

IBM TotalStorage® DS8700 Disk Storage 1

Microcode Bundle 76.20.87.0 v1 Release Note Information

Release Date: February 24, 2012

VRMF Level Data Results:

VRMF level From:	76.20.75.0
VRMF Level To:	76.20.87.0
Report for:	All DS8700

Code Bundle Contents

DS800 Code Bundle Level	SEA or LMC Version: Used with dscli <i>ver</i> command.	CLI Client Level	Storage Manager Code Level
76.20.87.0	6.6.20.190	6.6.20.190	5.6.20.1093

Overview of new features and functions supported by Microcode Release 76.20.87.0 for DS8700 , 242x model 941.

At a glance:

none

This is a new microcode release only supports the DS8700.

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 HIPER - 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.

Pervasive: Problems with 3 or more occurrences

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Acute: An irrecoverable error with potential loss of data.

New zHPF format write function in release 6.2 can cause data error

- 1. Problem Description:** See alert
<http://www.ibm.com/support/docview.wss?uid=ssg1S1004024>
 - 2. Potential Impact of Problem:** loss of data
 - 3. Problem Severity:** High Impact
 - 4. Pervasive Problem:** No
- ID#: 268060

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

Microcode error can fence multiple host adapters with zHFP

- 1. Problem Description:** High Performance FICON channels can send chains with both format write and update write. A microcode error will cause all the host adapters to become fenced.
 - 2. Potential Impact of Problem:** loss of access
 - 3. Problem Severity:** High Impact
 - 4. Pervasive Problem:** No
- ID#: 265710

Moderate: A system path is not operational and performance might be degraded.

Microcode logic error causes cluster failback to dual to fail

- 1. Problem Description:** During CCL or cluster repair the failback to dual cluster can fail when GM/MM/PPRC is active on secondary and the initial copy has not completed.
 - 2. Potential Impact of Problem:** PPRC suspend
 - 3. Problem Severity:** Moderate
 - 4. Pervasive Problem:** No
- ID#: 266739

Service: A recoverable error, Service improvements.

Fabric error not isolated to the adapter results in cluster failover

- 1. Problem Description:** Error recovery for a failure reading an adapter information does not isolate the problem correctly. Error recovery causes a cluster failover that could be avoided
 - 2. Potential Impact of Problem:** single cluster operation
 - 3. Problem Severity:** Service
 - 4. Pervasive Problem:** No
- ID#: 265499

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Microcode detected error causes warmstart

- 1. Problem Description:** Microcode detected error during wise order write can cause a warmstart
 - 2. Potential Impact of Problem:** none
 - 3. Problem Severity:** Service
 - 4. Pervasive Problem:** Yes
- ID#: 264345

User login to the HMC can display CDA Preload option

- 1. Problem Description:** When the CDA Preload has updated the HMC and is ready to activate the storage facility code a menu is presented to the IBM service personnel. If a customer defined userid logs on at that time they will also be presented the pop-up window meant for service personnel.
 - 2. Potential Impact of Problem:** Customer initiated code load
 - 3. Problem Severity:** Service
 - 4. Pervasive Problem:** No
- ID#: 264050

Improvements: Improvement for better usability

None

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