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Microsemi Adaptec RAID Release Notes dated: August 15, 2017
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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 6 Firmware Version 5.3.0 Build 19204
- Windows Driver Version 7.5.0.52013
- Linux Driver Version 1.2.1-52011
- VMware Driver Version 1.2.1-52040
- Solaris Version 7.5.0.52025
- FreeBSD Version 7.5.0.52013
- maxView Storage Manager (MSM) Version 2.04 Build 22665

2. Supported Controllers:
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- Microsemi Adaptec RAID 6405
- Microsemi Adaptec RAID 6405E
- Microsemi Adaptec RAID 6405T
- Microsemi Adaptec RAID 6445
- Microsemi Adaptec RAID 6805
- Microsemi Adaptec RAID 6805E
- Microsemi Adaptec RAID 6805T
- Microsemi Adaptec RAID 6805TQ
- Microsemi Adaptec RAID 6805Q

3. Enhancements and Bug Fixes:
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General:

- Microsemi Adaptec Series 6 SAS RAID Controllers patch release.

Firmware:

Series 6:

- Resolved an issue of incorrect BIOS default settings.
- Resolved an issue where drives failed to be detected during initialization if only SATA drives were connected.
- Updated BIOS Copyright year.

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 Ubuntu 16.04.
- Added support for RHEL 6.8.
- Added support for building DKMS .DEB packages.
- Added support for Ubuntu 14.04.4.
- Added support for SLES 12 SP1.
- Added support for building DKMS packages for Ubuntu kernels.

- Added support for Power KVM 3.1.0.1, 3.1.0.2 and Ubuntu 14.04.3 for Open Power.
- Resolved an issue where after installing the CIM provider, attempting to access the datastore would cause the system to freeze.

- FreeBSD changes:
 - Resolved an issue where an IOP_reset occurred with solaris 10U9 when executing ARCCONF command.
 - Resolved a compatibility issue discovered in the previous released version of the Solaris drivers that would cause the drivers to crash.

- Solaris changes:
 - Resolved an issue where drives were not detected on Series 6 during a Solaris 10 installation.
 - Resolved an issue where a Series 6 controller and drives were not detected after driver update.

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