A Unified Platform for Enterprise Data Protection and Management

Hitachi Data Systems has partnered with CommVault to deliver Hitachi Data Protection Suite (HDPS), a comprehensive platform for solving difficult data management challenges, including:

- Backup and recovery of a wide range of system, application and virtualized environments.
- Automation and orchestration of hardware-based snapshot and cloning to quickly protect and recover critical applications and large databases.
- File and email archiving, with search and e-discovery, to meet corporate governance and compliance requirements for data retention.
- End-point protection and self-service recovery for desktops and laptops.
- Off-site replication for cost-effective disaster recovery.

HDPS is built on CommVault Simpana 10, the fastest growing solution on the market for several years, and ranked as a leader in the Gartner Magic Quadrant for Enterprise Backup Software and Integrated Appliances¹.

Each of these capabilities is built on a common code base and shares a common management console, dramatically simplifying administrative processes when compared to competing enterprise-class offerings.

With the latest release of our breakthrough Hitachi Data Protection Suite software, Hitachi Data Systems can help you protect, manage and access information like never before. So you can face the future with greater confidence and competitiveness.

Yes, data is growing exponentially. And yes, technologies like cloud, virtualization, mobility, bring your own device (BYOD), and a movement toward a shared services model continue to present new challenges.

But new challenges are what progress is all about. And Hitachi Data Systems has proven that the key to meeting the challenges of today and tomorrow is to anticipate and innovate. It’s time to discover how HDPS can help transform your organization and not only take control of your information, but also make it available for positive exploitation.

**Hitachi Data Protection Suite**

Organizations worldwide have discovered the value of managing data and information through a single platform, thanks to Hitachi Data Protection Suite (HDPS) (see Figure 1).

This powerful software solution can help you:

**Take Control**
Hitachi Data Protection Suite was designed to enable all functions to share a single code base and revolutionary back-end technologies. Through a single pane of glass, you can view, manage and access all functions and all data across your enterprise. Our console is simple, efficient and comprehensive. So it requires less time, labor and budget to operate.

**Simplify Management**
With Hitachi Data Protection Suite, you can protect and manage data from virtual and physical servers, applications, storage-based snapshots and replication, NAS shares, cloud-based infrastructures and mobile devices, simply and easily.

**Automate Key Processes**
Hitachi Data Protection Suite enables policy-based automation, while role-based access ensures secure management. It also provides built-in alerts and reporting, for easier oversight of your data management operations.

**Streamline Operations**
With backup, archive and reporting built into a single platform, Hitachi Data Protection Suite performs these operations from a single collection of data. Plus, by leveraging built-in source-side deduplication, HDPS ensures that only unique data blocks are transferred over the network and stored on media.

**Ensure Accessibility**
All Hitachi Data Protection Suite managed data resides within a safe, efficient, intelligent and accessible virtual repository of all corporate data. You set the policies, and HDPS intelligently automates the process. Whether you need copies for disaster recovery or regulatory compliance, data within HDPS is secure, deduplicated and application-aware, available when you need it.

And now HDPS is more secure, capable and accessible than ever.
Hitachi Data Protection Suite: A Common Platform

Hitachi Data Protection Suite software delivers the unparalleled advantages and benefits of a holistic approach to data management. It is one product that contains several data management modules that share a common code base.

Leveraging the strengths of this “common” platform, each module, licensed and deployed by itself or in combination with others, delivers unsurpassed feature-for-feature performance against alternative point-level solutions.

Select from the following modules to easily solve your most pressing data management challenges:

- **Backup and recovery with replication and archiving.** General-purpose, scheduled backup of a broad range of applications and operating environments. The protected data can then be replicated for disaster recovery or archived for long-term retention, both without further impact to the production systems.

- **Email protection and archive for Microsoft® Exchange, Microsoft Office 365™ and IBM® Lotus Notes®.** Automate retention and streamline search and discovery operations. Eliminate personal archives, which are difficult to monitor and search. Enable transparent end-user access to archived content. Employ advanced analytics to improve visibility and support decision-making processes.

- **Virtualized environment protection:** Flexible solution for virtual machine (VM) backup, VM archiving and cloud management. Choose the approach that’s right for you, and adapt as needs change.

- **Intelligent snapshot management:** Use the power of storage-based snapshot (Hitachi Thin Image) and cloning (Hitachi ShadowImage Heterogeneous Replication) technologies to eliminate the backup window, protect critical data more often, and restore fast. Application-consistent orchestration and automation eliminates the complexity of tedious script management.

HDPS offers exceptional levels of functionality, scalability, reliability, efficiency, performance, availability and automation. It is cloud-ready and provides enhanced business continuity and resiliency capabilities.

It is designed not only to protect data, but also to transform businesses like yours by turning managed data into an asset.

With HDPS, you can empower your organization with a modern IT infrastructure. From there, you can scale to a shared services structure. You can enable a mobile enterprise, dramatically increase productivity, and ensure the continuity of your business with efficient replication for disaster recovery.

Exactly how does Hitachi Data Protection Suite help you better protect, better manage, and better access your data? Let’s take a closer look.

**Protect**

Secure and archive data while reducing time, risk and cost. Data is the lifeblood of your organization. But before it can become an asset, it must be efficiently protected and archived. By blending advanced security technologies with the core capabilities of our single platform, Hitachi Data Protection Suite takes an exponential leap forward in protection.

