IBM System Storage - DS8880 Disk Storage
Microcode Bundle 88.11.18.0 Release Note Information v1

Release Date: July 31, 2016

VRMF Level Data Results:

<table>
<thead>
<tr>
<th>VRMF level From:</th>
<th>New version - no previous releases</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRMF Level To:</td>
<td>88.11.18.0</td>
</tr>
<tr>
<td>Report for:</td>
<td>All DS8880</td>
</tr>
</tbody>
</table>

Code Bundle Contents

<table>
<thead>
<tr>
<th>Code Bundle Contents</th>
<th>SEA or LMC Version:</th>
<th>DS CLI Client</th>
<th>STAT Tool</th>
<th>Heat Map</th>
<th>Transfer Utility</th>
<th>Storage Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS8880 Code Bundle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level</td>
<td>88.11.18.0</td>
<td>7.8.11.43</td>
<td>7.8.11.43</td>
<td>7.8.10.393</td>
<td>7.8.11.43</td>
<td>5.8.11.1021</td>
</tr>
</tbody>
</table>

Overview of new features and functions supported by this release on DS8884 283x model 980, DS8886 283x model 981, and DS8888 283x model 982

At a glance:

- Remaining R8.1 functional restrictions are lifted.
  - Full support for Thin Provisioned ESE CKD and FB volumes
  - Full Easy Tier support for small extents
- HPFE support for 800 GB Flash Cards
- Support CSM query of ERProduct switches and CS pokeables
- Support for model conversion from DS8870 to DS8886 with 3-phase power

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>Definition of Problem Severity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>High Impact</td>
</tr>
<tr>
<td></td>
<td>- Acute: An irrecoverable error with potential loss of data.</td>
</tr>
<tr>
<td></td>
<td>- Serious: An irrecoverable error with potential loss of access to data.</td>
</tr>
<tr>
<td>2</td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>- A function not operational and/or performance might be degraded.</td>
</tr>
<tr>
<td>3</td>
<td>Service</td>
</tr>
<tr>
<td></td>
<td>- A recoverable error (no impact) and service improvements.</td>
</tr>
<tr>
<td>4</td>
<td>Improvements</td>
</tr>
<tr>
<td></td>
<td>- Improvement changes for better Usability and Serviceability.</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.

None.

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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