

ReleaseOrderPkg ID: SCGCQ01184445 [Open In CQWeb](#) [Download](#)

Headline: MR 5.14 MR_iMR_TB LSI Point release package - Release_iMR__3.460.114-6464_MR_3.460.115-6465

Package_Type: MR Thunderbolt MR_iMR_TB Release Package

Tier Account: LSI Generic

Package_Version: 23.34.0-0019

Date Generated: Sep 16, 2016

- [SCGCQ01184447 - Point Release: MR_FW_SAS2.5_5.14 - 3.460.114-6464 iMR Firmware](#)
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- [SCGCQ00908099 - MR 6.9/5.14 UEFI Driver \(2208, 3108 and 3324\) 0x06110200 \(SIGNED\)](#)
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- [SCGCQ00258748 - 11M06 TB ROMENV Release](#)

Point Release (SCGCQ01184447) - iMR Firmware - 3.460.114-6464

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ReleaseOrderID: SCGCQ01184447 [Open In CQWeb](#) [Download](#)

Headline: Point Release: MR_FW_SAS2.5_5.14 - 3.460.114-6464 iMR Firmware

Release Version: 3.460.114-6464

Product Org: MegaRAID

Product Gen: SAS2.5

Product Family: MR_FW

UCM Project: MR_FW_SAS2.5_5.14

Release Type: Point

UCM Stream: MR_FW_SAS2.5_5.14_Rel

Owner: buildsvc

Release Baseline: MR_FW_SAS2.5_5.14-2016-09-16-3.460.114-6464_REL_1474055582@
MegaRAID

Release Date / Time: 16-SEP-16

Release Type: Point

iMR Firmware Defects Fixed (7):

Defect ID: SCGCQ01157490

Headline: copyback=off reverts to on after restart/ocr

Description Of Change: Copyback will now retain its setting across boots.

Issue Description: Copyback was being set to ON after any reboot or OCR

Steps To Reproduce: Set Copyback = OFF and reboot system

Defect ID: SCGCQ01181295

Headline: Copyback not automatically initiating when manually setting drives to Unconfigured_Good

Description Of Change: FW will begin copyback on drives manually converted to Unconfigured Good

Issue Description: Copyback not automatically starting when manually converting drives to unconfigured good

Steps To Reproduce:

- 1- Physically pull drive from slot 0.
- 2- Hotspare drive engages and rebuilds successfully.
- 3- Take pulled drive to another server and insert drive.
- 4- Drive shows as Foreign UG
- 7- Clear foreign configuration.
- 8- Drive is now UG.
- 9- Pull drive or select Prepare for Removal.
- 10- Re-insert drive into original server.
- 11- Drive is marked as UB.
- 12- Change drive to UG.
- 13 Copyback will not start.

Defect ID: SCGCQ01118285

Headline: Data Miscompare found during recovery of CacheCade pinned windows across OCR/Reboot or discard of CacheCade pinned windows while CacheCade degrade flush in progress

Description Of Change: At Boot/OCR time, in presence of pinned cache move all unpinned windows of a degraded CCVD windows to read-only. Such that there won't be any dirty windows generated and only pinned windows are need to be flushed as part of pinned cache recovery. As part of discard pinned window operation, if CacheCade degrade flush in progress, refrain from reorganizing the windows of a degraded CCVD and defer it till degrade flush completion. On completion of the degrade flush, CCVD windows are any way re-organized.

Issue Description: Heavy IOs run on CacheCade associated SVDs, pinned cache generated on CCVD by pulling out some drives from one of the SVD and IOs continue on remaining SVDs. Also degrade one of the CCVDs by pulling out one of the SSD drives. In this state, OCR/Reboot along with continuing IOs followed by pinned cache recovery results in data miscompare. The data miscompare is also seen with deletion of pinned cache windows while CCVD degrade flush in progress. The discard pinned cache data miscompare is relevant for both before OCR or after OCR with CCVD degrade flush in progress.

