

IBM System Storage - DS8870 Disk Storage

Microcode Bundle 87.41.8.0 Release Note Information v1.1

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Release Date: January 27, 2015

VRMF Level Data Results:

VRMF level From:	87.40.141.0
VRMF Level To:	87.41.8.0
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
87.41.8.0	7.7.41.32	7.7.41.32	7.7.41.32	7.7.41.32	7.7.41.32	5.7.401.1008

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

At a glance:

- z/OS Hyperswap support for Multi-Target PPRC
- 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.

None

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

HIPER LUN ID change when remapping host ports in new GUI

1. **Problem Description:** New GUI in r7.4 may require conversion of host port mapping. During this process, new volume groups are created for host connections, and existing volumes are added. A microcode error caused some LUN IDs to change during the remap. Affects hosts that use SCSI Mapping, but do not support 'Report LUNs'
 2. **Potential Impact of Problem:** loss of access
 3. **Problem Severity:** HIPER
 4. **Pervasive Problem:** Yes
- ID#: 302368

Re-use volume group of host port during reconfig for new GUI

1. **Problem Description:** The port group and volume group modification for new GUI may change volume group assignments, breaking existing DSCLI scripts.
 2. **Potential Impact of Problem:** loss of access
 3. **Problem Severity:** High Impact
 4. **Pervasive Problem:** No
- ID#: 302876

HIPER Volumes suspended after Hyperswap

1. **Problem Description:** DA has a race condition from the master CEC when setting and resetting the Soft Fence Pending flags on the remote owning CEC. This will leave volumes in a soft fence condition.
 2. **Potential Impact of Problem:** Hyperswap failure/Loss of Access
 3. **Problem Severity:** HIPER
 4. **Pervasive Problem:** Yes
- ID#: 302939

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

HyperWrite not working with Cascaded PPRC

1. **Problem Description:** Fix adds a new "Cascaded Failover" bit to the SNSS and PRSD-55 output
 2. **Potential Impact of Problem:** degraded performance
 3. **Problem Severity:** Moderate
 4. **Pervasive Problem:** No
- ID#: 303776

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Service: A recoverable error, Service improvements.

0x7002 MLE

1. **Problem Description:** Microcode Logic Error when attempting to update the change recording bitmap on PPRC primary with incremental resync.
 2. **Potential Impact of Problem:** Warmstart
 3. **Problem Severity:** Service
 4. **Pervasive Problem:** No
- ID#: 302618

CDA distribute failed

1. **Problem Description:** Errant touchfile left on LPAR prevented distribute to the LPAR.
 2. **Potential Impact of Problem:** Extended service window
 3. **Problem Severity:** Service
 4. **Pervasive Problem:** No
- ID#: 303302

GUI shows 'Install not complete'

1. **Problem Description:** A microcode problem causes the System Properties GUI panel to incorrectly show 'Install not complete' status.
 2. **Potential Impact of Problem:** none
 3. **Problem Severity:** Service
 4. **Pervasive Problem:** No
- ID#: 303446

Improvements: Improvement for better usability

WebSM/AOS callhome change

1. **Problem Description:** Update callhome records with AOS information
 2. **Potential Impact of Problem:** none
 3. **Problem Severity:** Improvement
 4. **Pervasive Problem:** No
- ID#: 300132

FCR 843: Allow PPRC Failover and Freeze PPRC through soft fence

1. **Problem Description:** Allow PPRC Failover/Failback (PPRC Establish Pair with Failover or Failback parameters set) through Soft Fence, for z/OS hyperswap support of multi-target PPRC
 2. **Potential Impact of Problem:** none
 3. **Problem Severity:** Improvement
 4. **Pervasive Problem:** No
- ID#: 303305

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