**Leverage storage-based snapshot and replication.** The application-aware CommVault Intellisnap feature of Hitachi Data Protection Suite is tightly integrated with the Hitachi Thin Image snapshot and Hitachi ShadowImage Heterogeneous Replication technologies in Hitachi Data Systems storage systems. These systems include the Hitachi Virtual Storage Platform family and Hitachi Unified Storage VM. With this integration, key database applications can be protected faster and more frequently. At the same time, it eliminates the performance impact that traditional backup processes impose.

**Accelerate virtualization.** New features and enhancements for Microsoft Hyper-V®, VMware vSphere, and vCloud Director 5.1 environments include auto-discovery, protection and simplified management. These features were designed to help you eliminate data protection roadblocks and rapidly recover VMs from a hardware snapshot copy. Automatically discover, protect and retain VMs based on business value and need.

**Converge backup and archive operations.** HDPS integrates backup, archive and reporting into a single process that only captures new data one time from the source system. That process reduces hardware needs and lessens the impact on production systems so you can simplify administration and reduce the infrastructure required for unstructured data. Deliver “zero footprint archiving” by eliminating separate passes and data stores with a single collection, while providing granular recovery and streamlining Microsoft Exchange performance.

**Simplify disaster recovery.** Hitachi Data Protection Suite easily and efficiently replicates secure data to any location or cloud service, allowing for rapid disaster recovery scenarios at the click of a button. Cut disaster recovery costs and reduce recovery times with the ability to create and deploy business continuity plans quickly with new disaster recovery services that Hitachi Data Systems delivers.

**Manage**

Efficiently manage large-scale operations and shared services. With Hitachi Data Protection Suite, you can manage data protection and retention as a service for tens of thousands of workers, all from a single platform. As a result, you can spend less time on routine administration and more time delivering value to the business.

**Ready for the future.** The management features of Hitachi Data Protection Suite are...
optimized for enterprise IT and designed for cloud and shared services. They include new workflow automation features that increase the scale of operations and control of standard processes. Multitenant architecture and self-service operations help eliminate IT intervention and reduce calls to help desks with workforce access to files and emails through Web and mobile devices.

Highly scalable and resilient. Hitachi Data Protection Suite provides 4th-generation, grid-based deduplication technology that doubles protection and recovery performance, while increasing resiliency. Easily protect performance-intensive applications in growing and large enterprise environments. Automated failover between nodes doubles backup resiliency and helps enable zero downtime operations.

Access
Transform the way you discover, access and analyze information. HDPS empowers your global, connected workforce to securely share information from anywhere, boosting productivity organization-wide. It minimizes IT intervention, allowing more time to deliver strategic value to your business. At the same time, it allows your legal professionals to fulfill their discovery requirements quickly.

See it all. HDPS includes a secure information repository for all snapshot, backup and archive data. It offers massive scalability, a single management framework, and embedded intelligence about stored data. All data managed within HDPS is deduplicated, encrypted and placed on the most cost-optimized tier of storage, providing regulatory compliance based on priority, meaning or content.

Retrieve it faster. Hitachi Data Protection Suite provides media agents to enable an intuitive search experience with HTML previews of all intelligently indexed data. It allows you to search emails archived in HDPS directly from Microsoft Outlook®. You can also search and retrieve healthcare images and records (picture archiving and communications systems, electronic medical records and electronic health records). No 3rd-party applications are required.

Access it anywhere. Edge technology is an enterprise-class protection and access capability that helps accelerate workforce productivity for end users, IT organizations, compliance officers and legal teams. At the same time, it reduces risk. With it, you can empower end users with an efficient, reliable and transparent desktop and laptop protection solution. Edge technology delivers self-service access to personal data within the HDPS via new mobile apps, a Web-based console, and a Microsoft Windows® Explorer plug-in.

Hitachi Data Systems Vision
Hitachi Data Systems helps organizations transform raw data into valuable information by making it easier to manage and more accessible. We combine our systems, software and services to meet the needs and budgets of the most demanding companies. Our solutions include end-to-end virtualization, massive consolidation, data replication, archival solutions and the ability to scale up and scale out as business objectives require. Our solutions enable broad heterogeneous storage management, business continuity, backup and recovery, performance enhancement, data migration and data life-cycle management.

Learn More
The dramatic economic and operational value Hitachi Data Protection Suite software delivers can be only touched upon in a small brochure. We invite you to visit www.HDS.com, call (888) 234-5601, or join the HDS Community to start a conversation.

Hitachi Data Systems offers a common, virtualized platform for all data and information.

Our solutions manage data growth while they collect and connect data to create valuable information. They cut costs, reduce operational complexity and improve IT agility. They let people access, share and secure information. They help organizations innovate, collaborate and grow.

We combine our systems, software and expertise to meet the needs and budgets of the most demanding companies. Our solutions include end-to-end virtualization, massive consolidation, data replication, archival solutions and the ability to scale up and scale out as business objectives require. Our solutions enable broad heterogeneous storage management, business continuity, backup and recovery, performance enhancement, data migration and data life-cycle management.

HITACHI DATA PROTECTION SUITE BENEFITS

- Realize up to 50% faster backups, which dramatically shorten your backup window.
- Reduce administrative overhead by up to 80%.
- Lower aggregated annual support costs by up to 35%.
- Ensure protection for hundreds of VMs in minutes; full recovery is offered for any virtual machine in the set.
- Eliminate up to 90% of redundant data at the source.
- Slash deployment time by 30% using new automatic discover and deploy options.