Overview of Hitachi TrueCopy®

An overview of the different components that are a part of Hitachi TrueCopy® helps you to understand its function and capabilities.

Hitachi TrueCopy®

Hitachi TrueCopy® (TC) provides a continuous, nondisruptive, host-independent remote data-replication solution for disaster recovery or data migration purposes. Using the TrueCopy Remote Replication software, you can create and maintain mirror images of production volumes at a remote location. TrueCopy Remote Replication software can be deployed with Hitachi Universal Replicator software’s asynchronous replication capabilities to provide advanced data replication among multiple data centers. In addition, TrueCopy Remote Replication software can be integrated with Hitachi ShadowImage® Replication software to enable robust business-continuity solutions. This lets you create a remote copy of primary site or production data that is automatically updated for executing test and development tasks, or for operations against production data.

The TrueCopy primary storage system contains the primary volume (P-VOL) of a copy pair, and the secondary storage system contains the secondary volume (S-VOL). When the primary storage system accepts a write operation for a P-VOL, the data is written on the primary volume and then sent by the primary storage system to the secondary storage system through the dedicated data paths connecting the storage systems. Subsequent write operations are not accepted by the primary volume until acknowledgement is received from the secondary storage system for the previous write operation, ensuring that the data in the secondary volume stays synchronized with the primary volume.

To reduce the overhead associated with these remote copy activities and maximize data transfer, the primary storage system uses a special write command for TrueCopy remote copy operations. This command transfers the control parameters and the FBA-format data for consecutive updated records in a track using a single write operation. The special write command eliminates the overhead required for performing FBA-to-CKD and CKD-to-FBA conversions.

TrueCopy operations can be performed using the TrueCopy Remote Replication software on Hitachi Device Manager - Storage Navigator and the Command Control Interface (CCI) command-line interface software. This document describes and provides instructions for performing TrueCopy operations using the TrueCopy software on Device Manager - Storage Navigator. For details about using CCI to perform TrueCopy operations, see the user documentation for CCI.

VSP G130 is available only in select markets. Contact your local sales representative for availability.