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 5.2.0 Build 19147
- Windows Driver (32-bit and 64-bit) Version 7.4.0.30850
- Linux Driver Version 1.2.1-40300
- VMware Driver Version 1.2.1.-40301
- maxView Storage Manager (MSM) Version 1.06 Build 21062

2. Supported Controllers:

- Adaptec RAID 6405
- Adaptec RAID 6405E
- Adaptec RAID 6405T
- Adaptec RAID 6445
- Adaptec RAID 6805
- Adaptec RAID 6805E
- Adaptec RAID 6805T
- Adaptec RAID 6805TQ
- Adaptec RAID 6805Q

3. Enhancements and Bugfixes:

- Identified and resolved a PCIe initialization issue where Series 6 & 6E RAID controller would not display at system POST and possibly hang the system from booting in some motherboards
- Resolved an issue where hot plug was not working properly with Intel RES2SV240 and RES2CV360 expanders
- Copyback operation will be performed if a drive is discovered with a corrupted MBR
- Resolved an issue where attached drives with 4k sector size support were causing a controller panic. Series 6 controllers do not support Native 4k sector size drives
- Resolved an issue where drive write cache policy settings were not being retained for drives hot removed/added
- Resolved an issue where the controller would stop responding if a drive was hot removed/added within quick succession
- Resolved an issue where an array rebuild was not starting if multiple array rebuilds were occurring concurrently
- Resolved an issue where WD drives weren't detected if jumpered for staggered spin-up
- Resolved an issue where a faulty drive would prevent remaining good drives from being discovered
- Improved medium error handling for RAID 1 and RAID 1E
- Resolved an issue where drives were not detected in an SMC 846EL2 enclosure
- Resolved an issue where controller would not be detected after a soft reboot on an Asus P8 series motherboard

Driver:

- All Operating Systems:
- MSIX support
- Performance enhancements
- Support for new Series 8 Family

- Windows changes:
- Resolved an issue that prevented the installation of Windows 8/2012 on an RAW drive when controller set to RAID mode
- Resolved BSOD condition when attempting sleep mode state change in Windows 8

- Linux changes:
- Added DKMS driver support for Fedora kernel versions 3.8 and 3.9.
- Resolved an issue where the displayed logical device name was truncated if greater than 15 characters
- Resolved an issue where there was a discrepancy between the reported size of a logical device at creation versus what is made available to the operating system
- Corrected an issue that would cause a kernel hang during a driver re-load
- Corrected an issue that could cause a kernel panic under VMware (4.1/5.0/5.1/5.5) during a reboot
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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