Rewrite the Rules of Data Storage

With Game-Changing Enterprise Storage from Hitachi Vantara

Tear up yesterday's data infrastructure rules with the solution that is defining tomorrow's: **Hitachi Virtual Storage Platform 5000 series.**

HITACHI
Inspire the Next

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The Data Infrastructure Game is Changing

Why? Because the enterprise game is changing.

Today's organization has to be faster, leaner, and more agile to compete and win. To squeeze more and more performance, efficiency, and productivity from less and less resource to stay on top. To modernize, evolve, and make the right digital pivots at the right times to stay relevant.

In short, you must transform today's organization into tomorrow's.

Data is critical to that equation. Data performance and the speed of provisioning storage. Data accessibility and availability. Data reliability and total cost of ownership (TCO).

This demands a new kind of data storage environment, an environment you can have confidence to perform with today's and tomorrow's workloads. VSP 5000 series is a new way of thinking about and managing data storage. It's a game-changer which rewrites the traditional rules of data dynamics and empowers IT teams to not only

keep pace with the fast-evolving infrastructure curve, but get ahead of it.

VSP 5000 series is a platform that helps you leave behind the constraints of legacy data storage, and therefore the legacy data center. Brought to you from a vendor who knows your business.

Hitachi Virtual Storage Platform (VSP) 5000 series meets these demands.

This e-book explains exactly how.

> *"I have been a Hitachi storage solutions customer for 15 years – their platform has been a game changer for me and my organization."*
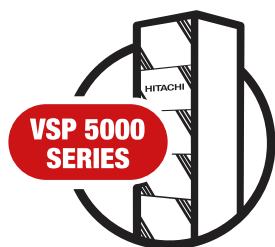>
> **Scott Crowder,**
> **Senior Vice President and CIO,**
> **BMC Software**

VSP 5000: The Competitive Edge

The data climate in which today's federal agencies find themselves operating is as challenging as it is unforgiving. And for a number of reasons.

Because of the extraordinary volumes of data now being generated – more than at any other time in history.

Because the pressure and complexity of processing, managing, storing, and leveraging that data for operational gain is greater than ever.

VSP 5000 SERIES

All This is Overlaid by an Emergence of New:

- Workloads

- Ways of working

- Regulatory and compliance burdens

- Demands for higher performance, scalability, and capacity...

- ... and faster, better analytics, insights, and decision making

It's clear. To stay relevant, and maintain a competitive edge, you need proven, best-in-class data storage performance. More availability. Faster provisioning. Harder working IOPS.

Workable, real-world AI and machine learning capabilities. Firm foundations upon which to build a fully integrated, automated, transformational, future-proof data architecture.

The solution?
A hybrid cloud solution underpinned by Hitachi Virtual Storage Platform (VSP), Hitachi Content Platform (HCP) and Hitachi NAS Platform (HNAS) clusters.

Read on to discover how Hitachi Virtual Storage Platform 5000 can help you rewrite your data storage rules...

HITACHI VSP 5000 SERIES:

- **Accelerates** provisioning by up to a factor of 7

- Is **1.4 x faster** than its closest competitor in IOPS benchmarking

- Delivers **100% data** availability. Guaranteed.

- **90% faster** provisioning

- **Incorporates** unmatched AI and machine learning capabilities

- **4:1** Effective Capacity Guaranteed

NEW RULE #1:

The World's Fastest Storage - No More Slipped SLAs

Hitachi VSP 5000 series enables high levels of automation, improving responsiveness and reducing the excess time teams commonly spend executing routine tasks.

It further optimizes operations and accelerates IT service delivery by enabling powerful analytics; gathering, collating, and blending data from every system and platform across the enterprise.

It also automates data governance and security policies to ensure data protection and compliance on a massive scale. In short, Virtual Storage Platform 5000 series means that IT services can be deployed more quickly, easily, and efficiently, empowering IT teams to meet internal and external SLAs with total reliability, while freeing up the time they must usually spend simply keeping the lights on so that they can focus on more strategic, high-value tasks.

