

IBM TotalStorage® DS8870 Disk Storage 1 **Microcode Bundle 87.20.501.501 Release Note Information v1**

Date: March 4, 2015

Code Contents

This update contains only Power Update microcode. The DS8870 Code Bundle, SEA (LMC), DSCLI client and Storage manager remain unchanged if only 87.20.501.501 is installed.

This Power Update is only applicable to the base code bundle levels listed in table 1.

Table 1: Power Update Only Code Load

Starting Level	Level to Acquire	Action	Image Version	Code Load time
87.20.xx.x	87.20.501.501	Power Update only	PowerVer00050	1.5 – 2.0 hours

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.

Service: A recoverable error, Service improvements.

DC-UPS firmware change to correct battery life calculation

1. **Problem Description:** Initial battery life was originally mis-configured for 7 years, rather than 5.5 years.
2. **Potential Impact of Problem:** No early warning that batteries are approaching end-of-life
3. **Problem Severity:** Service
4. **Pervasive Problem:** No

ID#: 296441

IBM TotalStorage® DS8870 Disk Storage

Microcode Bundle 87.20.501.501 Release Note Information v1

2

Trademarks and Notices

IBM, ESCON, AIX, FlashCopy, NUMA-Q, DYNIX/PTX, RS/6000, S/390 and AS/400 are registered trademarks and FICON, IBM TotalStorage and Enterprise Storage Server are trademarks of the IBM Corporation. Microsoft, Windows, Windows NT, Windows 2000 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States, other countries, or both. Intel is a registered trademark of Intel. UNIX is a registered trademark of The Open Group in the United States and other countries. Compaq and Tru64 UNIX are trademarks of Compaq Computer Corporation in the United States and other countries. Sun, Sun Microsystems and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries. Novell is a registered trademark of Novell, Inc. in the United States and other countries. Other company, product, and service names may be trademarks or service marks of others.

Disclaimer

THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. IBM DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY WITH RESPECT TO THE INFORMATION IN THIS DOCUMENT. BY FURNISHING THIS DOCUMENT, IBM GRANTS NO LICENSES TO ANY PATENTS OR COPYRIGHTS.

Note to Government Users

Documentation related to restricted rights -- Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract with IBM Corporation.