

IBM System Storage - DS8900F Disk Storage

Microcode Bundle 89.44.4.0 Release Note Information

Release Date: 12 September, 2025

VRMF Level Data Results:

VRMF level From:	89.43.9.0
VRMF Level To:	89.44.4.0
Report for:	DS8900F

Code Bundle Contents

DS8900F Code Bundle Level	SEA or LMC Version:	DSCSI Client	Heat Map Transfer Utility	Storage Manager	Copy Services Manager
89.44.4.0	7.9.44.9	7.9.44.9	7.9.44.9	5.9.44.1004	6.3.10

Overview of new features and functions supported by this release on DS8900F 533x and 5341 models 993/994/996/998

At a glance:

- Code fixes

This new microcode release supports DS8900F 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

IBM System Storage - DS8900F Disk Storage

Microcode Bundle 89.44.4.0 Release Note Information

Acute: An irrecoverable error with potential loss of data.

HIPER DB2 IO error during LCP recovery

- 1 **Problem Description:** <https://supportcontent.ibm.com/support/pages/node/7232918>
 - 2 **Potential Impact of Problem:** Undetected data loss
 - 3 **Environment:** All R9 / R10 using Safeguarded Copy
 - 4 **Problem Severity:** High Impact
 - 5 **Pervasive Problem:** No
- ID 372800

Potential undetected data loss with Global Mirror

- 1 **Problem Description:** <https://www.ibm.com/support/pages/node/7244628>
 - 2 **Potential Impact of Problem:** Undetected data loss
 - 3 **Environment:** All R9
 - 4 **Problem Severity:** High Impact
 - 5 **Pervasive Problem:** No
- ID 372953

Data check multiple sectors LRC

- 1 **Problem Description:** There exists a scenario with grouped discard scans, where the scan's ending limit is not set correctly.
 - 2 **Potential Impact of Problem:** Loss of data on secondary
 - 3 **Environment:** All R9 / R10
 - 4 **Problem Severity:** High Impact
 - 5 **Pervasive Problem:** No
- ID 373700

Serious: An irrecoverable error with potential loss of access to data, or critical function.

Temporary loss of access during a drive failure

- 1 **Problem Description:** Fabric recovery delayed the sparing process.
 - 2 **Potential Impact of Problem:** Temporary loss of access
 - 3 **Environment:** All R9
 - 4 **Problem Severity:** High Impact
 - 5 **Pervasive Problem:** No
- ID 368090

HIPER Frequent /var filesystem full on both HMCs

- 1 **Problem Description:** Excessive thread dumps when handling network recovery actions.
 - 2 **Potential Impact of Problem:** Unable to manage storage and copy services
 - 3 **Environment:** R10 GA / R9.4 SP2 and newer
 - 4 **Problem Severity:** High Impact
 - 5 **Pervasive Problem:** Yes.
- ID 372368

IBM System Storage - DS8900F Disk Storage

Microcode Bundle 89.44.4.0 Release Note Information

Remediation of critical and high PVRs

- 1 Problem Description:** <https://www.ibm.com/support/pages/node/7246629>
- 2 Potential Impact of Problem:** Security vulnerabilities
- 3 Environment:** All R9 / R10
- 4 Problem Severity:** High Impact
- 5 Pervasive Problem:** No

ID# 373797

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

Slow IPL from Safeguarded Recovery Volume

- 1 Problem Description:** Destaging is slow on SGC recovery volume, causing slow IPL on host.
- 2 Potential Impact of Problem:** Degraded Performance
- 3 Environment:** All R9/R10 with Safeguarded Copy
- 4 Problem Severity:** Moderate
- 5 Pervasive Problem:** No

ID# 371706

Long I/O during Device Adapter error recovery

- 1 Problem Description:** Unnecessary DA to DA recovery operations cause long I/O to the host
- 2 Potential Impact of Problem:** Degraded Performance
- 3 Environment:** All R9
- 4 Problem Severity:** Moderate
- 5 Pervasive Problem:** No

ID# 371802

Customers unable to retrieve certificates

- 1 Problem Description:** User encounters an error using the GUI Remote Authentication wizard, when trying to retrieve certificates from two servers that have the same certificate.
- 2 Potential Impact of Problem:** Authentication error.
- 3 Environment:** All R9 / R10
- 4 Problem Severity:** Moderate
- 5 Pervasive Problem:** No

ID# 372415

The authenticating user was not found

- 1 Problem Description:** Different DS CLI login messages allow malicious actors to enumerate existing users.
- 2 Potential Impact of Problem:** Security vulnerability
- 3 Environment:** All R9 / R10
- 4 Problem Severity:** Moderate
- 5 Pervasive Problem:** No

ID# 373116

IBM System Storage - DS8900F Disk Storage

Microcode Bundle 89.44.4.0 Release Note Information

PPRC suspended - SCSI Task Deadlock

- 1 Problem Description:** Deadlock between the threads for both tracks of a PPRC two-track atomic write (torn page/dependent write) on a cascaded MGM intermediate.
- 2 Potential Impact of Problem:** PPRC suspend
- 3 Environment:** All R9 / R10
- 4 Problem Severity:** Moderate
- 5 Pervasive Problem:** No

ID# 373428

Space Release caused 60 sec RPO spike

- 1 Problem Description:** A change made to data transport code can cause Consistency Groups to fail for retrievable transfers; this can lead to higher RPO during space release.
- 2 Potential Impact of Problem:** Degraded performance
- 3 Environment:** All R9 / R10
- 4 Problem Severity:** Moderate
- 5 Pervasive Problem:** No

ID# 373951

Service: A recoverable error, Service improvements

DS GUI incorrectly displays PPRC paths after Hyperswap

- 1 Problem Description:** PPRC paths on the secondary system are displayed as 'Failed (ESCON Initialization)', while DS CLI reports correct path status.
- 2 Potential Impact of Problem:** Incorrect path status
- 3 Environment:** All R9
- 4 Problem Severity:** Service
- 5 Pervasive Problem:** No

ID# 372193

Improvements: Improvements for better usability

First-Time Data Capture for PPRC path instability

- 1 Problem Description:** Create additional logging for First-Time Data Capture.
- 2 Potential Impact of Problem:** PPRC paths degraded
- 3 Environment:** All R9/R10 using PPRC
- 4 Problem Severity:** Improvement
- 5 Pervasive Problem:** No

ID# 371397

IBM System Storage - DS8900F Disk Storage

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IBM System Storage - DS8900F Disk Storage

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