THE NUMBERS

1.4 x faster
than **Dell and IBM**

38% faster
dedupe performance improvement

Up to
70% reduction
in **storage management tasks**

Can save
2,000+ hours
per month

Up to
7 x faster
to **provision**

Industry-leading
99.999999%
availability

NEW RULE #2:

True IT Freedom with Hitachi Ops Center

Reducing manual tasks by up to 70%, Hitachi VSP 5000 frees up your resources and allows your IT teams to get more done in less time and not only meet, but exceed vital delivery metrics and expectations.

It automates the provisioning of the entire data path, simplifying and error-proofing infrastructure resource management, optimizing performance, and further boosting the speed of delivery via AI and machine learning analytics and insights.

THE NUMBERS

Proven best-in-class performance

Up to
7x faster
to provision

100% **data availability.** Guaranteed.

1.4 x faster
than leading competitor
in IOPS benchmarking

Up to
90% **faster**
provisioning

NEW RULE #3:

Higher Performance and Availability with Lower TCO

The need to manage more and more of the modern, data-driven applications upon which successful business operations now rely, and the increased workloads that generates, is invariably placing a major strain on IT operations and resources.

Streamlining application resource delivery and tiering data storage to simultaneously boost data performance, availability, capacity, and cost control, Hitachi VSP 5000 series dramatically eases that burden.

THE NUMBERS

3 to 5 **times**
higher performance

60%
capacity savings

Guaranteed
reductions
in storage costs...

... driving a **40**%
reduction in storage
TCO on average

NEW RULE #4:

Enough Time and Capacity for More than Just Day-to-Day Tasks

Hitachi VSP 5000's advanced automation and analytics tools empower IT teams to get more done in less time, in intuitive new ways, and free up time for more strategic projects and higher-value activities.

The platform's common OS, deployed across all storage systems, reduces the need for new-skills training too.

THE NUMBERS

The world's most **scalable array**

up to **69** petabytes

The world's **fastest NVMe flash array**, up to **21M IOPs**

2,000+ hours per month in time savings

Manual storage management steps **reduced** from **30 to 8**

Up to **70**% **reduction** in storage management tasks

NEW RULE #5:

Maximized Infrastructure Advantage for Enhanced Efficiency and Productivity

With the number of critical applications and services you must deliver growing, along with the complexity these apps carry with them, more and more organizations are encountering related performance issues, and have limited budgets with which to resolve them.

VSP 5000 is the perfect infrastructure upgrade in such a scenario.

- Support modern, data-driven applications.

- Align IT strategy and deployments to missions and goals.

- Satisfy shifting security, regulatory, and contractual requirements.

- Simplify operations to reduce complexity and drive innovation.

- Balance mission and technology goals against budgets.

NEW RULE #6:

Disruption, Dispatched

Given the pressures and time constraints IT teams now face, you need to keep technology learning curves and disruption to an absolute minimum.

Hitachi Virtual Storage Platform (VSP) 5000 represents the fastest, simplest way of upgrading and modernizing without disrupting productivity flow.

Offering best-in-class performance, capacity, and open, multi-vendor storage virtualization, VSP 5000 series helps your organization ingest data from multi-vendor, multi-tenant, cloud-connected storage platforms and seamlessly integrate it into your existing data environments.

It also helps you migrate rapidly from legacy technologies with near-instantaneous failover and recovery capabilities.

THE NUMBERS

Upgrade without **downtime**

Average 30% faster non-disruptive migration

Industry-leading
99.999999%
data availability

From Edge to Core to Cloud: Transformed Data Game, Transformed Enterprise

Ready to take a closer look at the world's fastest NVMe flash array?

With its truly unique transformative performance capabilities, Virtual Storage Platform 5000 is already helping enterprises across every industry to overcome even their most complex data challenges, to maximize productivity, and to outperform the competition.

- Reinvigorate IT infrastructure to support modern, data-driven applications.
- Closely align technology strategies and deployments with mission goals.
- Satisfy and outstrip security, regulatory, and contractual needs.

- Simplify operations.

- Reduce complexity.

- Balance mission and technology goals against budgets.

- Drive organizational maturity and growth.

"My team and I are seeing anywhere from 5:1 to 6:1 deduplication of storage assets. Having that ability gives us a lot more flexibility with regards to our capital dollars as well as optimization of our overall private cloud infrastructure – a significant investment of over 150,000 virtual machines and containers used in our research and development organization."

Scott Crowder, Senior Vice President and CIO, BMC Software

Learn more about Hitachi Virtual Storage Platform

Learn more

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