

# **IBM System Storage - DS8800 Disk Storage**

## **Microcode Bundle 86.0.182.0 Release Note Information**

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**Date:** April 20, 2011

### **VRMF Level Data Results:**

<b>VRMF level From:</b>	<b>86.0.175.0</b>
<b>VRMF Level To:</b>	<b>86.0.182.0</b>
<b>Report for:</b>	<b>All DS8800</b>

## **Code Bundle Contents**

This table includes code component reference information.

<b>DS800 Code Bundle Level</b>	<b>SEA or LMC Version: Used with dscli ver command.</b>	<b>CLI Client Level</b>	<b>Storage Manager Code Level</b>
<b>86.0.182.0</b>	<b>6.6.0.345</b>	<b>6.6.0.345</b>	<b>5.6.0.1249</b>
<b>86.0.180.0</b>	<b>6.6.0.341</b>	<b>6.6.0.305</b>	<b>5.6.0.1249</b>
<b>86.0.175.0</b>	<b>6.6.0.335</b>	<b>6.6.0.305</b>	<b>5.6.0.1249</b>
<b>86.0.161.0</b>	<b>6.6.0.313</b>	<b>6.6.0.305</b>	<b>5.6.0.1220</b>

## **Overview of features and functions supported by DS8800**

### **At a glance:**

- This microcode bundle supports all features and functions supported in the previous 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) fixed and 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.**

#### **Channel Command Word WTD with early end can cause loss of access**

- 1. Problem Description:** When CCW chain contains the WTD command with an 'early end' a microcode error can result in a Data Storage Interrupt. This problem requires the length of data for the WTD command be more than one record and less than two records.
- 2. Potential Impact of Problem:** Loss of access
- 3. Frequency of Problem:** Low overall, high if early end is used frequently on WTD commands

ID#: 254445

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

NONE

### **Service: A recoverable error, Service improvements.**

#### **Storage enclosure card falsely reporting single port active**

- 1. Problem Description:** The Fibre Channel Interface Card in the storage enclosure can report single port active, both ports are actually active.
- 2. Potential Impact of Problem:** Invalid error reported, maintenance
- 3. Frequency of Problem:** Low

ID#: 257753

#### **ESSNI client command failures**

- 1. Problem Description:** When an ESSNI client disconnects some cleanup of HMC resources is required. If user2 logs on immediately after user1 logs off then ESSNI clients such as DSCLI will have command failures. SNMP trap off-load will not work when ESSNI is in this state
- 2. Potential Impact of Problem:** ESSNI client and SNMP trap issues
- 3. Frequency of Problem:** Low

ID#: 257061

### **Improvements: Improvement for better usability**

NONE

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