

eBook

Solve the Six Biggest Data Storage Challenges

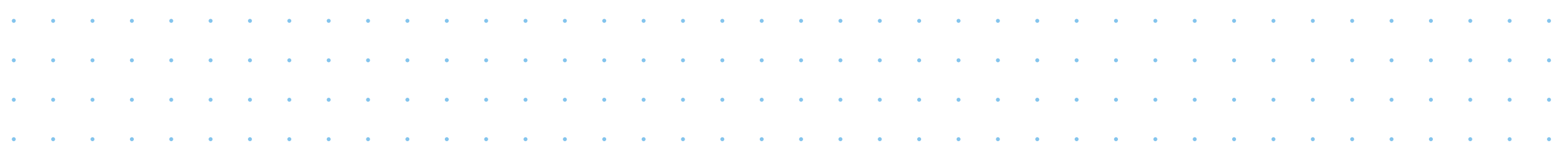


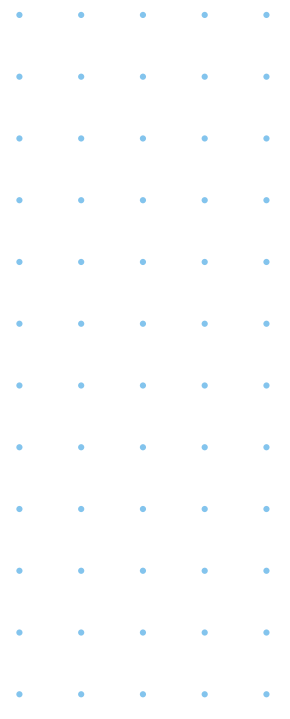
Introduction

Can your IT infrastructure team keep up with the demands of a distributed workforce and data hungry applications? Are you overwhelmed by maintenance tasks and struggling to deliver IT projects fast enough, while you're continually challenged to be agile and "do more with less?"

It's time to rethink how you manage data storage.

It's time to move ahead with nimble, always-available storage that streamlines administration, scales as needed and reduces costs across the board.





Challenge 1

You're Human. You Have To Sleep at Some Point.

There are only so many hours in a workday. If you're not careful, your team will spend more and more of those hours managing and maintaining storage systems, with less time for strategic projects or supporting change. You either need to keep hiring, or help your team find new efficiencies.

Make Automation Work for You

Automation and AIOps tools with integrated recommendations can help manage ever-growing storage assets with fewer personnel, resources and human interaction.

Streamline Management Operations

Simplify administrative operations to quickly deploy and improve the ability to control, optimize and protect data storage services.

The Hitachi Vantara Advantage

- Reduce manual administrative tasks to give your team a break.
- Automate storage provisioning workflows to simplify and error-proof your infrastructure resource management.
- Optimize capacity and performance, and improve the speed of delivery with insights from machine-learning resources analysis.
- Gain IT operational insights to help optimize resource performance and improve utilization.



Challenge 2

You're Doing More and More With Less and Less.

You can't afford to let increasing storage demands slow your business down. But you also can't afford the time and cost of setting up new storage infrastructure. So, you're pushed to do more with less.

Premium Storage, Without the Premium Price Tag

World-class storage infrastructure (speed, capacity, low latency, high availability) is now accessible for companies of all sizes and budgets. Storage virtualization capabilities even allow you to get additional value from older storage infrastructure, without having to rip and replace.

Continuous Access to Data — Guaranteed

The 100% Data Availability Guarantee delivers continuous data access that keeps databases, applications and users online and productive.

The Hitachi Vantara Advantage

- Eliminate bottlenecks for data-hungry applications with NVMe.
- Maintain the pace of digital business with GUARANTEED data availability and 24/7 responsive infrastructure.
- Gain better management control to simplify delivery of data services for your business applications.
- Ensure low latency service levels are met and rapidly troubleshoot problems with telemetry metrics analysis across the data path, from virtual machine to shared storage resources.
- Align infrastructure to your unique needs with the Hitachi Vantara portfolio of hybrid-flash, all-flash and NVMe arrays.



Challenge 3

“Keeping Up” Won’t Cut It Anymore.

Once routine tasks are under control, you need to keep them under control. But can your infrastructure keep up with accelerating demands and still support new digital transformation initiatives?

Future-Proof Your Storage Decisions

Future-proof your storage decisions with scalable, reliable infrastructure. Agility forms a foundation for confident business innovation.

Best in Class — Across Every Class

Hitachi Virtual Storage Platform (VSP) portfolio of hybrid, all-flash and NVMe storage gives you economical access to the latest technology to increase agility and drive innovation. In addition, unified data management provides AI-enabled operations to improve IT operational efficiencies, optimize performance and ensure your data is protected.

The Hitachi Vantara Advantage

- Start with up to 3.6PBe in a single 2U appliance and seamlessly scale up and out to 65 storage systems.
- Simplify storage management tasks with unified system administration.
- Advanced AIOps accelerate the speed of data management operations by letting your staff concentrate on areas that add value to the business.
- Choose a TLC or QLC solution.

Challenge 4

Your Staff is as Thin as Your Budget.

Your staff and infrastructure are stretched, but so is your budget. It's time to get creative about resource use to maximize ROI.

Raise the Bar, Not the Budget

For example, automation reduces operational personnel cost, virtualization improves the ROI of existing infrastructure, and data compression reduces infrastructure requirements.

