IBM System Storage - DS8880 Disk Storage
Microcode Bundle 88.53.15.0 Release Note Information

Release Date: October 31, 2019

VRMF Level Data Results:

<table>
<thead>
<tr>
<th>VRMF level From:</th>
<th>88.53.5.0, 88.53.11.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRMF Level To:</td>
<td>88.53.15.0</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>Heat Map Transfer Utility</th>
<th>Storage Manager</th>
<th>Copy Services Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>88.53.15.0</td>
<td>7.8.53.45</td>
<td>7.8.53.35</td>
<td>7.8.53.35</td>
<td>5.8.53.1020</td>
<td>6.2.6</td>
</tr>
</tbody>
</table>

Overview of new features and functions supported by this release

At a glance:

- Code fix

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:

<table>
<thead>
<tr>
<th></th>
<th>High Impact</th>
<th>Moderate</th>
<th>Service</th>
<th>Improvements</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Acute: Irrecoverable error with potential loss of data.</td>
<td>A function not operational and/or performance might be degraded.</td>
<td>A recoverable error (no impact) and service improvements.</td>
<td>Improvement changes for better Usability and Serviceability.</td>
</tr>
<tr>
<td>2</td>
<td>Serious: Irrecoverable error with potential loss of access to data, or critical function.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

HIPER Start Secondary fails with MTIR
1. Problem Description: Unintentional Multi-Target Incremental Resync pairs can be created that point to themselves. Can cause HyperSwap failure in GDPS environments. Removal of these pair relations requires warmstart.
2. Potential Impact of Problem: HyperSwap failure
3. Problem Severity: HIPER
4. Pervasive Problem: Yes

ID# 345590

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

None.

Service: A recoverable error, Service improvements.

None.

Improvements: Improvements for better usability

None.
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