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Hitachi TrueCopy™ Remote Replication Software

for Hitachi TagmaStore™
Adaptable Modular Storage and
Hitachi Thunder 9500™ V Series
Modular Storage Systems

Partner Beyond Technology





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for everyday uptime improvement and rapid recovery in the event of an outage, Hitachi TrueCopy Remote Replication software duplicates data from one Hitachi storage system to another.

Hitachi TrueCopy Remote Replication Software—Protect Your Data Assets

In today's extremely competitive business climate, organizations must have the ability to move data to a secondary site that can take over critical application processing if the primary site is compromised. Quick recovery time is crucial, but traditional data recovery processes are labor-intensive and can take days.

Hitachi Data Systems provides innovative, storage-based technology solutions for enabling continuous business operations for all companies. Business continuity means partnering with you to understand your key business problems and requirements and providing robust, application-focused storage solutions that enhance operational efficiency and resilience.

Hitachi TrueCopy™ Remote Replication software is a key component for business continuity, helping you recover your data and enabling normal business operations to resume in a matter of minutes rather than hours or days. TrueCopy software provides a proven application-independent and host-independent data replication solution. Copies generated by TrueCopy software can be used for production, rapid recovery following an outage, disaster recovery, data warehousing and mining, or migration applications.

TrueCopy software for Hitachi TagmaStore™ Adaptable Modular Storage model AMS500 and Hitachi Thunder 9585V™ ultra high-end

modular storage systems provides a robust synchronous replication solution. TrueCopy software also can be integrated with Hitachi ShadowImage™ In-System Replication or Hitachi Copy-on-Write Snapshot software to enable robust business continuity solutions, helping you adopt best practices such as disaster recovery plan testing. The software provides organizations of all sizes with the ability to copy data over long distances by combining local clones created with ShadowImage software and data movement capabilities offered by TrueCopy software.

Business Benefits

Ensure Business Continuity

- ∴ Reduces recovery time dramatically by replacing slow and expensive tape-based restores with continuously available online copies
- ∴ Improves business resilience by enabling frequent, nondisruptive disaster recovery testing with an online copy of current and accurate production data
- ∴ Provides centralized, automated, and host-independent data mirroring for UNIX and Microsoft Windows environments over any distance (in combination with ShadowImage software)
- ∴ Reduces the frequency and duration of planned outage events, such as system maintenance and data backups

- :: Enables multiple, nondisruptive, point-in-time copies up to the point of an outage
- :: Facilitates compliance with government mandates and regulations

- :: Simplifies site maintenance and application development by replicating up-to-date data to a local or remote site
- :: Fully leverages data warehousing/data mining investments by replicating production information, locally or to a remote site

Improve Productivity and Processes

- :: Improves service levels by reducing planned and unplanned downtime of customer-facing applications
- :: Optimizes resource utilization by offloading processing and data to alternate systems
- :: Enables normal backup operations on a copy of up-to-date production data while critical applications continue to run unaffected

Prerequisites

Quick Start Service for Hitachi TrueCopy Remote Replication Software

This required service is available for both open systems and mainframe environments. It takes a collaborative, hands-on approach to help you with project planning for and installation and configuration of TrueCopy software across your enterprise storage environment.

Supported platforms	Hitachi TagmaStore™ Adaptable Modular Storage model AMS500 Hitachi Thunder 9570V™ high-end modular storage Hitachi Thunder 9585V™ ultra high-end modular storage
Required software	Hitachi Command Control Interface (CCI) software Hitachi Storage Navigator software
Synchronous mode	Yes
Asynchronous mode	Requires Hitachi ShadowImage™ In-System Replication software and professional services
Hosts cycles required	No
Remote connectivity	Fibre Channel IP via supported multiprotocol router and channel extenders
Paths	Dual paths are required (one per controller)
Number of pairs	AMS500: 2,046 Thunder 9570V: 510 Thunder 9585V: 2,046
Pair structure	1:1 (S-VOL per P-VOL)
RAID configuration	AMS500: P-VOL and S-VOL can be different RAID levels Thunder 9570V and Thunder 9585V: P-VOL and S-VOL must be same RAID levels
Supported RAID level	P-VOL and S-VOL: RAID-1+0, RAID-5, RAID-1 (ALL), RAID-6 (AMS500 only)
Drive types	P-VOLs can be composed of Fibre Channel or SATA (Fibre Channel recommended for P-VOL) S-VOLs can be composed of Fibre Channel or SATA
Host interface	Fibre Channel
Size of P-VOL and S-VOL	P-VOL = S-VOL
Consistency groups	Point-in-time, via ShadowImage and Hitachi Copy-on-Write Snapshot consistency groups

Legend/Footnote
P-VOL = Primary volume
S-VOL = Secondary volume

For more information regarding TrueCopy software capabilities for TagmaStore Universal Storage Platform and TagmaStore Network Storage Controller, as well as Hitachi Lightning 9900™ V Series enterprise storage systems, please see the separate data sheet at www.hds.com.

Complementary Solutions

Hitachi ShadowImage In-System Replication Software

The high-speed, nondisruptive, local mirroring technology of ShadowImage software rapidly creates multiple full-volume copies or clones of mission-critical information within all Hitachi storage systems while keeping data RAID-protected and fully recoverable—without impacting host service or performance levels.

Hitachi Business Continuity Manager Software

Business Continuity Manager software dramatically reduces recovery times from outages through the automation of complex disaster recovery and planned outage routines.

Business Continuity Consulting Services

Hitachi Data Systems offers three business continuity services to help you ensure continuous access to information across your enterprise. The services assess your current disaster recovery capabilities and business needs, analyze your areas of risk, and then help you develop the strategy and technical plans you need to achieve nonstop operations.

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