Accelerate Resource Delivery

VSP One allows you to dynamically scale up or down as needed by applying technology solutions, and integrated AIOps management operations provide improved capacity and performance efficiency.

The Hitachi Vantara Advantage

- Accelerate new resource delivery by using automated provisioning workflows.
- Reduce IT operating budget waste by up to 20% by paying as you consume.
- Reduce storage costs with AI-driven data reduction that is guaranteed by Hitachi.
- 4:1 No Questions Asked Effective Capacity Guarantee extracts the highest value per GB and IOP.
- Lower TCO on existing assets and extend the life of aging systems with industry-leading storage virtualization.



Challenge 5

Chaos Is The Only Constant.

Data demands on your business aren't completely predictable, but your business relies on consistent service. Your infrastructure needs a way to flex with demand without breaking the bank.

Align Spending With Outcomes

Shift how you consume IT by aligning costs with actual usage and outcomes—reducing the risk of over- or under-investment.

Only Pay for What You Need

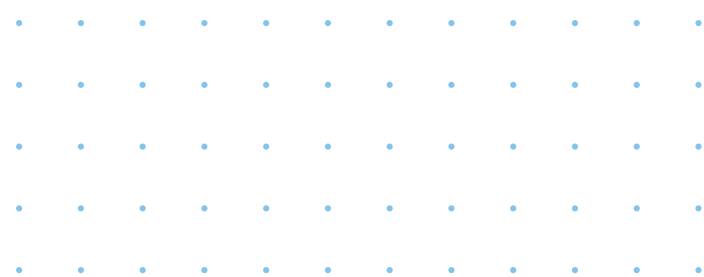
With the Hitachi EverFlex portfolio, get flexible, pay-as-you-go options for storage, monitoring, managed services, or storage as a service.

Reduce Risk and Address Skills Gap

Hitachi EverFlex uses predictive analytics to prevent disruptions and provides expert tools and automation to enhance team efficiency and confidence.

The Hitachi Vantara Advantage

- Pay-per-use consumption where you only pay for the infrastructure and storage you use when used.
- Dynamically scale your available infrastructure up or down, based on business demands.
- Highly customizable solutions tailored to specific business needs.
- Options for continuous upgrades or “modern storage assurance” to storage hardware and software.
- Operational support to manage Hitachi and other third-party systems in the data center.
- Contractually agreed to SLAs that ensure reliable and predictable services.
- De-risk hybrid and multicloud environments, enabling seamless integration and management.
- Hands-free enhanced data protection as a service, including ransomware and disaster recovery.



Challenge 6

“Breaking News” Headlines Are Headaches.

Not all news is good news. You don’t want your business to be on the front page due to long-term outage or a data breach.

Protect Your Reputation and Your Data

Predictable performance, encryption of stored data and guaranteed availability help protect your uptime, data and reputation.

Safe and Secure at Any Scale

The Hitachi Virtual Storage Platform One family safeguards continuous operations for key applications and provides nonstop, uninterrupted data access and zero RTO and RPO goals.

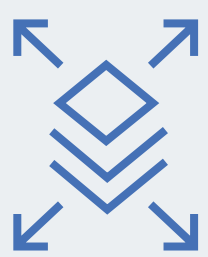
The Hitachi Vantara Advantage

- Reduce risks with secure, immutable storage volumes for improved cyber-resiliency.
- Mitigate data loss recover to the nearest recovery point using production data snapshots, not outdated backups.
- Reduce reinfection risk and get peace of mind with guaranteed clean data recovery post ransomware attack, unlike standard recovery SLAs.
- Maintain continuity and minimize downtime and RTO faster — in as little as 30 seconds per data snapshot, not hours.¹
- Our pioneering 100% data availability guarantee is available across the entire Hitachi Virtual Storage Platform portfolio.

¹ The Hidden Costs of Downtime report, Splunk and Oxford Economics.

Introducing Hitachi Virtual Storage Platform One

Hitachi Virtual Storage Platform One grows with your needs with storage solutions powered by a common storage operating system, common user experience and AI-driven management operations.



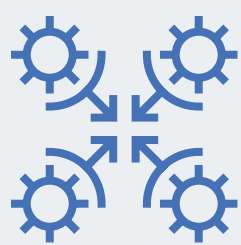
Simple

The all-flash NVMe design with always-on adaptive data reduction (ADR) technology makes it easy to pick your desired data capacity without any hassle.



Secure

Hitachi Thin Image Advanced eliminates threat exposure with always-available copies of production data and actively defends structured data against ransomware.



Sustainable

Intelligent power consumption with a sustainability dashboard provides clear visibility into energy usage and environmental impact.

VSP One Block

Hitachi Vantara has designed VSP One Block to deliver enterprise-class block storage for all mission-critical data workloads, from legacy databases to modern applications.

VSP 360

Unify management to improve data operations, observability and data lifecycle management. Lower costs, optimize data placement and eliminate the use of multiple management tools to enable IT teams to accomplish more with less..

Storage Virtualization Operating System

All VSP systems include Hitachi Storage Virtualization Operating System (SVOS) providing common data services for delivery of 24/7 application availability with best-in-class storage performance and reliability.

We Are Hitachi Vantara

Let Hitachi Vantara and our partners help you accelerate transformation with the storage portfolio made for what's next. No matter what type of data, application or business, you can trust Hitachi Vantara comprehensive storage solutions.

Find out more information on Midrange Storage.



Hitachi Vantara

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.