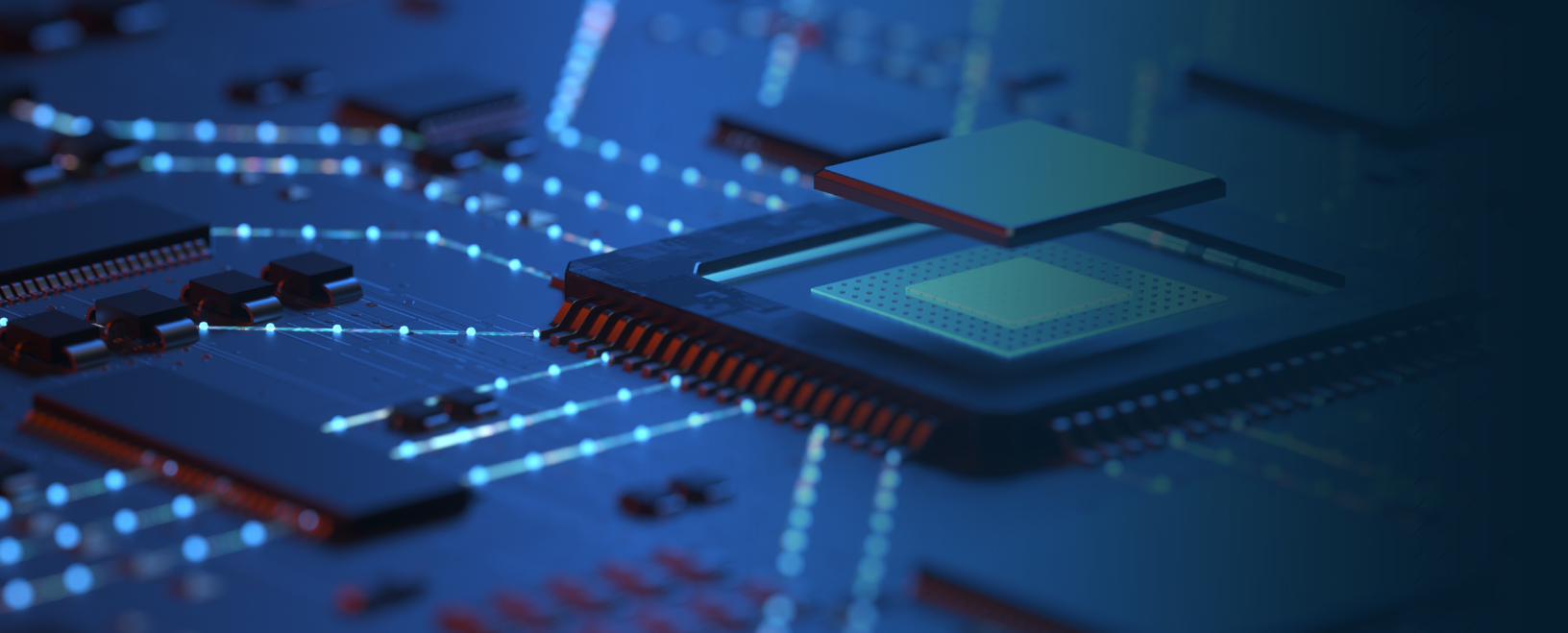# Foundation for a Modern Enterprise Infrastructure

Hitachi Virtual Storage Platform 5000 Series

OVERVIEW

Consolidate and modernize your infrastructure to support your business applications today and tomorrow. Simplify management, consolidate data silos, and support workload diversity from mainframe to containers without any data availability concerns. With non-disruptive, data-in-place upgrades to our next gen storage architectures.

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) 5000 series reliably delivers more data faster than ever for open systems and mainframe applications. The enterprise-level VSP 5000 series starts as small as 3.8TB and grows to 69PB of raw capacity. With scalability to handle up to 33 million IOPS, multiple application workloads can be consolidated for cost savings. All models in the VSP 5000 series are backed by the industry's most comprehensive 100% data availability guarantee to ensure that your operations are always up and running. Hitachi Remote Ops monitoring system and Hitachi Ops Center Analyzer enable industry-leading uptime.

