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Adaptec RAID Release dated: April 16, 2010
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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 5.2.0 Build 17899

- Windows Driver (32-bit and 64-bit) Version 5.2.0.17899

- SCO UnixWare and OpenServer Driver Version 5.2.0.17899

- FreeBSD Driver Version 5.2.0.17899

- Solaris Driver Version 5.2.0.17899

- Linux Driver Version 1.1.5-26400

- Adaptec Storage Manager (ASM) Version 6.50 Build 18570


2. Supported Controllers:
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- Adaptec RAID 5405
- Adaptec RAID 5405z
- Adaptec RAID 5445
- Adaptec RAID 5445z
- Adaptec RAID 5805
- Adaptec RAID 5805Q
- Adaptec RAID 5805z
- Adaptec RAID 5805ZQ
- Adaptec RAID 5085
- Adaptec RAID 51245
- Adaptec RAID 51645
- Adaptec RAID 52445
- Adaptec RAID 2405
- Adaptec RAID 2405Q
- Adaptec RAID 2045


3. Enhancements and Bug Fixes:
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- With this release, all files are now available on a single bootable DVD which replaces the Adaptec
CD's.
- Improved the overall random read IOPS with multiple SSDs.
- Upgraded the Java platform used by Adaptec Storage Manager to version 1.6.
- Upgraded the Adaptec Boot DVD to use a 2.6 Linux Kernel, allowing greater then 2TB logical volumes to
be created.
- Added MaxIQ support for Intel X25-E 64GB SSDs.
- Added new MaxIQ storage controllers for added SSD selection flexibility (2405Q, 5805Q, 5805ZQ).
- Added support for doing ATA Security Erase command for SATA drives from the ARCCONF utility.
- Added functionality to display the SMART tags and their values within Adaptec Storage Manager.
- Added new informational and statistical detail for SSD and MaxIQ monitoring within Adaptec Storage
Manager and ARCconf, please see documentation.
- Added an additional check to RAID Level Migration to limit available RAID options based on number of
drives in the existing RAID array.
- Added functionality to SNMP to provide Power Management status and MaxIQ information.
- Added enclosure ID to power supply events in Adaptec Storage Manager.
- Added Event Email Notification Coalescing to Adaptec Storage Manager, that will allow a single event
email be sent that lists multiple events in the single email. Depending on the failure conditions, this
can greatly reduce the total number of event emails sent to the user.
- Added true Hybrid Array load balancing for RAID 1 and RAID 10 configurations (where SSD and HDD drives
are mixed), ensuring that reads will always occur from the SSD drives contained in the mirrored set
versus the HDD (spinning media).
- Added the ability to change the default SMTP port used by Adaptec Storage Manager.
- Added the ability to add/remove multiple SSD's to/from the MaxIQ cache pool within Adaptec Storage
Manager.

- Added a command line option to the ARCConf utility to save support files, similar to functionality already in Adaptec Storage Manager.
- Fixed an issue where updating the ESX 4.0 driver would result in the system booting into recovery shell. You should now be able to update the driver when the Adaptec card is being used as the boot controller.
- Fixed an issue where the controller would hang and the OS might become unresponsive if one or more attached drives were configured as JBOD under heavy I/O loads.
- Fixed an issue where the array size capacity would differ slightly, if created using Adaptec Storage Manager versus within the CTRL-A BIOS.
- Fixed an issue where an array would not rebuild if one of the drive members was initialized and then setup as a hot spare.
- Fixed an issue where Adaptec Storage Manager would lose communication with the agent during an Online Capacity Expansion (OCE).
- Fixed an issue where Western Digital WD2002FYPS drives would drop under heavy I/O on Adaptec High-Port controllers.
- Fixed an issue that would prevent installing or booting Windows 7/2008R2 from a CD/DVD drive attached to an Adaptec controller.
- Fixed an issue where a secure erase would not continue upon reboot.
- Fixed an issue where the MaxIQ cache pool configured using the ARCConf utility would result in an incorrect total size when SSD drives of different capacities were used.
- Fixed an issue that would prevent a user from being able to log-in to manage a remote system in the Linux version of Adaptec Storage Manager.
- Fixed an issue that would prevent flashing multiple Adaptec controllers at once using the Adaptec Flash Utility (AFU).
- Fixed an issue where the enclosure would blink Red LED's on arrays created using the Quick Init method.
- Fixed an issue where pressing F6 to Load Defaults within the CTRL-A BIOS would not set the Phy Rate to Auto.
- Fixed an issue in Adaptec Storage Manger where the cursor was not visible when changing Power Management values.
- Fixed an issue with Adaptec Storage Manager and the ARCConf utility that would prevent flashing the firmware of Solid State Drives (SSD).
- Fixed an issue where a BlinkLED error would occur if the Stripe Size was changed on an existing array.
- Fixed an issue that would prevent the identify feature within the ARCConf utility from working properly in FreeBSD 7.