

Hitachi Universal Replicator satisfies the most demanding business continuity and disaster recovery requirements. This software asynchronously replicates data between Hitachi storage systems, over any distance.

Hitachi Universal Replicator Remote Replication Software for Hitachi Storage

Enhance Data Protection, Speed Data Restoration and Simplify Disaster Recovery

In today's competitive market climate, where downtime costs can run as high as US\$1 million per hour or more, reliable data storage and recovery systems are essential. Businesses also face the challenge of managing vast and increasing amounts of data, across a variety of data storage systems and operating environments, and in various locations. At the same time, they must optimize the use of storage hardware resources and minimize the management burden.

To address these needs, Hitachi Universal Replicator software provides the enterprise-class performance associated with storage-system-based replication while delivering resilient business continuity. Universal Replicator provides a powerful data management and recovery solution that replicates mission-critical data to one or more remote sites.

Universal Replicator significantly reduces resource consumption and sets a new standard for data protection. This replication solution asynchronously replicates data hosted on Hitachi storage, including the full Hitachi Virtual Storage Platform (VSP) family and the Hitachi Universal Storage VM. It replicates, over any distance, for business continuity or improved IT operations. And it requires neither redundant servers nor replication appliances.

From a VSP G1000, Universal Replicator can be combined with global-active device for high availability and delta-resync to allow tight recovery time and recovery point objective (RTO/RPO) disaster recovery protection. This protection is effective at WAN distances in the event that regional disasters affect both local (metro distance) sites.

Universal Replicator 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 Hitachi ShadowImage Replication clones from the remote copy of the data.

Universal Replicator redefines the way that asynchronous replication is performed with its unique journaling approach and helps organizations to:

- Lower the cache and resource consumption on production storage systems.
- Improve bandwidth utilization.
- Simplify bandwidth planning.
- Mitigate the impact of network fluctuations and failures.
- Gain flexibility in trading off between business continuity objectives and cost.
- Implement advanced multiple data center support more easily.
- Easily move data among levels of tiered storage systems.

Three-Data-Center Resilience

[LEARN MORE](#)

Business Benefits

Ensure Business Continuity

- Simplifies implementation to meet the most demanding disaster recovery and uptime requirements, regardless of the type of supported storage platform hosting the business-critical data.
- Works in global-active device environments to extend high availability and business continuity capabilities across any geographic distance.
- Supports availability of up-to-date copies of data in dispersed locations by leveraging Hitachi TrueCopy synchronous replication in multi-data-center environments.
- Maintains integrity of a replicated copy, minimizing impact to production processing, even when replication network outages occur or optimal bandwidth is not available.
- Enhances administrative productivity as well as crisis aversion and response.

COMPLEMENTARY AND OPTIONAL SOFTWARE

- Hitachi Thin Image snapshot software.
- Hitachi TrueCopy replication software.
- Hitachi ShadowImage replication software.
- Hitachi Replication Manager software.
- Hitachi Data Instance Director software.

Optimize Resource Usage

- Leverages advanced technology to maintain data integrity and optimize the storage or IT infrastructure; protects data from any application across a variety of hardware and software platforms.
- Optimizes storage resources for more efficient data protection over any distance.
- Significantly reduces cache use and increases bandwidth utilization by leveraging performance-optimized disk-based journals.
- Reduces overhead and application impact at the production site by offloading more of the replication workload to the remote site.
- Centralizes operations for management resources and provides secure management of data-related operational risk.

Improve Efficiency and Resilience

- Reduces costs; requires only one product to provide asynchronous copy across all attached storage systems, including 4-data-center configurations.
- Simplifies consolidation, aggregation and mapping of data value to storage cost.
- Supports planned site outages.
- Keeps logging changes in the event of network problems between sites.

FEATURE HIGHLIGHTS

Heterogeneous Storage System Support

- Enables business continuity and disaster recovery in heterogeneous storage environments, providing maximum flexibility and enterprise-class support.
- Supports any storage connected to Hitachi Unified Storage VM or the 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.
- Permits data to be copied from any supported device to any other supported device, regardless of operating system or protocol differences.
- Ensures maximum flexibility for data distribution as well as increased storage utilization and failover options.

More Efficient Replication

- Uses asynchronous replication driven by the remote site to minimize impact on primary production systems.
- Takes advantage of both disk journaling and cache to optimize low RPO and provide high resiliency of the replication solution during network impairment or bandwidth shortages.
- Limits use of cache; leaves cache for production application usage, further restoring primary site storage to its intended role as a transaction processing resource, not a replication engine.
- Enables unmatched scalability and data integrity for consistency groups, which can span multiple storage systems for large, enterprise-class applications.
- Provides a choice of 3-data-center cascade or multi-data-center configurations for both open and mainframe disaster recovery environments. Unique delta-resync capabilities ensure data consistency during and following an outage.
- Enables advanced 4-data-center implementations. It supports two sites within a short distance using TrueCopy synchronous replication and two long-distance sites using Hitachi Universal Replicator asynchronous replication to support data-center relocation and migration use cases.

Contact your Hitachi Data Systems representative for detailed feature availability information.



Corporate Headquarters
 2845 Lafayette Street
 Santa Clara, CA 95050-2639 USA
www.HDS.com community.HDS.com

Regional Contact Information
Americas: +1 866 374 5822 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