Steps To Reproduce: Recover pinned cache:
Create 2 SVDs of any RAID level
Cerate 1 R1 CCVD using 2 SSD PDs
Associate SVDs with CacheCade
Run heavy IOs on CacheCade associated SVDs
Generate pinned cache on CCVD by pulling out PDs of one of SVD, such that it becoms offline
IOs continue on remaining SVDs
Degrade one of the CCVDs by pulling out one of the SSD drives
In this state, OCR along with continuing IOs
Recover pinned cache by putting back the pulled out PDs and SSD PD and foreign import results in data miscompare

Discard Pinned Cache:
Create 2 SVDs of any RAID level
Cerate 1 R1 CCVD using 2 SSD PDs
Associate SVDs with CacheCade
Run heavy IOs on CacheCade associated SVDs
Generate pinned cache on CCVD by pulling out PDs of one of SVD, such that it becoms offline
IOs continue on remaining SVDs
Degrade one of the CCVDs by pulling out one of the SSD drives
CacheCade degrade flush kicks in
While degrade flush in progress, discard pinned cache result in data loss

Defect ID: SCGCQ00713024

Headline: Foreign config import fails with DDF corruption

Description Of Change: maximum number of foreign configs is extend from 8 to 32 and the new macro is introduced with value 32.

Issue Description: Foreign config import fails with DDF corruption

Steps To Reproduce: none

Defect ID: SCGCQ01155622

Headline: First learn on New CacheVault connected will timeout cause factory line down

Description Of Change: Learncycle failed and learncycle timeout fields are reset when a new learn is initiated.

Issue Description: When a learn cycle fails, FW sets learncycle failed and learncycle timeout fields to TRUE. FW does not reset these fields when a new learn cycle starts and completes.

FW now resets learncycle failed and learncycle timeout fields when a new learn is initiated.

Steps To Reproduce: To emulate the behavior:

Set the learnCycleTimeout and learnCycleFailed from MegaMon -> This simulates the LCTO event in the FW.

Initiate a manual relearn. After relearn completes, check the above two flags.

Defect ID: SCGCQ01142402

Headline: System stall after sense key 04/c4/01 in HSP disk and controller reset repeatedly

Description Of Change: FW will now fail Hot Spare if the disk is continually reporting a hardware error.

Issue Description: By looking at the event log and FW log, it seems that FW did 5 times retry (and one original command) and get the sense of 04/c4/01 for each command. Since all of the commands were failed with the same manner (i.e. 04/c4/01), it prolongs for a long time.

It seems that after retries are not successful, FW does NOT fail the disk because it is HSP.

Steps To Reproduce: Create hotspare status on a bad drive, FW will repeatedly report hardware error sense but never fail the drive.

Defect ID: SCGCQ00949650

Headline: VD erase doesn't complete if VD ID number is changed while the task is on going

Description Of Change: On deleting an LD the LD number gets modified to keep and LD info structure is shifted accordingly. The init bit in LD info was being cleared after the LD info structure was shifted due to this we were clearing the bit for the wrong LD. Also the LD active init map in PD Info should be modified according to the shift in LD number and LD info.

Issue Description: Created 2 R0 VDs on 2 SAS HDDs. Started normal VD erase on both VDs. After VD erase is completed on one VD and before erase is completed on second VD, first VD is deleted. Then, VD erase on second VD never completes.

Steps To Reproduce:

1. Create a R0 VD on one HDD.
2. Create another R0 VD on one HDD.
3. Start VD erase (normal, delete after completion option enabled if available).
4. If delete after completion option enabled is not available, delete the first VD that erase was completed before erase on second VD completes.

