

IBM System Storage - DS8880 Disk Storage

Microcode Bundle 88.30.145.0 Release Note Information v1

Release Date: February 23, 2018

VRMF Level Data Results:

VRMF level From:	88.30.137.0
VRMF Level To:	88.30.145.0
Report for:	All DS8880

Code Bundle Contents

DS8880 Code Bundle Level	SEA or LMC Version:	DSCSI Client	Heat Map Transfer Utility	Storage Manager	Copy Services Manager
88.30.145.0	7.8.30.490	7.8.30.470	7.8.30.470	5.8.30.1183	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.

HIPER I/O errors and potential data loss on IBM i systems running Global Mirror

1. **Problem Description:** <http://www-01.ibm.com/support/docview.wss?uid=ssg1S1010815>
 2. **Potential Impact of Problem:** loss of data, degraded performance
 3. **Problem Severity:** HIPER
 4. **Pervasive Problem:** Yes
- ID#: 331863

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

Windows cluster reservation conflict

1. **Problem Description:** SCSI-3 persistent reservation was not released when the reservation holder unregistered
 2. **Potential Impact of Problem:** loss of access
 3. **Problem Severity:** High Impact
 4. **Pervasive Problem:** No
- ID#: 332762

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

Background copy performance degradation

1. **Problem Description:** Flash Copy target destages are being grouped with non-Flash Copy target destages
 2. **Potential Impact of Problem:** degraded performance
 3. **Problem Severity:** Moderate
 4. **Pervasive Problem:** No
- ID#: 328406

Increased IOSQ, CONN Times on R8.3 and/or RPO increase with R8.3 on Secondary

1. **Problem Description:** zHyperLink enablement in R8.3 causing higher system overhead even though zHyperLink is not in use.
 2. **Potential Impact of Problem:** degraded performance
 3. **Problem Severity:** Moderate
 4. **Pervasive Problem:** No
- ID#: 331722

Service: A recoverable error, Service improvements.

None.

IBM System Storage - DS8880 Disk Storage

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Improvements: Improvements for better usability

None.

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