

# IBM System Storage - DS8880 Disk Storage Microcode Bundle 88.59.21.0 Release Note Information

Release Date: November 30, 2021

## VRMF Level Data Results:

VRMF level From:	88.59.19.0
VRMF Level To:	88.59.21.0
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
88.59.21.0	7.8.59.68	7.8.59.64	7.8.59.64	5.8.59.1025	6.3.0

Overview of new features and functions supported by this release

### At a glance:

- SafeGuarded Copy performance enhancement

**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: Irrecoverable error with potential loss of data. - Serious: Irrecoverable error with potential loss of access to data, or critical function.
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, or critical function.**

None.

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

None.

**Service: A recoverable error, Service improvements.**

None.

**Improvements: Improvements for better usability**

### **SafeGuarded Copy performance enhancement**

- 1. Problem Description:** Implement a new Optimization Bitmap to improve performance while performing SGC Recover operations.
- 2. Potential Impact of Problem:** none
- 3. Problem Severity:** Improvement
- 4. Pervasive Problem:** No

ID# 356292

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