

IBM System Storage - DS8870 Disk Storage

Microcode Bundle 87.51.14.0 Release Note Information v1

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Release Date: August 28, 2015

VRMF Level Data Results:

VRMF level From:	87.50.5.0
VRMF Level To:	87.51.14.0
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
87.51.14.0	7.7.51.48	7.7.51.48	7.7.51.48	7.7.51.48	7.7.51.48	5.7.51.1013

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

At a glance:

- Bug fixes

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.

Enable PCIe ECRC checking for High Performance Flash

1. **Problem Description:** End-to-end PCIe ECRC checking was disabled.
2. **Potential Impact of Problem:** loss of data
3. **Problem Severity:** High Impact
4. **Pervasive Problem:** No

ID#: 309255

Failing DDM was not rejected

1. **Problem Description:** Failed DDM is not rejected when Device Adapter is in takeover state.
2. **Potential Impact of Problem:** loss of data
3. **Problem Severity:** High Impact
4. **Pervasive Problem:** No

ID#: 309406

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

LPAR timezone incorrectly set to 'null'

1. **Problem Description:** null timezone can cause a failure in some error log analysis routines, resulting in problems going unreported.
2. **Potential Impact of Problem:** loss of access
3. **Problem Severity:** High Impact
4. **Pervasive Problem:** No

ID#: 307696

HIPER Cluster hang during failover

1. **Problem Description:** When cluster failover is preceded by quickstart, the 'surviving' cluster fails to get the statesave lock, causing it to hang in "Cluster Failover" state.
2. **Potential Impact of Problem:** loss of access
3. **Problem Severity:** HIPER
4. **Pervasive Problem:** Yes
5. **Release Bundle:** 87.31.38.0

ID#: 308404

Cache segment depletion in systems with 16GB system memory

1. **Problem Description:** Too many tracks are being kept on CPU queues, in proportion to the available cache.
2. **Potential Impact of Problem:** loss of access
3. **Problem Severity:** High Impact
4. **Pervasive Problem:** No

ID#: 308476

FlashCopy with FRR set can encounter microcode logic error 0x7002

1. **Problem Description:** Release 7.4 introduced a change to copy services that can result in an invalid timestamp being detected. This error can cause a dual cluster reboot.
2. **Potential Impact of Problem:** loss of access
3. **Problem Severity:** High Impact
4. **Pervasive Problem:** No

ID#: 310103

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

None

Service: A recoverable error, Service improvements.

DSGUI server fails to start

1. **Problem Description:** A problem with timestamp formatting causes Storage Manager to fail during startup
2. **Potential Impact of Problem:** Unable to access DSGUI
3. **Problem Severity:** Service
4. **Pervasive Problem:** No

ID#: 308178

Improvements: Improvement for better usability

None

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