IBM TotalStorage® DS8700 Disk Storage
Microcode Bundle 75.15.59.0 Release Note Information

Date: December 3, 2010

VRMF Level Data Results:

VRMF level From:	75.15.41.0
VRMF Level To:	75.15.59.0
Report for:	All DS8700

Code Bundle Contents

This table includes code component reference information.

DS8700 Code Bundle Level	SEA or LMC Version: Used with dscli *ver* command.	CLI Client Level	Storage Manager Code Level	STAT Tool Level
75.15.59.0	6.5.15.78	6.5.15.78	5.5.15.1084	6.5.15.78

Overview of new features and functions supported by Microcode Release:

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) 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.

DDM error in RAID10 array results in kill sector data loss

1. **Problem Description:** DDM failure in a RAID10 array can result in a kill sector due to a microcode error.
2. **Potential Impact of Problem:** Data loss
3. **Frequency of Problem:** Low

ID#: 248735

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

Host adapter link remains active after adapter is fenced

1. **Problem Description:** When a host adapter is fenced the link signal from the host adapter remains active. This condition will cause loss of access for an SVC host type.
2. **Potential Impact of Problem:** Loss of Access
3. **Frequency of Problem:** Low

ID#: 252947

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

PPRC suspend during CCL

1. **Problem Description:** Re-establish of some PPRC pairs fails during the cluster failback after having code loaded.
2. **Potential Impact of Problem:** PPRC suspend
3. **Frequency of Problem:** Low

ID#: 249836

Long distance Global Mirror drain failures due to timeout

1. **Problem Description:** In a long distance Global Mirror environment, the drain time calculation produces an inaccurate result when number of volumes with OOS tracks becomes few.
2. **Potential Impact of Problem:** Drain failures
3. **Frequency of Problem:** Low

ID#: 244488

Service: A recoverable error, Service improvements.
NONE

Improvements: Improvement for better usability

GM environment with long distance PPRC link utilization issue

1. **Problem Description:** In a GM environment with long distance PPRC links, increased RPO tiimes will result if only a few volumes have high activity. The link utilization is lower in this scenario.
2. **Potential Impact of Problem:** Increased RPO times
3. **Frequency of Problem:** Low

ID#: 247309

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