Experience the industry's most comprehensive 100% data availability guarantee.

Discover more.

Aging Infrastructure Can't Keep Pace With Digital Transformation

Challenges to digital business initiatives include sprawling storage resources that operate in silos, slow response times that frustrate users, inadequate security, and lengthy deployment processes for new IT services. VSP 5000 series was designed to meet these challenges head-on.

Application Performance

The VSP 5000 series is the best choice for application performance with response times as low as 39 microseconds.

Meet performance service levels with confidence and delight your application owners, business partners and customers.

Enhanced Capacity Efficiency

Adaptive data reduction (ADR) is enhanced by the new Compression Accelerator Module, allowing you to consolidate more data, reduce storage footprint and control costs. ADR offers selectable compression and deduplication for all media, which can be enabled at a volume level, making the system tunable.

With a sight unseen data reduction guaranteed of up to 4:1, you save on not only capacity purchases but also floor-space consumption, utility charges and support costs.

Resiliency You Can Rely On

Leveraging hot-swappable components, nondisruptive upgrades and outstanding data protection, the VSP 5000 series offers complete system redundancy and is backed by our 100% data availability guarantee. Quadruple redundancy protects against failures even during routine maintenance.

Built on legendary Hitachi reliability, the VSP 5000 series is designed to ensure that your mission-critical operations are always up and running.

Optimize Operations With Artificial Intelligence

All VSP systems are packaged with Hitachi Ops Center Analytics. Our AI-powered solution constantly analyzes telemetry to optimize application performance and prevent extended outages. It works with Hitachi Ops Center Automator to maintain best practices and quality of service (QoS).

Manual administrative tasks are streamlined and implemented with fewer errors, speeding addition of new applications and expansion of existing applications.

Simple, Easy-to-Use Management

The VSP family can be set up quickly and managed with ease using Hitachi Ops Center Administrator and its intuitive graphical user interface. REST APIs allow integration with existing toolsets and automation templates to further consolidate management tasks.

Reduce complexity of steps needed to deploy, monitor, and reconfigure storage resources to centralize administrative operations.

Protect Your Data from Unauthorized Access

All VSP 5000 series models are hardened to prevent any leaks of physical data and unauthorized system access. Additional measures are available to ensure quick recovery from ransomware attacks.

Reduce the threats to your organization's reputation and potential liability from data breaches. Meet compliance regulations for data security.

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

As businesses evolve, it is critical that their data insights are used to address new customer markets. By combining analytics, automation and data protection, Hitachi is uniquely positioned as an end-to-end solution provider. The VSP family's core functionality allows organizations to automate data-center operations and extract data insights.
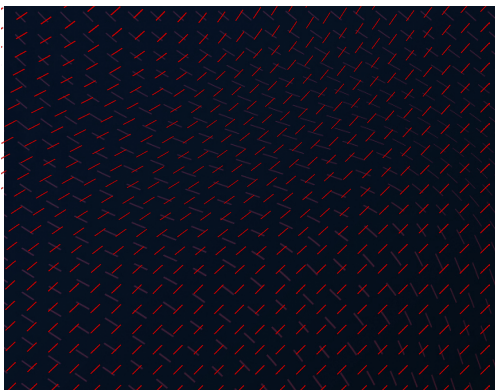
Virtualized Storage Management and Monitoring
Consolidate existing silos and simplify IT by virtualizing all storage under a single pane. External storage systems benefit from the data services that the VSP 5000 series delivers, including data reduction, metroclustering and automation.

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 across multiple data centers, global-active device offers zero downtime: Performance stays high, even when data protection is running.

With response times as low as 39 microseconds, the VSP 5000 series has been optimized to accelerate application performance to new levels.

Performant, efficient, and reliable Enterprise Storage

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 our legendary reliability, the VSP family is designed to provide 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.

To learn more about how the Hitachi Virtual Storage Platform family can benefit your organization, contact your Hitachi Vantara representative or visit our VSP 5000 series webpage.

We Are Hitachi Vantara

We guide our customers from what's now to what's next by solving their digital challenges. Working alongside each customer, we apply our unmatched industrial and digital capabilities to their data and applications to benefit both business and society.

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