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 1.07 Build 21229

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 Bug Fixes:

- 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 DRMKs 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:
- 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 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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