

IBM System Storage - DS8870 Disk Storage

Microcode Bundle 87.21.5.0 Release Note Information v2

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Release Date: December 19, 2013

VRMF Level Data Results:

VRMF level From:	87.20.220.0
VRMF Level To:	87.21.5.0
Report for:	All DS8870

Code Bundle Contents

This table includes code component reference information.

DS8870 Code Bundle Level	SEA or LMC Version:	DS CLI Client	Easy Tier Client	STAT Tool	Heat Map Transfer Utility	Storage Manager
87.21.5.0	7.7.21.13	7.7.21.13	7.7.21.13	7.7.21.13	7.7.21.13	5.7.21.1006

Overview of new features and functions supported by this release on DS8870, 242x model 961

At a glance:

- Introduction of P7+ processors
- Flash Optimization for all SSD systems with P7+ processors
- Support for NIST SP 800-131a
- Enhanced Business Class configurations
- Support for 1.2 TB 10K and 4 TB 7.2K drives

This is a new microcode release only supports the DS8870.

Select Modifications Included in this Release Note:

This is a list of some modifications contained across one or more LIC (License Internal Code) or microcode release(s). The potential impact is variable. Specific environments may aggravate or degrade the potential impact. Problem(s) fixed and reported in this release note may not be in higher levels of code bundles.

Definition of Problem Severity:

- 1 High Impact** - Acute: An irrecoverable error with potential loss of data.
- Serious: An irrecoverable error with potential loss of access to data.
- 2 Moderate** - A function not operational and/or performance might be degraded.
- 3 Service** - A recoverable error (no impact) and service improvements.
- 4 Improvements** - Improvement changes for better Usability and Serviceability.

HIPER: High Impact problem that is Pervasive: 3 or more occurrences

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Acute: An irrecoverable error with potential loss of data.

None

Serious: An irrecoverable error with potential loss of access to data.

None

Moderate: A system path is not operational and performance might be degraded.

None

Service: A recoverable error, Service improvements.

HMC reboot causes MRPD data off-load failure

- 1. Problem Description:** After a reboot of the HMC a microcode logic error causes a MRPD data off-load failure. The only way to correct the MRPD data off-load failure is for the SSR to reconfigure the MRPD off-load.
- 2. Potential Impact of Problem:** none
- 3. Problem Severity:** Service
- 4. Pervasive Problem:** Yes

ID#: 290710

Host Adapter time-out

- 1. Problem Description:** Host Adapter time-outs caused by excessive internal mailbox time-out.
- 2. Potential Impact of Problem:** Delayed reset of Host Adapter
- 3. Problem Severity:** Service
- 4. Pervasive Problem:** Yes

ID#: 280474

Improvements: Improvement for better usability

None

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