

Modernize data center management and operations with easy-to-order software packages that provide industry-leading analytics, automation, protection and provisioning, all at a superior value.

DATASHEET

Foundation and Advanced Software Packages for Hitachi Virtual Storage Platforms

Achieve Operational Efficiency Through Advanced Management, Analytics, Automation and Protection

Select the level of modernized data center management, operations and protection your organization needs. Choose the foundation package or the advanced package for Hitachi Virtual Storage Platform (VSP) systems. (See package details at a glance in Table 1.)

Foundation Package

This package comes standard with the VSP F series and VSP G series¹. It combines the core Hitachi Storage Virtualization Operating System RF (SVOS RF) with important Hitachi Vantara software titles that maximize return from IT investments while safeguarding against common forms of data loss and downtime.

For businesses looking to implement advanced data center analytics and local snapshot cloning to accelerate business initiatives, the foundation package is a must. When compared to packages from other vendors, the foundation package can save organizations over 33% on IT acquisition costs.

Core SVOS RF: Improve Efficiency and Agility

This flash-optimized, multithread operating system powers Hitachi VSP storage systems. The core SVOS RF comprises key technologies for enterprise data management, including: thin provisioning, adaptive data reduction and Hitachi Accelerated Flash (HAF) for scalable flash performance. It includes storage virtualization that allows SVOS RF to consolidate and virtualize over 100 different types of storage arrays for superior IT efficiency.

SVOS RF:
Boost
Operational
Efficiency

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Hitachi Storage Advisor: Simplify Operations

Reduce the time and complexity of managing VSP arrays with this easy-to-use, wizard-driven management application. Hitachi Storage Advisor centralizes configuration control of multiple VSP systems and provides at-a-glance monitoring of system capacity and health. REST-based APIs enable VSPs to also be managed from your favorite management application, further simplifying IT operations and integration.

Local Replication: Protect and Accelerate Business

Hitachi Local Replication provides snapshots and local mirroring to protect and accelerate copy creation and use.

Snapshots create space-efficient, point-in-time backups to protect against data loss. Local mirroring increases protection by creating a secondary copy of data on the array. To accelerate business processes, snapshots can be cloned for business reporting (to make smarter decisions), dev/test (to design new offerings) and rapid system roll out [gold images for virtual desktop infrastructure (VDI)].

Hitachi Data Instance Director: Modern Data Protection

Hitachi Data Instance Director (HDID) software automates and orchestrates a broad range of data copy and movement technologies to deliver enterprise-level copy data management services. Recovery copy services support local and remote recovery requirements, using modern data protection techniques. Agile copy services automate and control the repurposing of data copies for secondary business efforts. And governance copy services enable the use of backup data for discovery and analytics operations.

Analytics: Monitor, Identify and Resolve IT Events

Hitachi Infrastructure Analytics Advisor (HIAA) includes Hitachi Data Center Analytics (HDCA) software to monitor and analyze your data center at scale with machine learning insights. This software helps you to optimize services levels,

¹ The foundation package is the standard software package for the VSP G350, VSP G370, VSP G700 and VSP G900 storage systems. For the VSP G1500, the foundation package is recommended.

pinpoint problems and predict when and where upgrades are needed. It also aids in troubleshooting issues, so you can fix problems faster. With superior insights into hypervisors, servers, SAN networks and multivendor storage, IT staff can properly plan for new resource needs while delivering a better overall customer experience. HIAA can be combined with Hitachi Automation Director (HAD) for Artificial Intelligence (AI) Operations management practices.

Data Mobility: Optimize Performance and Efficiency

Hitachi Data Mobility software automatically and transparently moves data across tiers of storage, maximizing application performance while minimizing costs. Support for different storage media, configurations and virtualized third-party arrays lets you meet a broad range of price-performance objectives and easily migrate off older, slower storage arrays. Nondisruptive migration² enables rapid transition from older to newer Hitachi storage without interrupting hosts.

Advanced Package

For enterprise organizations with demanding uptime requirements, advanced scaling needs and complex data center operations, Hitachi Vantara offers the advanced package for the VSP F series and VSP G series. Remote replication and metroclustering software enables delivery of continuous, scalable data access. Intelligent automation software enables provisioning of resources at the click of a button, reducing operational overhead and misconfigurations that can jeopardize service level agreements (SLAs). With these capabilities, the advanced package delivers significant value at a price that is up to 50% lower than competitive offerings.

The advanced package includes all foundation package products and features, and adds the following three software products:

TABLE 1. HITACHI SOFTWARE COMPONENTS FOR FOUNDATION AND ADVANCED PACKAGES

Foundation Software Package	<ul style="list-style-type: none"> ■ Storage Virtualization Operating System RF core functionality, including Universal Volume Manager for storage virtualization. ■ Storage Advisor for simple, GUI system management. ■ Local Replication for snapshots and cloning. ■ Data Instance Director* for copy management and data protection. ■ Infrastructure Analytics Advisor* for data-center-wide, AI-powered insights. ■ Data Mobility for tiering between storage arrays and media types.
Advanced Software Package**	<p>This package builds on the foundation package and adds:</p> <ul style="list-style-type: none"> ■ Remote Replication (Universal Replicator and TrueCopy) for disaster recovery. ■ Global-active device for business continuity and metro clustering. ■ Automation Director* for data-center-wide workflow automation and orchestration.

*Specific licensing details are available from your Hitachi representative.
 **Individual products are available a la carte.

Hitachi Remote Replication – Extended: Business Continuity

Remote replication includes asynchronous replication for long distance, disaster recovery and synchronous replication for metropolitan-area recovery with zero data loss. When combined in a 3 data center configuration, these technologies provide maximum business resiliency.

Global-Active Device: Nonstop, Scalable Data Access

The global-active device feature creates an active-active metro cluster that spans up to 500km. All changes to data are mirrored in real-time for nonstop, uninterrupted data access. Unlike other solutions, global-active device provides read and write access to both sides of the cluster for scalable application performance.

Hitachi Automation Director: Reduce IT Time and Risk

Hitachi Automation Director automates infrastructure provisioning workflows and management operations for consistent, error-free delivery of IT resources to business applications. With application-specific templates and intelligence to optimize flash resource delivery, HAD reduces operational overhead by 70%, improves resource utilization and prevents errors that can cause teams to miss SLAs. HAD can be combined with Infrastructure Analytics Advisor for AI Operations management practices.

For more information about the foundation and advanced software packages for [Hitachi Virtual Storage Platforms](#), contact your Hitachi Vantara representative. Or, click here to see [Hitachi Vantara data center management software](#) or [data protection software](#) offerings.

² Nondisruptive migration requires services from Hitachi Vantara Global Services Solutions (GSS) to assist in any data migrations.

Hitachi Vantara

Corporate Headquarters
 2845 Lafayette Street
 Santa Clara, CA 95050-2639 USA
www.HitachiVantara.com | community.HitachiVantara.com

Contact Information
 USA: 1-800-446-0744
 Global: 1-858-547-4526
HitachiVantara.com/contact

