

IBM System Storage - DS8870 Disk Storage

Microcode Bundle 87.21.16.1 Release Note Information v1

1

Release Date: May 1, 2014

VRMF Level Data Results:

| | |
|-------------------------|-------------------|
| VRMF level From: | 87.21.16.0 |
| VRMF Level To: | 87.21.16.1 |
| Report for: | All DS8870 |

Code Bundle Contents

This table includes code component reference information.

| DS8870 Code Bundle Level | SEA or LMC Version: | DS CLI Client | Easy Tier Client | STAT Tool | Heat Map Transfer Utility | Storage Manager |
|---------------------------------|----------------------------|----------------------|-------------------------|------------------|----------------------------------|------------------------|
| 87.21.16.1 | 7.7.21.39 | 7.7.21.38 | 7.7.21.38 | 7.7.21.38 | 7.7.21.38 | 5.7.21.1012 |

Overview of new features and functions supported by this release on DS8870, 242x model 961

At a glance:

- 'VVL' Brocade Switch Reboot fix
- Global Copy Collision enhancement fix

This new microcode release only supports the DS8870.

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 High Impact** - Acute: An irrecoverable error with potential loss of data.
- Serious: An irrecoverable error with potential loss of access to data.
- 2 Moderate** - A function not operational and/or performance might be degraded.
- 3 Service** - A recoverable error (no impact) and service improvements.
- 4 Improvements** - Improvement changes for better Usability and Serviceability.

HIPER: High Impact problem that is Pervasive: 3 or more occurrences

IBM System Storage - DS8870 Disk Storage

Microcode Bundle 87.21.16.1 Release Note Information v1

2

Acute: An irrecoverable error with potential loss of data.

None.

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

Fabric login to a Brocade switch with VVL bit set causes reboot

1. **Problem Description:** If the Vendor Version Level (VVL) field has non-zero values then the Brocade switch will reboot. These bits will be set to all zeros when the DS8000 initiates fabric login to the switch.
2. **Potential Impact of Problem:** loss of access
3. **Problem Severity:** High Impact
4. **Pervasive Problem:** No

ID#: 294098

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

Global Mirror drain failure recovery

1. **Problem Description:** When the Global Copy Collision code is enabled, if a Global Mirror collision occurs together with a Global Copy collision, the Global Mirror collision may be queued behind the Global Copy transfer.
2. **Potential Impact of Problem:** Elongated consistency group times
3. **Problem Severity:** Moderate
4. **Pervasive Problem:** No

ID#: 296338

Service: A recoverable error, Service improvements.

None.

Improvements: Improvement for better usability

None.

IBM System Storage - DS8870 Disk Storage

Microcode Bundle 87.21.16.1 Release Note Information v1

3

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IBM System Storage - DS8870 Disk Storage

Microcode Bundle 87.21.16.1 Release Note Information v1

4

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