

# IBM System Storage - DS8880 Disk Storage

## Microcode Bundle 88.30.141.0 Release Note Information v1.1

Release Date: November 9, 2017

### VRMF Level Data Results:

VRMF level From:	88.30.137.0
VRMF Level To:	88.30.141.0
Report for:	All DS8880

### Code Bundle Contents

DS8880 Code Bundle Level	SEA or LMC Version:	DSCLI Client	Heat Map Transfer Utility	Storage Manager	Copy Services Manager
88.30.141.0	7.8.30.481	7.8.30.481	7.8.30.481	5.8.30.1178	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.**

None.

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

#### **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.

### **Improvements: Improvements for better usability**

None.

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