

For everyday uptime and rapid recovery demands in the event of an outage, choose Hitachi TrueCopy remote replication software. TrueCopy synchronously mirrors data between Hitachi storage systems across metropolitan distances.

DATASHEET

Hitachi TrueCopy Remote Replication Software

Simplify Data Protection and Speed Business Recovery Across Metro Distances

In today's extremely competitive business climate, organizations in all industries and of all sizes increasingly require the ability to replicate their most critical data without data loss. They need the capability to copy data to a secondary (disaster recovery) site that can take over critical application processing if the primary site is compromised. Although quick recovery time is crucial, traditional tape-based data recovery processes are often labor and capital intensive, and can take days.

TrueCopy remote replication software simplifies the data replication and recovery process and enables normal business operations to resume in minutes rather than hours or days following a primary site outage. TrueCopy software provides host-independent data replication for any type of data within application-acceptable tolerances for latency across metropolitan distances¹. Copies generated by Hitachi replication software products can be used for the rapid recovery or restart of production systems on primary or secondary (disaster recovery) systems following an outage. They can also be used for non-disruptive test and development, data warehousing, data mining, data backup or data migration applications.

Hitachi TrueCopy remote replication software can be integrated with Hitachi ShadowImage replication software to enable robust business continuity solutions. In addition, TrueCopy can be deployed with Hitachi Universal Replicator software's asynchronous replication capabilities to provide advanced data replication across 3-data-center topologies.

Hitachi TrueCopy remote replication can also be automated as part of an end-to-end, modern data protection, retention and recovery management solution with Hitachi Data Instance Director (HDID) software. HDID can also automatically trigger Hitachi Thin Image snapshots and ShadowImage clones from the remote copy of the data to support disaster recovery testing and data repurposing.

Business Benefits

Ensure Business Continuity and Disaster Recovery

- Reduce recovery time dramatically by replacing slow and expensive tape-based restores with replicated disk copies.
- Improve business resilience by enabling more frequent, nondisruptive disaster recovery testing with an online copy of current and accurate production data.
- Provide centralized, automated and host-independent data mirroring for mainframe, and open systems environments over metropolitan distances.

- Reduce the frequency and duration of planned outage events, such as system maintenance and data backups.
- Enable multiple, nondisruptive point-in-time copies to protect against logical corruption up to the point of an outage when combined with HDID, ShadowImage and/or Thin Image software.
- Combine with Universal Replicator, to facilitate compliance with government mandates and regulations governing both zero data loss and wide area disaster tolerance.

Improve Productivity for Both Business and IT Processes

- Improve productivity and flexibility with synchronous replication between storage systems, including third-party storage, via the virtualized storage pools managed by Hitachi Virtual Storage Platform (VSP) arrays.
- Improve service levels by reducing planned and unplanned downtime of customer-facing applications.
- Enable backups to be performed on a secondary system while business operates at full capacity on a primary system.
- Simplify site maintenance and application development by replicating up-to-date data to a local or remote site. The copies can be used without affecting production applications.

¹ TrueCopy supports up to 300km (186 miles) for synchronous replication. However, the organization's application tolerance for latency associated with distance is a consideration the organization must evaluate.

Replication Software Ensures Data Integrity

TrueCopy remote replication software can provide the highest levels of data integrity for local or metropolitan areas. It facilitates replication between:

- Hitachi Virtual Storage Platform family systems, including all VSP F series and VSP G series models.
- Externally attached systems via the virtualized storage pool.

Hitachi TrueCopy software also supports a multi-data-center implementation when combined with Hitachi Universal Replicator. It enables implementation of two sites within a short distance using TrueCopy synchronous replication and a long-distance site using Universal Replicator asynchronous replication. Flexible 3-data-center topologies, including the automated creation of local snapshots and clones in each site, can be easily orchestrated by HDID.

Complementary Software

Hitachi TrueCopy software is offered as a standalone license or as part of the

FEATURE HIGHLIGHTS

Deployed together, Hitachi ShadowImage and/or Hitachi Thin Image local replication software and Hitachi TrueCopy remote replication software yield the highest degree of data integrity. Their real-time copies are the same as the originals, with minimal performance impact on the primary system. For multi-data-center disaster recovery strategies, Hitachi Vantara recommends deploying TrueCopy with the long-distance asynchronous replication capability of Hitachi Universal Replicator software.

Hitachi Remote Replication bundle, which also includes Hitachi Universal Replicator. TrueCopy software is also included in the Advanced software package offered with Hitachi Virtual Storage Platform systems.

The following software modules complement the capabilities of Hitachi TrueCopy remote replication software:

- Hitachi ShadowImage replication software.
- Hitachi Thin Image snapshot software.
- Hitachi Universal Replicator software.
- Hitachi Data Instance Director software.

Services

It takes a collaborative, hands-on approach to assist with the project planning, installation and configuration of replication

software across an enterprise storage environment. From remote copy planning to advanced implementation services, Hitachi Vantara and its partners can support the successful and timely planning, design and deployment of the most resilient data protection infrastructures. Services to support TrueCopy software and other business continuity and disaster recovery solutions are available for both open systems and mainframe environments.

Learn how you can ensure business resiliency of multi-data-center strategies for business continuity and disaster recovery by incorporating Hitachi Data Instance Director.



We Are Hitachi Vantara

DataOps is the data practice for the AI era, connecting data consumers with data creators to accelerate collaboration and digital innovation. We are analytics, industrial expertise, technology and outcomes rolled into one great solution partner. Get Your DataOps Advantage.

Hitachi Vantara



Corporate Headquarters
2535 Augustine Drive
Santa Clara, CA 95054 USA
hitachivantara.com | community.hitachivantara.com

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

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