

IBM TotalStorage® DS8700 Disk Storage 1 Microcode Bundle 76.10.139.0 v1 Release Note Information

Date: November 4, 2011

VRMF Level Data Results:

VRMF level From:	76.10.130.0
VRMF Level To:	76.10.139.0
Report for:	All DS8700

Code Bundle Contents

This table includes code component reference information.

DS8800 Code Bundle Level	SEA or LMC Version: Used with dscli <i>ver</i> command.	CLI Client Level	Storage Manager Code Level
76.10.139.0	6.6.10.410	6.6.10.410	5.6.1.1468

No new features are supported by this microcode bundle.

This is a new microcode release only supports the DS8800.

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) reported in this release note may not be in higher levels of code bundles.

Definition of Problem Severity:

1. Acute - An irrecoverable error with potential loss of data.
2. Serious - An irrecoverable error with potential loss of access to data.
3. Moderate - A function not operational and/or performance might be degraded.
4. Service - A recoverable error (no impact) and service improvements.
5. Improvements - Improvement changes for better Usability and Serviceability.

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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.

Incorrect setting on adapters after internal fabric error

- 1. Problem Description:** An internal fabric error during cluster failover can result in incorrect length setting on adapters in the I/O enclosure due to a microcode error.
- 2. Potential Impact of Problem:** Loss of access
- 3. Problem Severity:** HIPER
- 4. Pervasive Problem:** No

ID#: 261801

Automated error handling incorrectly resets the I/O bay

- 1. Problem Description:** Error recovery incorrectly resets the I/O bay in a specific internal I/O fabric error. This reset leaves the link signal active on the host adapters in the failing I/O bay.
- 2. Potential Impact of Problem:** Loss of access
- 3. Frequency of Problem:** Low

ID#: 261611

8GB host adapter exposure

- 1. Problem Description:**
<http://www-01.ibm.com/support/docview.wss?uid=s1S1003931>
- 2. Potential Impact of Problem:** Loss of access
- 3. Frequency of Problem:** Low

ID#: 258339

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

Host Adapter keeps link light active after internal fabric error

- 1. Problem Description:** Host Adapter keeps link light active after internal fabric error recovery due to a microcode error. The paths to the host adapter ports appear active for 30 seconds after the failure.
- 2. Potential Impact of Problem:** Elongated path failure
- 3. Problem Severity:** Moderate
- 4. Pervasive Problem:** No

ID#: 261530

Host adapter reset for an invalid error

- 1. Problem Description:** Host adapter is reset due to an error condition being improperly detected by microcode. This results in a full adapter reset.
- 2. Potential Impact of Problem:** Loss of path during host adapter reset
- 3. Problem Severity:** Moderate
- 4. Pervasive Problem:** No

ID#: 260080

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Service: A recoverable error, Service improvements.

SSD drives rejected invalidly

- 1. Problem Description:** A drive can drop sending status due to a drive firmware error. This can result in the drive being rejected if the problem occurs frequently.
 - 2. Potential Impact of Problem:** Unneeded drive replacement
 - 3. Problem Severity:** Moderate
 - 4. Pervasive Problem:** Yes
- ID#: 263581

Improvements: Improvement for better usability

NONE

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