IBM TotalStorage® DS8800 Disk Storage
Microcode Bundle 86.10.157.0 v1 Release Note Information

Date: February 17, 2012

VRMF Level Data Results:

VRMF level From:	86.10.154.0
VRMF Level To:	86.10.157.0
Report for:	All DS8800

Code Bundle Contents

This table includes code component reference information.

DS8800 Code Bundle Level	SEA or LMC Version: Used with dscli *ver* command.	CLI Client Level	Storage Manager Code Level
86.10.157.0	7.6.10.820	7.6.10.820	5.6.1.1521

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.

Warmstart Re-init during CKD Sort Jobs causing data error

1. **Problem Description:** If there is a warmstart re-init during a sort job in a CKD environment the cache fast write ID does not increment. The host application is not aware of the possible loss of the cache fast write data and does not restart the job. The data may be corrupted and the host application gets down level data for the sort job.
2. **Potential Impact of Problem:** loss of data
3. **Problem Severity:** High Impact
4. **Pervasive Problem: No**
ID#: 260801

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

Hosts with new WWPNs unable to re-login

1. **Problem Description:** When multiple hosts have new WWPNs some ports will be stuck in a busy state due to a microcode error. This problem might be encountered after re-cabling host to control unit connections.
2. **Potential Impact of Problem:** loss of access
3. **Problem Severity:** HIPER
4. **Pervasive Problem:** No
ID#: 262822

During CCL IML of the second cluster on previous code level

1. **Problem Description:** During CCL if a failure occurs after the first cluster has completed the code update and the second cluster is allowed IML back on the lower code level after repair loss of access will occur.
2. **Potential Impact of Problem:** loss of access
3. **Problem Severity:** High Impact
4. **Pervasive Problem:** No
ID#: 261727

Microcode logic error results in dual cluster reboot

1. **Problem Description:** During cluster IML Back the available DA sends global metadata to the partner DA. If an error is detected in the metadata then error recovery incorrectly reboots both clusters.
2. **Potential Impact of Problem:** loss of access
3. **Problem Severity:** High Impact
4. **Pervasive Problem:** No
ID#: 261787

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

GM hang condition due to a microcode error

1. **Problem Description:** Global Mirror hang results from a microcode error. Sometimes the microcode error is detected and warmstart recovers the error and sometimes the error is not detected by microcode and warmstart must be forced to recover the error
2. **Potential Impact of Problem:** Global Mirror hang
3. **Problem Severity:** Moderate
4. **Pervasive Problem:** Yes

ID#: 262177

Service: A recoverable error, Service improvements.

CEC op panel displays B1811404 for recovered error

1. **Problem Description:** After a temporary CEC to RPC communication failure the CEC op panel will display B1811404 due to a microcode error
2. **Potential Impact of Problem:** Unneeded RPC replacement
3. **Problem Severity:** Service
4. **Pervasive Problem:** No

ID#: 259445

DSCLI lsavailpprcpath command returns CMUC00234I error

1. **Problem Description:** Command reject prevents all valid PPRC paths from being displayed by the lsavailpprcpath command. This problem is due to a microcode error.
2. **Potential Impact of Problem:** Invalid PPRC path information
3. **Problem Severity:** Service
4. **Pervasive Problem:** No

ID#: 265457

DSGUI menus not accessible with Mozilla Firefox® 3.5

1. **Problem Description:** DSGUI main page will load but when a menu is selected it will not complete loading.
2. **Potential Impact of Problem:** No DSGUI access from browser
3. **Problem Severity:** Service
4. **Pervasive Problem:** No

ID#: 264541

Improvements: Improvement for better usability
NONE

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