

Consolidate and automate more business-critical workloads, backed up by the industry's most comprehensive 100% data availability guarantee.

DATA SHEET

Hitachi Virtual Storage Platform G Series Hybrid-Flash Cloud Solutions

Modernize Your Data Center With an Agile Hybrid-Flash Infrastructure

As the number and types of workloads that enterprise data center teams support have increased, so have the demands on the underlying storage infrastructure.

The benefits of adopting hybrid-flash solutions include extracting the maximum value from applications. These solutions must be agile enough to support cloud initiatives, containerized workloads and even utility consumption models that reduce upfront costs. Storage also needs to be supported by analytics and automation tools that simplify operations and free staff to focus on architecting solutions that drive the company forward. Without these things, costs escalate, and operations are inefficient.

With our enterprise hybrid-flash arrays, Hitachi can help. Hitachi Virtual Storage Platform (VSP) G series systems run up to two times faster, consolidate more workloads and enable a cloud-first strategy for data center modernization. Systems are backed with the industry's most comprehensive 100% data availability guarantee, superior data protection services and best-in-class cloud analytics.

Enterprise Scale and Efficiency

VSP G series enables the seamless automation of the data center with a broad range of efficiency technologies that improve return

on investment (ROI) by delivering maximum value and making ongoing costs more predictable. It allows organizations to focus on strategic projects and to consolidate more of their workloads while using a wide range of media choices.

VSP G series delivers up to 4.8 million IOPS at a better \$/IOPS efficiency (see Table 1). These features along with built-in quality of service (QoS) for controlling workload-specific performance limits, high-capacity storage media, and the ability to place data on the optimal performance tier, support higher workload consolidation than ever before.

All VSP G series models have a true symmetric active-active controller design, which reduces the cost and complexity of path management. Other arrays only let one controller access data at a given time, but these models access data volumes via host ports on any controller to prevent wasted capacity. VMware users can activate the round-robin policy for better network usage.

Modern Data Protection

To protect the lifeblood of your business, safeguard data and ensure positive customer experiences, Hitachi enterprise storage is backed by the industry's most comprehensive [100% data availability guarantee](#). Built on legendary Hitachi reliability, VSP G series offers complete system redundancy by leveraging hot-swappable components, nondisruptive updates and

outstanding data protection. The VSP G series is the best choice for hybrid-flash storage operations that need to stay up and running.

Systems are also backed by our Hitachi Remote Ops monitoring system and its analytics capabilities, bringing 28 years of recorded experience to proactively support your infrastructure. By looking at all performance and support detail from all our Remote Ops customers, we can predict when an issue might arise and proactively take action to mitigate downtime.

Advanced metroclustering with global-active device is available to enable robust business-continuity solutions among multiple data centers. A feature of Hitachi Storage Virtualization Operating System (SVOS) RF, global-active device offers zero downtime and data loss protection. It can be paired with VSP G series asynchronous replication for true, enterprise-level, 3-data-center protection. And SVOS RF ensures high performance, even when data protection is running.

IT Economics

Hitachi Vantara hybrid-flash cloud platforms lower costs by tailoring payments to help improve ROI and align with budgets. Our flexible offerings enable you to upgrade and refresh when you need to improve life-cycle management.

AI-Optimized Operations

Managing and maintaining a data center infrastructure takes time and can leave few cycles available to architect tomorrow's solutions. To free up time for driving innovation, Hitachi offers AI operations software that monitors the infrastructure for you.

All VSP G series solutions include Hitachi Ops Center Analyzer and AI-powered analytics "out of the box." Unlike other solutions that monitor only storage, Ops Center Analyzer provides real enterprise analytics, constantly analyzing telemetry data across hypervisor, server operating system, network and storage, to optimize application performance and prevent extended outages. Optional built-in analytics enable budget planning and forecasting, delivering the best customer experience available. For companies where security is critical, Ops Center Automator can run on the premises only. This gives you superior insights without the need to send data off-site.

To simplify management and prevent errors that impact performance and uptime, the VSP G series can be paired with Hitachi Ops Center Automator. Ops Center Automator software orchestrates management of virtual machines (VMs), network zoning, storage and data protection to accelerate deployments. It also integrates with IT service management tools as well as Ops Center Analyzer and Ops Center Protector to simplify change management beyond what other vendors offer.

Simplify Modernization

VSP G Series systems come packaged with a rich set of value-added software, and new packaging makes it easy to add advanced features. The Foundation software package includes SVOS RF, local and remote replication as well as data mobility for nondisruptive data migration. It also includes Ops Center Analyzer and Protector software for enterprise data resiliency. The Advanced package includes everything in Foundation package, plus, Global Active Device (GAD) metroclustering and Ops Center Automator.

For more agility, combine any VSP model with Hitachi NAS Platform gateways for file storage or Hitachi Content Platform for object storage. Or, they can be part of a converged solution in Hitachi Unified Compute Platform.

Think of a fully automated end-to-end cloud that has workload protection, predictive analytics, live multisite capability and agnostic workload automation. When integrated directly with a customer's ticketing solution, VSP G series systems are an enterprise game-changer!

VSP
Software
Packages
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READ

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