

Hitachi Unified Storage Series Firmware 0980/P Release Notes

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About This Document

This document provides late-breaking information about the Hitachi Unified Storage Series firmware version 0980/P. It includes information that was not available at the time the technical documentation for this product was published, as well as a list of known problems and solutions.

Intended Audience

This document is intended for customers and Hitachi Data Systems authorized service partners who license and use the Hitachi Unified Storage Series.

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Getting Help

If you purchased this product from an authorized HDS reseller, contact that reseller for support. For the name of your nearest HDS authorized reseller, refer to the HDS support web site for locations and contact information. To contact the Hitachi Data Systems Support Center, please visit the HDS website for current telephone numbers and other contact information: <http://support.hds.com>.

About This Release

These release notes cover the Hitachi Unified Storage Series firmware version 0980/P.

How to obtain a copy

This firmware can be downloaded or ordered from The Download Center (TDC) in the Technical Information Service Center (TISC).

New Features and Important Enhancements

New Features

- None

Important Enhancements

- None

New System and Hardware Requirements

- None

Fixed Problems

No	Items	Contents
1	Title	Host I/O and Hitachi Storage Navigator Modular 2 (HSNM2) no longer become unresponsive during replication function pair operations.
	Category	Replication
	Phenomena	<p>Previously, when performing a pair operation during replication using ShadowImage (SI), TrueCopy (TC), or Modular Volume Migration (MVM), if an update operation was performed for the storage system from HSNM2 or Command Control Interface other than the one from which the pair operation was performed, the following phenomena occurred:</p> <p>(1) A host I/O became unresponsive.</p> <p>(2) The processing running background stopped. (SI pair status did not change from Synchronizing to Paired, drive recovery cannot be complete.)</p> <p>(3) Operations from HSNM2 and CCI became unresponsive.</p> <p>(4) The stopped processing did not start even if the power was turned off (planned stop).</p> <p><Web Message></p> <p>None</p>
	Conditions of Occurrence	<p>The problem could occur when all of the following conditions were met.</p> <p>(1) DF850S/DF850MH (multi-core system).</p> <p>(2) SI, TC, or MVM was enabled.</p> <p>(3) Snapshot (SS) and TrueCopy Extended Distance (TCE) were not enabled.</p> <p>(4) A SI, TC, or MVM pair operation was performed from HSNM2 or CCI.</p> <p>(5) An update operation including operations other than pair operation was performed for the storage system from HSNM2 or CCI that was different than the one used in (4). Or the system status was changed by an event other than operations such as pair status or drive recovery status change.</p>
	Affected Products and Version	Hitachi Unified Storage 130, and Hitachi Unified Storage 150 : 0915/B and later

Known Problems

- None

Notes on Installation

- None

Documentation

Related Documents

None

Documentation Update

None

Documentation Errata

None