Solution Brief

Modernize Your Mainframe Storage

Modernize, Optimize & Secure Your Mainframe Storage to Achieve Agility and Innovation

Hitachi Vantara delivers a modernized approach to mainframe storage that bridges the gap between legacy systems and cloud technologies.

The Virtual Storage Platform (VSP) offers seamless integration, enhanced performance, scalability, efficiency, and rock-solid reliability — empowering your mainframe workloads like never before.

Storage Solution for Mainframe Environments

Our enterprise storage solution for mainframe environments is the Virtual Storage Platform 5000 series, trusted by thousands of customers globally, including some of the largest financial, government and healthcare institutions in the world. The Hitachi Virtual Storage Platform (VSP) 5000 Series offers the most advanced and reliable storage solution for mainframe environments. Designed to deliver unmatched scalability, performance, and resiliency, it supports the complex demands of mission-critical mainframe workloads.

- **Industry's first, best and most trusted 100% data availability guarantee**
- **Hitachi remote support operations bring 40+ years of knowledge to predict and prevent downtime**
- **Enterprise class storage with an industry benchmark for active-active metro clustering as well as trusted business continuity**
- **Hitachi Virtual Storage Platform uptime is greater than 99.999999%**
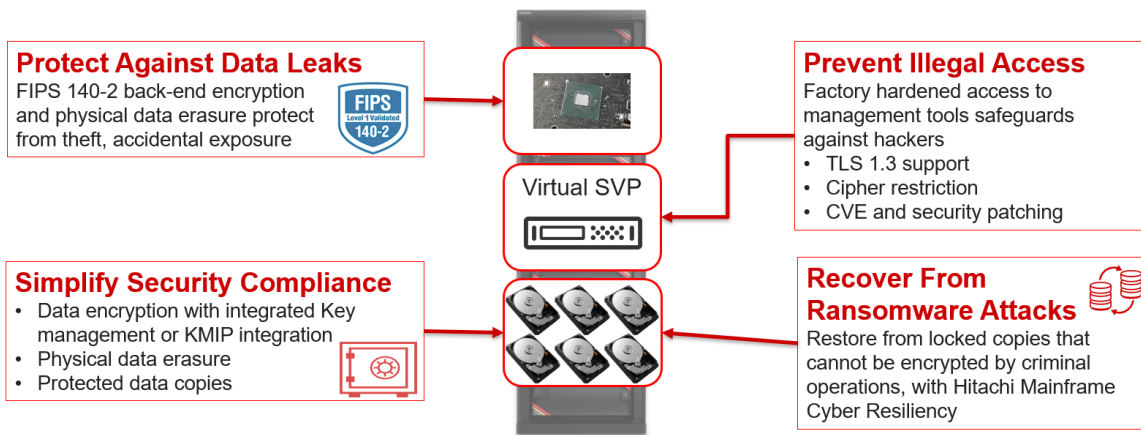
Key Product Features

- **Performance**: With up to 33 million IOPS and latency as low as 39 microseconds, (open systems figures) so you will experience faster response times, boosting business outcomes.
- **Resiliency**: Built for 99.999999% availability, VSP 5000 ensures uninterrupted access to your critical data, making it ideal for high-availability mainframe workloads.
- **Efficiency**: Consolidate and streamline your storage infrastructure with non-disruptive upgrades and adaptive data reduction, maximizing both performance and storage capacity.
- **Capacity**: Scale effortlessly with up to 69PB of capacity and flexible support for NVMe, SAS, and HDDs to meet the dynamic needs of mainframe environments.
- **Data Protection**: Enjoy comprehensive data services, including snapshot, replication, and deduplication, all while maintaining consistent performance.

Hitachi Vantara Virtual Storage Platform Uptime is
99.999999%

Product Benefits

Safeguard your mission critical business data with ransomware protection specifically designed for mainframe environments.

Our Mainframe Cyber Security Solution revolutionizes the way you store and manage your mainframe data. With our innovative approach, you can consolidate workloads from multiple storage systems into the Fortress, enhancing your data management capabilities. This solution allows for seamless data restoration even in the absence of primary storage. Plus, the Fortress can be located up to 100km away from your primary storage or the restoration site, ensuring flexibility and security for your critical data.

Protect Against Data Leaks
FIPS 140-2 back-end encryption and physical data erasure protect from theft, accidental exposure

FIPS Level 1 Validated 140-2

Prevent Illegal Access
Factory hardened access to management tools safeguards against hackers
- TLS 1.3 support
- Cipher restriction
- CVE and security patching

Virtual SVP

Simplify Security Compliance
- Data encryption with integrated Key management or KMIP integration
- Physical data erasure
- Protected data copies

Recover From Ransomware Attacks
Restore from locked copies that cannot be encrypted by criminal operations, with Hitachi Mainframe Cyber Resiliency

Optimize and simplify your mainframe storage with high-performance solutions, enabling your business to transact and make decisions more quickly.

- *"World's fastest storage array"*
- *"Delivers best-in-class performance"*
- *"Delivers best-in-class resiliency"*
- *"100% data availability"*
- *"Average 40% reduction in storage TCO"*
- *"Up to 60% more efficient data storage"*

Key Product Specifications

VSP 5600 is the Storage Solution for Mainframe Workloads.

Hitachi Virtual Storage Platform 5600

Performance (IOPS)	33M (Open Systems)
Performance (Latency)	as low as 39µ
Performance (Bandwidth)	312GB/s
MAX. Raw Internal Capacity	69.3PB (30TB SSD)
MAX. Raw External Capacity	287PB
Data Availability	100% Guaranteed

Designed for Mainframes

With over 40 years of expertise in mainframe technology, Hitachi Vantara empowers you to embrace the future of mainframe storage with agility, efficiency, and innovation at its core. Our decades of experience combined with cutting-edge solutions ensure that your mainframe environment is optimized for modern demands, delivering performance, scalability, and resilience for the next generation of business challenges.

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.

Hitachi Vantara
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