

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

## Hitachi TrueCopy Remote Replication Software for Hitachi Storage

### 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. The capability to move data to a secondary (disaster recovery) site that can take over critical application processing if the primary site is compromised is especially important. Although quick recovery time is crucial, traditional 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 distances<sup>1</sup>. 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 nondisruptive

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 among multiple data centers.

Hitachi TrueCopy remote replication can also be automated as part of an end-to-end, unified data protection, retention and recovery management solution within 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.

### Business Benefits

#### Ensure Business Continuity and Disaster Recovery

- Reduces recovery time dramatically by replacing slow and expensive tape-based restores with replicated disk copies.
- Improves business resilience by enabling more frequent, nondisruptive disaster recovery testing with an online copy of current and accurate production data.

- Provides centralized, automated and host-independent data mirroring for mainframe, UNIX and Microsoft® Windows® environments over metropolitan distances.
- Reduces the frequency and duration of planned outage events, such as system maintenance and data backups.
- Enables multiple, nondisruptive point-in-time copies in the event of logical corruption up to the point of an outage when combined with Hitachi ShadowImage or Hitachi Thin Image software.
- When combined with Universal Replicator, facilitates compliance with government mandates and regulations governing both zero data loss and wide area disaster tolerance.

#### Improve Productivity for Both Business and IT Processes

- Improves productivity and flexibility; provides replication between storage systems, including third-party storage, via the virtualized storage pools managed by supported models.
- Improves service levels by reducing planned and unplanned downtime of customer-facing applications.
- Enables backups to be performed on a secondary system while business operates at full capacity on a primary system.

<sup>1</sup>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.

- Simplifies 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.

## 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:

**Business Continuity and Disaster Recovery**

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- Hitachi Virtual Storage Platform (VSP) family, including VSP G200, VSP G400, VSP G600, VSP G800 and VSP G1000, as well as VSP F400, VSP F600 and VSP F800.
- Hitachi Unified Storage VM.
- Externally attached systems (via the virtualized storage pool).

Please check with Hitachi Data Systems for restrictions on certain platforms.

Hitachi TrueCopy software also supports up to four data centers in 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 two long-distance sites using Universal Replicator asynchronous replication with its unique journal technology. This solution supports both open and mainframe environments.

## 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 Data Systems recommends deploying asynchronous replication capability with Hitachi Universal Replicator software.

## Complementary Software

Hitachi TrueCopy software is offered as a standalone license or as part of the Hitachi Remote Replication bundle, which also includes Hitachi Universal replicator and Hitachi Replication Manager software.

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 Replication Manager 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 Data Systems Global Services Solutions can support the successful and timely deployment of the most resilient data protection infrastructures. Services to support TrueCopy software and other business continuity and disaster recovery solutions from Hitachi Data Systems are available for both open systems and mainframe environments.

## @Hitachi Data Systems

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