

IBM System Storage - DS8880 Disk Storage

Microcode Bundle 88.30.137.0 Release Note Information v1.2

Release Date: September 25, 2017

VRMF Level Data Results:

VRMF level From:	88.30.136.0
VRMF Level To:	88.30.137.0
Report for:	All DS8880

Code Bundle Contents

DS8880 Code Bundle Level	SEA or LMC Version:	DSCLI Client	STAT Tool	Heat Map Transfer Utility	Storage Manager	Copy Services Manager
88.30.137.0	7.8.30.473	7.8.30.473	7.8.30.473	7.8.30.473	5.8.30.1174	6.2.0

Overview of new features and functions supported by this release

At a glance:

- Cascading FlashCopy
- Transparent Cloud Tiering
- High Capacity Tier-1 3.8 TB Flash Drive support
- RAID 6 default for all storage types, RAID-10 is configurable
- DS GUI improvements
 - Integrated Easy Tier® reporting
 - Reporting and monitoring support for FlashCopy, Mirroring, and Mirroring paths
 - Advanced provisioning support for IBM Z and IBM I volumes
- DS8870 Enterprise Configuration model conversion to DS8880 models 985, 986
- zHyperLink™ support for DS8886 models with 16-core and 128 GB or 256 GB system memory
- Code enhancements

This new microcode release supports DS8880 systems only.

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.

0xE1C7 MLE and reboot during LPAR quiesce

1. **Problem Description:** A timing window exists where a warmstart during NVS scrub may incorrectly clear a flag indicating the NVS scrub was in process.
 2. **Potential Impact of Problem:** loss of data
 3. **Problem Severity:** High Impact
 4. **Pervasive Problem:** No
- ID#: 330872

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

HIPER Cache segment demote scan stalled

1. **Problem Description:** <http://www.ibm.com/support/docview.wss?uid=ssg1S1010881>
 2. **Potential Impact of Problem:** Repeated warmstarts, loss of access
 3. **Problem Severity:** HIPER
 4. **Pervasive Problem:** Yes
- ID#: 330499

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

0x111A MLE

1. **Problem Description:** A task control block was allocated, but was never freed. Problem was introduced in pre-GA R8.3 code.
 2. **Potential Impact of Problem:** Warmstart
 3. **Problem Severity:** Moderate
 4. **Pervasive Problem:** No
- ID#: 330927

Service: A recoverable error, Service improvements.

None.

Improvements: Improvements for better usability

None.

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