Notes, cautions, and warnings

**NOTE:** A NOTE indicates important information that helps you make better use of your product.

**CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

**WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.
1 Release summary.........................................................................................................................................4

2 New Features and Enhancements..............................................................................................................5

3 Fixed issues..................................................................................................................................................6
   Fixed alerts and reporting issues....................................................................................................................6
   Fixed configuration and hardware issues.....................................................................................................6
   Fixed installation and update issues............................................................................................................6
   Fixed replication issues..................................................................................................................................7
   Fixed storage management issues...............................................................................................................7

4 Known issues................................................................................................................................................8
   Known installation and update issues..........................................................................................................8
   Known storage management issues...........................................................................................................8

5 Resources and support..................................................................................................................................9
   Related documentation.................................................................................................................................9
   Contacting Dell EMC.....................................................................................................................................10
Release summary

This document describes the new features, enhancements, fixed issues, and open issues in the GT280R006-01 firmware for ME4 Series storage systems.

Table 1. Document revision history

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A00</td>
<td>December 2019</td>
<td>Initial release of GT280R006-01 firmware</td>
</tr>
</tbody>
</table>

For a complete list of supported hardware and software, see the Dell EMC PowerVault ME4 Series Storage System Support Matrix on www.dell.com/support.
New Features and Enhancements

The following enhancements were made in this release of the firmware:

**CloudIQ Improvements**

Improved CloudIQ telemetry data payloads for future feature sets.

**PowerVault Manager Rebranding**

The name of the web browser interface for the storage system has changed to PowerVault Manager. In previous versions of the ME4 Series firmware and documentation, the PowerVault Manager was known as the ME Storage Manager (MESM).

**Software EULA in CLI**

A software End User License Agreement (EULA) is displayed the first time that the CLI is accessed.

**SupportAssist Automated Maintenance Mode and Firmware Updates**

If SupportAssist is enabled on an ME4 Series storage system:

- The ME4 Series storage system automatically enters and exits maintenance mode during a user-initiated reboot or during a firmware update.
- The ME4 Series storage system periodically checks if a firmware update is available. If a firmware update is available, an alert is generated and it is added to the storage system event log.
### Fixed alerts and reporting issues

The following fixed issues are related to alerts and reporting:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>51822</td>
<td>Suppress events from SupportAssist when the storage system is in manual maintenance mode.</td>
</tr>
<tr>
<td>51721</td>
<td>Suppress successful CloudIQ payload messages from the Event Viewer and report only CloudIQ error conditions to the Event Viewer.</td>
</tr>
<tr>
<td>51375</td>
<td>Intermittent failure to download logs using PowerVault Manager.</td>
</tr>
<tr>
<td>51165</td>
<td>Added network connection information to the Storage Controller logs.</td>
</tr>
<tr>
<td>51124</td>
<td>Corrected the error condition for event 648, which caused the following message to be displayed in the event viewer: Failed to initiate sending logs to SupportAssist. SupportAssist logs upload is in progress. Retry after 10-15 minutes.</td>
</tr>
</tbody>
</table>

### Fixed configuration and hardware issues

The following fixed issues are related to configuration and hardware:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>51873</td>
<td>The SCSI Product ID and model number fields are blank for Value Array Series storage systems.</td>
</tr>
<tr>
<td>51770</td>
<td>An IPv6 address is not assigned to the controller when the Auto option is selected from the Source drop-down menu.</td>
</tr>
<tr>
<td>51586</td>
<td>Removed Independent Cache Performance Mode (ICPM) settings.</td>
</tr>
<tr>
<td>51080</td>
<td>Added warning message during iSCSI setup when multi-server access is enabled.</td>
</tr>
</tbody>
</table>

### Fixed installation and update issues

The following fixed issues are related to installation and updates:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>51901</td>
<td>Downgrading an ME4 Series storage system from GT280 firmware to GT275 firmware might fail with the following error: PFU was unable to build package.</td>
</tr>
<tr>
<td>51899</td>
<td>The weekly schedule for firmware updates is set for Sunday at 12 AM. However, the schedule should be set to a random time.</td>
</tr>
<tr>
<td>51677</td>
<td>Drive firmware update is allowed to proceed without displaying a warning about service interruption.</td>
</tr>
<tr>
<td>51652</td>
<td>When the Easy Start wizard is used to set up Linear Storage, and the Assign dedicated spares to the disk group check box is selected in the Manage Spares page, the wizard displays multiple entries for the disk group name, and the navigation arrows are hidden.</td>
</tr>
<tr>
<td>51488</td>
<td>Customers can install, configure, and use unsupported drives on an ME4 Series storage system, until a rescan or reboot of the storage system occurs.</td>
</tr>
</tbody>
</table>
## Fixed replication issues

