

## Backup and Recovery

### Hitachi Data Protection Suite Software, Powered by CommVault®

Hitachi Data Protection Suite v9.0 provides the foundational backup and recovery features with which organizations can build a truly unified data management solution. These features support improved information asset management, speedier recovery of data and, ultimately, increased savings over loosely integrated legacy solutions.

## Backup and Recovery for Unified Data Management

Today, Hitachi Data Protection Suite software scales as seamlessly in multinational enterprises, with petabytes of front-end storage and tiered data protection needs, as it does in small businesses with only a few servers.

Hitachi Data Protection Suite v9.0 is a major milestone in the history of this revolutionary data management solution. Consider these factors as you evaluate how to modernize your data management strategy.

- **Unified Platform:** Hitachi Data Protection Suite continues to deliver the industry's leading backup and recovery capabilities within a truly unified platform. In the past, enterprise backup and recovery could be accomplished with a siloed approach. Today's storage environments have become too complex and change too rapidly to manage with native tools, loosely integrated software packages and disjointed processes.
- **Integrated Application and Database Protection:** Data Protection Suite automated, policy-driven SnapProtect capabilities support industry leading storage platforms and applications. Users can leverage existing storage investments to significantly reduce backup windows and speed recovery from any data protection tier.
- **Virtual Machine Environments:** Use SnapProtect with Virtual Server Agent (VSA) and a Media Agent (MA) to nearly eliminate the impact of backup processes on production servers. Specialized backup tools often miss the broader needs of heterogeneous environments. But Data Protection Suite, with its support for multiple hypervisors, helps users protect hundreds of virtual machines (VMs) in minutes and easily scales to thousands of VMs and physical servers.
- **Generation 3 (Gen 3) De-duplication:** Hitachi Data Systems was the first backup software provider to fully integrate data de-duplication into their solution. Data Protection Suite software's Gen 3 de-duplication capabilities can reduce data at the source, shorten the backup window and significantly reduce bandwidth requirements. Yet it also can work with key data management operations like archiving, search, encryption and direct recovery from de-duplicated tape.
- **Extensive Compatibility:** Data Protection Suite software is ideal for protecting today's demanding heterogeneous storage environments. It is compatible with most servers, storage systems, applications, databases and file systems. In Data Protection Suite v9.0 coverage has expanded to include: Microsoft® Exchange and SharePoint® 2010, Microsoft Windows® 7, Documentum, Linux file backup from IBM® OS/390® and zSeries®, extended HP-UX, SAP edition, Mandriva Linux and Ubuntu Linux.
- **Switching Simplified:** Hitachi Data Systems makes it easier than ever for Symantec NBU and IBM Tivoli® Storage Manager users to modernize their data management strategy. Data Protection Suite discovery agents can find and report on client assets, policy and job details. Legacy backup agents can be automatically converted to Data Protection Suite agents, eliminating many of the technical challenges associated with changes software. Finally, users can select capacity-based licensing and a variety of service options to make the switch even simpler.

## Key Capabilities

- **Cloud Storage Connectors:** Begin realizing the benefits of the cloud with confidence. Use the full suite of Hitachi Data Protection Suite software features in a cloud storage environment, knowing that data can be moved seamlessly as business requirements dictate.
- **Archive and Search:** Reduce the cost to store, manage and maintain your data. Automatically de-duplicate, encrypt, compress and move data to storage tiers that match its business value. An intuitive user interface and search tools ensure that data can be quickly converted into usable information.
- **Gen 3 De-duplication:** Improve your recovery point objective (RPO) and recovery time objective (RTO) with a better approach to de-duplication. Users of source side de-duplication can reduce backup times by more than 50 percent and achieve significant storage cost savings. Furthermore, Data Protection Suite software administrators can recover directly from de-duplicated data on disk or tape. This is an industry exclusive.
- **Global Reporting:** Focus team efforts on high priority activities. Data Protection Suite global reporting allows you to quickly identify the status of your data protection environment, where hot spots may be developing or where resources are being consumed.
- **Professional Services:** Augment staff, train your team or simply find solutions to unexpected problems. Hitachi Data Systems works closely with customers and partners to enable a right size and right cost option that supports Hitachi Data Protection Suite solutions and minimizes time to value.

## CAPABILITIES AND BENEFITS

- **Common Technology Platform** ensures that important features like de-duplication and encryption work seamlessly across both disk and tape to reduce cost, improve reliability and increase operational efficiency.
- **Virtual Server Protection** provides protection for hundreds of VMs in minutes and readily scales to thousands of VMs with easy to use, policy-based discovery, installation, backup and reporting tools.
- **Migration Tools** allow administrators to quickly and confidently move from legacy backup solutions like Symantec NetBackup and IBM Tivoli Storage Manager to achieve lower total cost of ownership (TCO) and more reliable data protection.
- **Central Management** securely manages information wherever it resides, whether it is in mobile workstations, remote offices, data centers, a recovery site or multiple cloud storage providers. Hitachi Data Protection Suite software is the industry's only truly unified data management platform that reduces management complexity and helps meet RTOs.
- **Capacity Licensing** allows organizations to pay for what is protected, no matter how complex the environment and software agents required: payment for data protection is dramatically simplified. Data Protection Suite also provides unprecedented visibility and ease of management. Graphic dashboards update staff daily on capacity usage, threshold warning and trending.

## Hitachi Data Systems Corporation

### Corporate Headquarters

750 Central Expressway  
Santa Clara, California 95050-2627 USA  
www.hds.com

### Regional Contact Information

**Americas:** +1 408 970 1000 or info@hds.com  
**Europe, Middle East and Africa:** +44 (0) 1753 618000 or info.emea@hds.com  
**Asia Pacific:** +852 3189 7900 or hds.marketing.apac@hds.com

Hitachi is a registered trademark of Hitachi, Ltd., in the United States and other countries. Hitachi Data Systems is a registered trademark and service mark of Hitachi, Ltd., in the United States and other countries.

IBM, OS/390, zSeries and Tivoli are registered trademarks of International Business Machines Corporation.

All other trademarks, service marks and company names in this document or website are properties of their respective owners.

Notice: This document is for informational purposes only, and does not set forth any warranty, expressed or implied, concerning any equipment or service offered or to be offered by Hitachi Data Systems Corporation.

© Hitachi Data Systems Corporation 2010. All Rights Reserved. DS-017-E DG October 2010