IBM TotalStorage® DS8700 Disk Storage
Microcode Bundle 75.15.38.0 Release Note Information

Date: July 30, 2010

VRMF Level Data Results:

VRMF level From:	N/A
VRMF Level To:	75.15.38.0
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
75.15.38.0	6.5.15.60	6.5.15.19	5.5.15.1068	6.5.15.60

Overview of new features and functions supported by Microcode Release 75.15.38.0 for DS8700 , 242x model 941.

At a glance:

- zOS Distributed Backup
- zOS FICON Discovery and Auto Configuration (zDAC)

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.
NONE

Serious: An irrecoverable error with potential loss of access to data.
NONE

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

Internal I/O fabric error fences I/O bay due to timeout
1. **Problem Description:** A microcode error fences the I/O bay when the cluster should have been fenced due to a timeout when receiving split status on PCIe interface.
2. **Potential Impact of Problem:** Fenced I/O Bay or cluster
3. **Frequency of Problem:** Medium

ID#: 244315

Service: A recoverable error, Service improvements.

Creating a track space efficient volume in hybrid extent pool fails
1. **Problem Description:** Creating a TSE volume in a hybrid extent pool the volume is not created correctly, virtual extent allocation method is not used.
2. **Potential Impact of Problem:** Can not create TSE volumes in a hybrid extent pool.
3. **Frequency of Problem:** always

ID#: 246424

Volume deletion fails for alias volume being detected as in use
1. **Problem Description:** During deletion of an alias volume a microcode error can cause a cluster failover and failback when checking if the alias volume is in use.
2. **Potential Impact of Problem:** Cluster failover and failback
3. **Frequency of Problem:** Low, high if running WLM and traditional PAV on bundle 75.1.145.0

ID#: 247971

Improvements: Improvement for better usability

DSGUI shows inaccurate information in the System Summary panel
1. **Problem Description:** The DS GUI will display incorrect information in the System Summary panel due to a microcode error.
2. **Potential Impact of Problem:** Incorrect information about system performance is being provided to the user.
3. **Frequency of Problem:** Always

ID#: 246670

Enable SSH v2 on the HMC
1. **Problem Description:** SSH v2 has been enabled on the HMC, SSH v1 has been disabled on the HMC. This change removes security exposures in SSH v1 and improves HMC security.

2. Potential Impact of Problem: Improvement
3. **Frequency of Problem:** N/A
ID#: 242990

STAT tool provides invalid output if input files have different dates
1. Problem Description: The heat map output from the STAT tool is not accurate if the two input files have more than 1 day time difference.
2. Potential Impact of Problem: Heat map is inaccurate, no error posted
3. Frequency of Problem: Low, high if input file dates are greater than 1 day difference.
ID#: 246674

Volume migration requires all 'normal' ranks in target extent pool
1. Problem Description: Manual volume migration in EasyTier checks that all ranks in the target extent pool are in a normal state. This improvement will allow ranks in normal or reserved states to be used as targets for volume migration.
2. Potential Impact of Problem: Improvement, none
3. Frequency of Problem: N/A
ID#: 246073

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