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Adaptec RAID Release dated: December 9, 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:
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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 1.07 Build 21229

2. Supported Controllers:
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- 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:
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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 PMCSPolicyService service would terminate unexpectedly
- maxView/ARCCONF:
 - Upgraded JRE packages to version 1.6 with latest security updates
 - Upgraded OpenSSL to version 1.0.1J
 - Added vSphere Web Client plug-in
 - SNMP support added
 - Added option to delete all logical devices from the tree in enterprise view
 - Added option to initialize/un-initialize drives from the tree in enterprise view
 - Added physical device state in enterprise tree for quick view of the device status
 - Added support for upgrading controller or device firmware in tree view
 - Added progress and percentage display for long running tasks in tree view, properties tab, summary tab
 - Added Save and Restore config support for Linux and Unix operating systems
 - Updated Express RAID configuration algorithm to only handle physical drives of the same size and interface, otherwise an error message will be displayed that no optimal logical devices can be added using Express configuration
 - Resolved an issue where maxView would not automatically logout an active user session after an extended period of time
 - Resolved an issue where the logical drive creation process was taking longer when controller was configured in simple volume mode
 - Resolved an issue where maxCache container creation would fail in maxView if "Preservecache" was enabled via ARCCONF
 - Resolved an issue where maxCache containers were not restored after performing a "restore configuration"
 - Added progress bar Virtual Pool/Volume deletion and "Add System" processes
 - Resolved an issue where the enclosure slot info wasn't present for some physical drives
 - Resolved an issue where drives that have tasks currently running on them were available for initialization
 - Resolved an issue where the "CN" parameter was missing from the ARCCONF GETCONFIG command help menu
 - Resolved an issue where attempting to set the Consistency Check Period of greater than 10 days would result in an error
 - Resolved an issue where entering a username containing a space would result in an error
 - Resolved an issue where the maxView Storage Manager Agent and CIM Server weren't properly installed when performing a silent install in Windows
 - Corrected a login issue in a GuestOS under XenServer 6.2
 - Added RAID consistency check period to controller properties tab
 - Corrected a display issue where multiple drives forced offline would still show as present with the RAID showing Optimal

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