The following fixed issues are related to replication:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>51688</td>
<td>Unable to create peer connection on 10Gbase-T iSCSI controllers with IPV6 host ports configured.</td>
</tr>
<tr>
<td>50261</td>
<td>A user interface alignment issue occurs in PowerVault Manager when creating a replication schedule, modifying a queue policy, or modifying a peer connection.</td>
</tr>
</tbody>
</table>

## Fixed storage management issues

The following fixed issues are related to storage management:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>51431</td>
<td>In rare cases, controller failover might occur due to a PCIe link recovery failure.</td>
</tr>
<tr>
<td>51077</td>
<td>All spares are displayed as global spares even when spares are set up as dedicated spares.</td>
</tr>
<tr>
<td>50887</td>
<td>When a host without any mapping is created and added to an existing host group, the host gets added to the host group, but the Mapped flag is set to No.</td>
</tr>
</tbody>
</table>
The following sections list the known issues in the GT280R006-01 firmware:

Topics:
- Known installation and update issues
- Known storage management issues

Known installation and update issues

The following known issues are related to installation and updates:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
</table>
| 50140 | In rare cases, after installing a firmware bundle, event 235 is logged with details that include *Not Ready, enclosure services unavailable.*  
**Workaround:** Quiesce I/O to the storage system and then power cycle the controller enclosure. |

Known storage management issues

The following known issues are related to storage management:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
</table>
| 51833 | Performance issues with 10Gbase-T controllers and Intel Ethernet Converged Network Adapter X520.  
**Workaround:** Update to the latest version of the Intel Ethernet Converged Network Adapter X520 driver. Then, disable the interrupts in the Intel Ethernet Converged Network Adapter X520 driver. |
| 49962 | PowerVault Manager panels use inconsistent terms for SAS disks:  
- MDL and SAS MDL refer to spinning midline/nearline SAS disks  
- SSD and sSAS refer to SAS SSDs  
**Workaround:** None |
| 49055 | SLP for IPv6 and DNS is not supported.  
**Workaround:** None |
The following section provides resources for finding more information about ME4 Series storage systems:

**Topics:**
- Related documentation
- Contacting Dell EMC

**Related documentation**

**NOTE:** For all storage documentation, go to [www.dell.com/support/](http://www.dell.com/support/) and enter your system Service Tag to access your system documentation.

- Setting Up Your Dell EMC PowerVault ME4 Series Storage System – Provides an overview of hardware installation, system and storage setup, and host setup. This document is also shipped with your system.
- Dell EMC ME4 Series Storage System Getting Started Guide – Provides an overview of setting up your system and technical specifications. This document is also shipped with your system.
- Dell EMC PowerVault ME4 Series Storage System Deployment Guide – Provides information about deploying the storage system in the SAN architecture.
- Dell EMC PowerVault ME4 Series Storage System Owner’s Manual – Provides information about system features and installing or replacing system components.
- Dell EMC PowerVault ME4 Series Storage System Administrator’s Guide – Provides information about configuring and managing the system by using PowerVault Manager.
- Dell EMC PowerVault ME4 Series Storage System CLI Guide – Provides information about configuring and managing the system using the CLI.
- Dell EMC PowerVault ME4 Series vSphere Client Plug-in User's Guide – Provides information about installing and using the plug-in to monitor and manage an ME4 Series storage system from within the VMware vSphere Web Client.
- Dell EMC ME4 Series Storage Replication Adapter for vSphere User’s Guide – Provides information about installing the adapter to enable use of VMware vCenter Site Recovery Manager.

**Finding documentation**

- Dell EMC Support
  Provides documentation for Dell EMC storage products. Go to: [www.dell.com/support](http://www.dell.com/support).
- Dell EMC Tech Center
  Provides technical white papers, best practice guides, and frequently asked questions about Dell EMC Storage products. Go to: [https://en.community.dell.com/techcenter/storage](https://en.community.dell.com/techcenter/storage)

**Locating your service tag**

Your ME4 Series storage system includes a unique Service Tag and Express Service Code that identifies the system. The Service Tag and Express Service Code are found on the front of the system by pulling out the information tag. Alternatively, the Service Tag might be on a sticker on the back of the storage system chassis. This information is used to route support calls to appropriate personnel.

**NOTE:** Quick Resource Locator (QRL):

The QRL code contains information unique to your system. It can be found on the information tag and the Setting Up Your Dell EMC PowerVault ME4 Series Storage System poster. Scan the QRL to get immediate access to your system information, using your smart phone or tablet.
Documentation feedback

To rate the documentation or provide feedback, go to www.dell.com/support/ and click Feedback on the bottom of any page.

Contacting Dell EMC

Dell EMC provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell EMC for sales, technical support, or customer service issues, go to www.dell.com/contactdell.

If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or the product catalog.