operations.

High-End Enterprise Storage and Mainframe Compatibility

VSP F1500 and VSP G1500 provide critical compatibility and value-added storage technologies that are important for use with an IBM® mainframe. These high-end systems are tested and qualified with IBM mainframe operating systems and a broad range of features.

Improve performance of mission-critical applications: VSP F1500 and VSP G1500 are the foundation for multi-data-center resiliency.

The No-Compromise Choice From the Leader in Data Center Architecture

The VSP family provides the ultimate in enterprise storage technology. By combining analytics, automation and data protection, Hitachi is uniquely positioned as an end-to-end solution provider. As businesses evolve, it is critical that their data insights can be utilized to address new customer markets. The VSP family's core functionality allows organizations to automate their data-center operations and extract data insights.

Virtualized Storage Management and Monitoring

Consolidate and simplify IT by virtualizing all storage under a single view. More than 100 different all-flash and hybrid storage models can be used for extended capacity needs.

Modernized Consumption Models

In addition to standard capital expenditure (capex) and leasing models, we offer pay-per-use utility pricing and cloud-based consumption services to reduce upfront acquisition costs and better align what you pay with what you use.

Enjoy Peace of Mind

Comprehensive business continuity can be assured with active-active clustering via global-active device. Enabling robust business-continuity solutions among multiple data centers, global-active device offers zero downtime to ensure performance stays high, even when data protection is running.



Hitachi Leads the Way With Game-Changing Flash Solutions

The Hitachi Virtual Storage Platform family offers the ultimate in enterprise storage technology, giving you more choices in how you design your data center, while delivering industry-leading data management. Built on 20 years of experience, the VSP family of all-flash and hybrid systems provides unparalleled performance, efficiency and reliability. Hitachi:

- Holds an industry-leading 4,000+ storage patents, including 350 flash patents.
- Guarantees 100% data availability and doubles the increase in flash capacity.
- Selected as champion vendor¹.

¹ 2017 InfoTech Vendor Landscape: Midrange Storage



To learn more about how the Hitachi Virtual Storage Platform family can benefit your organization, contact your Hitachi Vantara representative or [visit our VSP F series webpage](#).



Hitachi Vantara at a Glance

Your data is the key to new revenue, better customer experiences and lower costs. With technology and expertise, Hitachi Vantara drives data to meaningful outcomes.

Hitachi Vantara



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