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 7.4.0 Build 30862
- 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 1.04 Build 20853

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 8805
- Adaptec RAID 8885
- Adaptec RAID 8885Q
- Adaptec RAID 81605ZQ
- Adaptec RAID 8885Q
- Adaptec RAID 81605ZQ

3. Enhancements and Bug Fixes:
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General:
- New product release of the Series 8 Adaptec RAID Controller Family
- Added 4k native sector support
- Added two new controller modes, RAID: Expose RAW mode and RAID: Hide RAW mode
- Added Save Support Archive feature to UEFI
- Drive spinup staggering control added to CTRL-A and ARCCONF
- Added maxCache Plus support for 8Q/8ZQ

Firmware:
- Resolved an issue that could result in Host IO errors, RAID Volume state changes, non-responsive systems, and system reboots or resets in rare cases where extremely high IO loads are served almost entirely from controller cache
- Resolved an issue that could cause a controller BlinkLED during a RAID 5 expansion or migration
- Resolved an issue with Global Hot Spare assignments when 512b and 4k drives are inter-mixed
- Resolved an issue where USB keyboard would cease to function with Series 7 installed
- Silencing the alarm within the UEFI BIOS now functions properly
- Corrected a discrepancy issue with max RAID size when created via UEFI versus CTRL+A
- Improved random write cache algorithms and enhanced disk ramp-up time
- Support for ATA passthrough non-data commands
- Enhanced hot remove/add detection and reporting
- Resolved an issue where maxCache read cache was disabled if no AFM was attached
- Resolved an issue where a drive could be marked offline due to excessive aborted commands
- Resolved an issue where a kernel panic could occur on the controller when large number of logical devices were configured
- Corrected an issue where a RAID 0 with a failed member would report as "Degraded" in UEFI BIOS, instead of "Offline"
- Resolved a BSOD issue with a bootable RAW drive when controller switched to auto-volume/RAID mode
- Resolved an issue where a hot added drive enclosure with no drives installed would appear as a drive in maxView/ARCCONF
- Resolved an issue where ARCCONF was reporting inaccurate latency values
- Fixed several incorrect statistics reported in ARCCONF Stats output
- Resolved an issue where <F6> would not load controller defaults
- Physical devices are now sorted by enclosure in UEFI HII
- Resolved an issue where drives were not detected when multiple SMC enclosures are attached
- Added support for SATA drives in Raw Mode to work in SEC4 and SEC5 security states
- Corrected an issue that would result in an error of "Not Enough Available Space" when attempting to create an array in UEFI HII
- Corrected an issue that would prevent the deletion of a RAID in UEFI HII if created in CTRL-A
- Resolved an issue preventing Windows 2012 from resuming after sleep

Driver:
- All Operating Systems:
- 4k native sector support
- 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 events were not properly propagating into maxView event log
- Corrected an issue where the controller would disappear from maxView after attempting to delete a logical device
- Resolved an issue where maxView would cease working after a system reboot
- Resolved an issue where maxView would not launch under SLES 11 SP3
- Enhanced maxView user login operation
- Resolved an issue where PLAYCONFIG option in ARCCONF was not functioning
- Resolved an issue where a successful drive firmware update operation in maxView would incorrectly report as failed
- Resolved an issue where maxView would be inoperable due to blue screen within browser window
- Resolved an issue where NCQ setting change was not being properly reflected in maxView
- Corrected an issue that would prevent the deletion of a failed logical device in maxView and ARCCONF
- Enhanced event monitor under Linux
- Added event type filtering to event notification configuration in maxView
- Corrected an issue where maxCache Write Cache could not be disabled in maxView
- Corrected an issue where the maxCache pool size was incorrectly displayed in maxView
- Resolved a display issue with the locate logical device/maxCache wizard

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