Release Date: May 5, 2017

VRMF Level Data Results:

<table>
<thead>
<tr>
<th>VRMF level From:</th>
<th>88.22.33.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRMF Level To:</td>
<td>88.22.34.0</td>
</tr>
<tr>
<td>Report for:</td>
<td>All DS8880</td>
</tr>
</tbody>
</table>

Code Bundle Contents

<table>
<thead>
<tr>
<th>DS8880 Code Bundle Level</th>
<th>SEA or LMC Version:</th>
<th>DSCLI Client</th>
<th>STAT Tool</th>
<th>Heat Map Transfer Utility</th>
<th>Storage Manager</th>
<th>Copy Services Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>88.22.34.0</td>
<td>7.8.22.87</td>
<td>7.8.22.87</td>
<td>7.8.22.87</td>
<td>7.8.22.87</td>
<td>5.8.22.1036</td>
<td>6.1.5</td>
</tr>
</tbody>
</table>

Overview of new features and functions supported by this release

At a glance:
- Bug fixes

This new microcode release supports DS8880 systems only.

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
**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/or performance may be degraded.

None.

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

**Flash Card firmware download does not complete**

1. **Problem Description:** If firmware download encounters an error, it continues on the next available Flash enclosure, leaving some downloads incomplete
2. **Potential Impact of Problem:** Incomplete firmware update
3. **Problem Severity:** Service
4. **Pervasive Problem:** No
   ID#: 326249

**Improvements:** Improvements for better usability

None.
IBM System Storage - DS8880 Disk Storage
Microcode Bundle 88.22.34.0 Release Note Information v1

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