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Microsemi Adaptec RAID Release Notes dated: May 2, 2018

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These release notes contain the following:

1. Description of the Release
2. Supported Controllers
3. Enhancements and Bugfixes

1. Description of the Release:

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This is the official software release containing the list of software components listed below:

- Series 7 Firmware Version 7.5.0 Build 32118
- Windows Driver Version 7.5.0.52013
- Linux Driver Version 1.2.1-52033
- VMware Driver Version 1.2.1-52033
- Solaris Version 7.5.0.41018
- FreeBSD Version 7.5.0.41063
- maxView Storage Manager (MSM) Version 2.05 Build 22932

2. Supported Controllers:

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- Microsemi Adaptec RAID 7805
- Microsemi Adaptec RAID 7805Q
- Microsemi Adaptec RAID 78165
- Microsemi Adaptec RAID 71605E
- Microsemi Adaptec RAID 71605
- Microsemi Adaptec RAID 71605Q
- Microsemi Adaptec RAID 71685
- Microsemi Adaptec RAID 72405

3. Enhancements and Bug Fixes:

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General:

- This is a firmware patch release for Series 7 controllers.

Firmware:

Series 7:

- Resolved an issue where an XFS filesystem was no longer accessible after a firmware upgrade.
- Resolved an issue where a single drive failure could result in a logical drive going offline if a read failure occurred in the metadata space.

Driver:

-General:

- NUMA support for the RAID controller products. This provides improved performance under NUMA CPU architectures.
- Added command coalescing support for RAID devices for small block sequential I/Os.

- Windows changes:

- Added support for Windows Server 2016
- Resolved an issue where, in a specific scenario, the driver would wait indefinitely after a controller ASSERT and not reset the controller.
- Resolved an issue where the controller time would not be properly set after a Soft Reset Time out.
- Resolved an operating crash issue related to a spinlock dead lock.
- Reduced the IOP RESET recovery time.
- Resolved a timeout issue discovered to be caused by a coalescing request that was not dequeued.

- Linux/VMware changes:

- Added support for building DKMS .DEB packages.
- Added support for SLES 12 SP1.
- Added support for building DKMS packages for Ubuntu kernels.
- Resolved an issue where some VMWare commands would time out immediately when issued, causing a link reset on the controller

maxView/ARCCONF:

- Added support for executing UART commands through ARCCONF.
- Added a new command in ARCCONF to enable/disable SMART poll on the controller for RAW drives.
- Fixed an issue where exceeding the backup unit temperature caused a permanent warning sign to display on the controller.
 - Root cause: There was no check to not render the warning icon when the CAP temperature in the backup unit went back to normal.
 - Fix: When the CAP temperature is back to normal, the rendering of the orange warning icon for CAP temperature is blocked.
 - Risk: Low
- Fixed an issue where every user was being assigned an administrator role regardless of their original role.
 - Root cause: Using the domain name, every user was getting the Admin role irrespective of his original role.
 - Fix: Correct user roles are identified using domain-level authentication as well.
 - Risk: Low
- Miscellaneous UI changes/enhancements.

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