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 1.05 Build 20942

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 8885
   - 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
   - Resolved an issue where a controller BlinkLED during a RAID 5 expansion or migration
   - Resolved an issue where USB keyboard would cease to function with Series 7 installed
   - Resolved an issue where maxCache Plus support for 8Q/8ZQ
   - Silencing the alarm within the UEFI BIOS now functions properly
   - Resolved an issue where maxRAID 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 a 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:
- maxView architectural changes have been made to significantly improve UI responsiveness
- Email recipient for event notification is now customizable
- Tape driver support has been added to the maxView user interface
- Resolved an issue where the "Cache flush and fetch rate" setting for a maxCache container could not be changed
- Resolved an issue where the drive firmware version was not updating after successfully flushing updated drive firmware in maxView
- Resolved an issue where newly created RAID arrays were not properly updating in VMware GuestOS maxView
- Resolved an issue where the array status would incorrectly display as optimal for a redundant array with a failed member
- Resolved an issue where the Verify option was greyed out after a RAID array was created using build/clear method
- Resolved an issue where logical device resources were not properly displayed during a RAID reconfiguration
- Identified an issue that would prevent a user from logging into maxView after installation on Solaris 11
- Identified an issue preventing an online capacity expansion (OCE) from being performed using ARCCONF
- Resolved an issue where maxView was unable to blink drive LED with Chenbro enclosures
- Resolved an issue that would prevent read and write logical drive cache settings from being changed at the same time
- Resolved an issue where Verify or Verfiy w/ fix operation could not be performed on a maxCache container
- Resolved an issue where a virtual pool creation within maxConf would fail if pool was created in maxView
- Identified and resolved an issue where an array wasn't showing protected by a hotspare after the completion of a copyback
- Resolved an issue where no information was appearing in the "Resources" tab in maxView for a RAID volume

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