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Adaptec RAID Release dated: August 4, 2014
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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:

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

- Firmware Version 7.5.0 Build 32033

- Windows Driver (32-bit and 64-bit) Version 7.5.0.32028

- Linux Driver Version 1.2.1-40700

- VMware Driver Version 1.2.1.-40700

- maxView Storage Manager (MSM) Version 1.06 Build 21062

2. Supported Controllers:

- Adaptec RAID 7805
- Adaptec RAID 7805Q
- Adaptec RAID 78165
- Adaptec RAID 71605E
- Adaptec RAID 71605
- Adaptec RAID 71605Q
- Adaptec RAID 71685
- Adaptec RAID 72405
- Adaptec RAID 8405
- Adaptec RAID 8805
- Adaptec RAID 8885
- Adaptec RAID 8885Q
- Adaptec RAID 81605ZQ

3. Enhancements and Bug Fixes:

General:
- New product release of the Adaptec RAID 8405 controller
- Added support for up to 128 Simple Volumes
- Re-enabled 16/32K Stripe size support
- Enhanced Error Analysis & Recovery
- Added support for global device write cache setting force off

Firmware:
- Resolved an issue where a drive assigned as a hot spare would continue to be report as a hot spare after being pulled into a RAID array
- Resolved an IO Error issue seen on Simple Volumes created using 4k drives during heavy I/O
- Enhanced error handling of drives with medium errors
- Resolved an issue where hot removing drives from a multi-level array (i.e. RAID 60) would incorrectly force another configured RAID array on the same controller to go offline
- Resolved an issue where performance was low when NUMA was enabled
- Resolved an issue where incorrect status was being reported of individual legs during a rebuild of a multi-level RAID array
- Resolved an issue where a rebuild would not occur if a drive failure occurred before a RAID level migration completed
- Resolved an issue where system performance slow down could occur after sustaining a drive failure with a RAID 1E array
- Resolved an issue where all pHY's on a controller were not being displayed in management utilities
- Resolved an issue where Identify and Fault LED blinking was incorrect on Series 8ZQ
- Resolved issues where cache settings were not being properly applied or maintained
- Enhanced medium error handling during RAID rebuilding
- Resolved an issue where drives were not always detected when hot-plugged
- Resolved an issue where the controller would stop responding after starting a RAID level migration
- Added events in Windows system event log for an unsafe shutdown where controller cache data was lost
- Resolved an issue where RAID rebuild would not occur after hot remove and add of the same drive occurred

Driver:

- All Operating Systems:
- Support for new Adaptec RAID 8405

- Added support for up to 128 Simple Volumes

- Windows changes:
- Added events to the system event log for AFM and logical drive add/delete
- Resolved an issue where the controller cache mode would incorrectly be set to Disabled without user interaction
- Resolved an issue where events were not being generated in the Windows event log under Windows 8
- Resolved an issue where deleting an logical drive higher than 64 would not remove it from Disk Management

- Linux/VMware changes:
- Added support for RHEL 5.10

-FreeBSD changes:
- Resolved an issue where the enclosure expander firmware could not be upgraded using the ARCCONF EXPANDERUPGRADE command in FreeBSD

-maxCache Plus changes:
- Added support for some asynchronous hot data movement between tiered volumes
- Resolved an issue where hot data was no longer being identified and moved resulting in no performance gain
- Resolved an issue where a simple volume cache pool did not come back online if recovered from a failure
- Resolved an issue where Fetch and Flush mode settings were not being correctly set during Volume creation
- Resolved an issue where the PMCSPolicyServive service would terminate unexpectedly

maxView/ARCCONF:
- Added support for up to 128 Simple Volumes
- Added support for AutoVolume mode
- Added global physical device cache settings
- Added settings available in CTRL-A to ARCCONF
- Added maxView support for Citrix XenServer 6.2
- Enhanced Phy error log
- Corrected an issue where maxView would incorrectly report fan speed in an enclosure when fan speed was over 10,000 RPM
- Resolved an issue where maxView was forcing applications (such as SSH, PHP, etc...) in Linux to use it's version of libCrypto library, causing a version mismatch and preventing them from running
- Resolved an issue where the arcconf.log was growing in size and filling the system's partition under Linux
- Resolved an issue preventing a RAID level migration using maxView
- Resolved an issue where maxView would not display a connected tape device
- Corrected an issue where the Restore Configuration feature in maxView would not properly restore the saved configuration
- Resolved an issue when installing maxView in Solaris configuring a non-default CIMServer port would cause a login failure
- Resolved an issue where attempting to create multiple RAID arrays in maxView would fail
- Resolved an issue where changes made in Set Controller Properties in maxView were not being applied
- Resolved an issue where maxView login would fail under SLES 10 SP4
- Removed a limitation preventing maxView from displaying more than 64 logical devices
- Resolved an issue where the logical drive members were not being displayed for a logical drive in maxView during a RAID reconfiguration (migration)
- Resolved an issue where Express Configuration RAID creation would fail if configured RAW devices were present on the controller
- Resolved an issue where Customer Mode installation would fail for maxView 32-bit
- Resolved an issue where events were not generated in maxView when power management was disabled for a physical device
- Resolved truncated text in maxView when using Chrome or Opera browsers
- Resolved an issue where ARCCONF getstatus was not displaying secure erase activity
- Resolved an issue that would prevent the ability to stop tasks in maxView under Windows SBS 2011
- Resolved an issue where the task percentage was not updating for maxCache flush and coherency check processes in maxView
- Added Alarm status to ARCCONF GETCONFIG
- Added separate MAXCONF executables, no longer requiring maxView GUI to be installed in order to use
- Resolved an issue where a RAID array comprised of 4k physical drives could not be expanded or migrated in maxView
- Resolved an issue where the controller would disappear form the Enterprise tree in maxView during heavy I/O
- Resolved an issue where a logical drive that has completed an Online Capacity Expansion was not able to be deleted in maxView
- Resolved an issue where the wrong controller name was being displayed in maxView for a remotely managed system

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