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Adaptec RAID Release dated: May 5, 2013
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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 7.2.0 Build 30260
- Windows Driver (32-bit and 64-bit) Version 7.2.0.30261
- Linux Driver Version 1.2.1-30200
- maxView Storage Manager (MSM) Version 1.02 Build 20425

2. Supported Controllers:
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- Adaptec RAID 7805
- Adaptec RAID 7805Q
- Adaptec RAID 71605E
- Adaptec RAID 71605
- Adaptec RAID 71605Q
- Adaptec RAID 71685
- Adaptec RAID 72405

3. Enhancements and Bug Fixes:
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Firmware:

- Added dual firmware image support
- Super capacitor charge is now displayed in Host utilities
- Added super capacitor lifetime prediction
- Increased max outstanding IO to 1024, to improve performance on spinning disks on high queue depth random IO
- Resolved an issue where Redhat 6.4 inbox driver would not load
- Resolved an issue which would cause a corrupt GPT partition after reboot using 3 TB Raw Drive
- Rebuilds no longer occur in parallel on multiple containers that share the same physical drives
- Resolved an issue that would cause a controller kernel PANIC when a SC846Ex expander is attached
- Resolved an issue where a RAID volume could not be deleted from BIOS
- Resolved an issue where a failed array could not be deleted from BIOS
- Fixed an issue where the controller cannot initialize with defective drive connected
- Resolved an issue where Controller Kernel Stopped Running when attempting to create a RAID 10 using Clear Method
- Resolved an issue where build/verify failed on the second logical drive after the first completed on the same physical drives
- Fixed an issue that would lead to a firmware crash during the mkfs command on SLES 11 x64 SP2
- Copyback implemented for uninitialized drive
- Resolved an issue where Remote Arcconf (VMware ESXi 5.0) can't delete the logical drives from Windows 7 x64 GuestOS.
- Resolved an issue where SMC 846EL2(SAS2X36) with FW 0e0b would not detect any drive
- Resolved an issue where a removed simple 'Volume' is not shown as 'offline'
- Resolved an issue where controller alarm doesn't stay on when hot removed enclosure with IO running
- Resolved an issue where BIOS setting changes would not save after reboot
- Resolved a firmware hang condition when performing Online Capacity Expansion on a RAID

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- UEFI Disk Utilities now shows pass or fail result/completion after disk verify
- Changed message to Not supported (SES/SGPIO mode only) when attempting to Identify/blink drives on a passive backplane
- Resolved an issue where blinking a drive would result in the wrong drive blinking in Promise enclosures
- Resolved an issue where a RAID rebuild would not start if same drive was re-inserted
- Resolved a controller hang issue when using the ACU utility to check on the build task progress of RAID-5 arrays
- Resolved an issue with wrong status being reported after R6/R60 rebuild completes
- Resolved an issue where RAID 0 maxCache Container is not converted to Simple Volume when there is a drive failure
- Resolved an issue where incorrect array ID and RAID level were displayed in UEFI Manage Array menu
- Resolved an issue where smartctl -x /dev/xxx fails on SATA drives
- Modified messaging for Global Hot Spare in UEFI
- Resolved an issue where SSDs partially used for a maxCache container were not available for RAID creation in UEFI
- Changed spare messaging in HII
- Resolved an issue where the bottom border was missing when displaying R50 or R60 with 7 members on each leg
- Resolved an issue where CRC errors were causing drives to be marked offline
- Resolved an issue where periodic performance drops would occur due to enclosure management communication

Driver:

- Windows changes:
 - Added 1024 command support
 - Fixed an issue with SysPrep
- Linux changes:
 - Added 1024 command support
 - Fixed SCSI dma mapping failure case handling <http://git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git;a=commit;h=0b4334473d48aa18e8448f9f718f1dcd0398c550>
 - Added new OSES support related changes for:
 - RHEL 5.8 XEN kernel support
 - RHEL 6.3
 - Fedora 17
 - Ubuntu 10.04.3
 - Ubuntu 10.04.4
 - Ubuntu 12.04.1
 - Debian 6.0.5
 - Debian 6.0.6
- FreeBSD changes:
 - Added 1024 command support
 - Failed to install FreeBSD 9.0 on a RAW drive (HBA mode)
- Solaris changes:
 - Added 1024 command support
 - Fixed Errors on ZFS file system transfers in HBA mode and on redundant arrays

maxView/ARCCONF:

- New supplemental Adaptec Event Manager released
- Added dual firmware image support to maxView and ARCCONF
- Made further general performance enhancements to maxView interface
- Added support for displaying the AFM-700 serial number in ARCCONF
- Resolved an issue where maxView would fail to connect to login under Fedora 17
- Resolved inconsistent behaviour of coherency check between maxView and ARCCONF
- Added enclosure speaker status property in maxView
- Resolved incomplete fan and temperature sensor status in ARCCONF
- Resolved an issue where ARCCONF would start all migrations at once
- Resolved an issue where maxView would display RAID status as impacted if skip init method was used
- Resolved an issue that would prevent creating logical drives on maxCache members with available space in ARCCONF
- Resolved a display issue in maxView with resource tab if system has more than 3 controllers installed
- Resolved an issue in maxView where hot spare is always listed as NO when using express

configuration

- Resolved an issue where scroll bar would not stay in place when selecting drives for online capacity expansion in SLES 11 SP2
- Resolved an issue in maxView that would prevent devices from showing up when attempting to create a maxCache container
- Enhanced messaging when attempting to delete a maxCache container that is enabled for logical drives
- Resolved an issue that allowed drives currently undergoing a secure erase to be available for RAID creation in maxView
- Resolved an issue that would prevent hot spares from being created using ARCCONF if build/verify tasks were running in the background
- Resolved an issue where data in free column resource tab of the controller was incorrect if entire drive space was allocated
- Resolved an issue where resource tab of the controller overlapped maxCache container table in maxView
- Added NCQ status for SATA drives and Supported Power States for all drives
- World Wide Name now displayed in ARCCONF for SSD drives
- Resolved an issue where power management details were not updating in maxView
- Resolved an issue where RAID cache settings could not be changed in maxView
- Updated messaging of Force Offline option in maxView
- Updated messaging when attempting to change logical drive properties in maxView while a background task is running
- Resolved an issue where the Verify option was not available for logical drives created using quick-init method
- Resolved an issue in maxView where logical and physical devices were removed from the enterprise view when a Verify or Verify with Fix task was started
- Resolved several maxView option inconsistencies when a controller is set to HBA mode
- Resolved an issue that prevented ARCCONF from creating a simple volume on large physical drives (i.e. 4TB)
- Resolved an issue where no controllers were detected in maxView
- Resolved an issue where an impacted array would be displayed as optimal in summary tab of maxView
- Added the ability to delete an array in ARCCONF if there is an active partition
- Added support for UTF-8 character support for maxView login
- Resolved an issue that prevented a remote system from being added in maxView
- Resolved an issue where the wrong size was displayed in maxView migrate/expand wizard
- Silent install support added for Linux maxView RPM
- Save archive option was renamed to archive management and the ability to clear all logs was added to maxView
- Resolved an issue where unused space on a hotspare was incorrect in ARCCONF
- Resolved an issue where logical drive size was incorrectly displayed under logical device node in maxView
- Added Parity Space to logical device info in ARCCONF
- Added Global and Dedicated descriptions to hot spare displays in ARCCONF

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