GCA Release (SCGCQ00791254) - FCODE - 4.17.08.00

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ReleaseOrderID: SCGCQ00791254 [Open In CQWeb](#) [Download](#)

Headline: Fcode 4.17.08.00

Release Version: 4.17.08.00

Product Org: MegaRAID

Product Gen: SAS3

Product Family: MR_BIOS

UCM Project: MR_FCODE

Release Type: GCA

UCM Stream: MR_FCODE_Rel

Owner: sramach

Release Baseline: MR_FCODE_Rel_2014-11-07_v4.17.08.00@MegaRAID

Release Date / Time: 07-NOV-14

Release Type: GCA

FCODE Enhancements Implemented (1):

EnhancementRequest ID: SCGCQ00791238

Headline: Update Attribution Language - Copyright, Trademark, Confidentiality to Avago

Description Of Change: All the source code, customer visible banners/logo's and copyright information are changed as required

Point Release (SCGCQ01126875) - Hii - 03.17.14.04

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ReleaseOrderID: SCGCQ01126875 [Open In CQWeb](#) [Download](#)

Headline: MR 6.9/5.14 Patch HEFU HII (2208 and 3108) - v03.17.14.04 (SIGNED)

Release Version: 03.17.14.04

Product Org: MegaRAID

Product Gen: SAS3

Product Family: MR_BIOS

UCM Project: MR_SAS_HEFU_HII_6.9

Release Type: Point

UCM Stream: MR_SAS_HEFU_HII_6.9_Intruder_Patch

Owner: sramach

Release Baseline: MR_SAS_HEFU_HII_6.9_Intruder_Patch_2016-06-28_v03.17.14.04@MegaRAID

Release Date / Time: 28-JUN-16

Release Type: Point

GCA Release (SCGCQ00908099) - UEFI_Driver - 0x06110200

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ReleaseOrderID: SCGCQ00908099 [Open In CQWeb](#) [Download](#)

Headline: MR 6.9/5.14 UEFI Driver (2208, 3108 and 3324) 0x06110200 (SIGNED)

Release Version: 0x06110200

Product Org: MegaRAID

Product Gen: SAS3

Product Family: MR_BIOS

UCM Project: MR_UEFI_Drv_6.9

Release Type: GCA

UCM Stream: MR_UEFI_Drv_6.9_Intruder_Rel

Owner: sramach

Release Baseline: MR_UEFI_Drv_6.9_Intruder_Rel_2015-08-28_v0x06110200signed@MegaRAID

Release Date / Time: 28-AUG-15

Release Type: GCA

GCA Release (SCGCQ00890432) - BIOS - 5.50.03.0

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ReleaseOrderID: SCGCQ00890432 [Open In CQWeb](#) [Download](#)

Headline: MR 5.14 BIOS 5.50.03.0 for TB

Release Version: 5.50.03.0

Product Org: MegaRAID

Product Gen: SAS2.5

Product Family: MR_BIOS

UCM Project: MR_SAS_BIOS_5.14

Release Type: GCA

UCM Stream: MR_SAS_BIOS_6.9_Intruder_Rel
Owner: buildsvc
Release Baseline: MR_SAS_BIOS_5.14-2015-07-21-5.50.03.0_REL_1437539076@
MegaRAID
Release Date / Time: 22-JUL-15
Release Type: GCA

BIOS Defects Fixed (1):

Defect ID: SCGCQ00882729

Headline: Legacy OpROM: Controller POST shows JBOD found on host adapter, when number of INT13 device is > deviceExposure

Description Of Change: When the number of INT13 devices exceeds MAX_INT13DISK, remove-the NON-DISK devices from the bootable PD count that is used to display the number in the POST.

Issue Description: When the number of INT13 devices (the devices are part of the enclosure) exceeds the MAX_INT13DISK, the BIOS POST shows JBODs present, eventhough there are no JBODs present in the configuration.

Steps To Reproduce:

1. Have 9 VD's created in the enclosure, and connect the enclosure to the controller.
2. Set the biosData.deviceExposure to 8.
3. Reboot the system.
4. In the BIOS POST, the below message is seen even when there are no JBODs present in the configuration.
1 JBOD(s) found on the host adapter

Point Release (SCGCQ01184446) - Firmware - 3.460.115-6465

ReleaseOrderID: SCGCQ01184446 [Open In CQWeb](#) [Download](#)

Headline: Point Release: MR_FW_SAS2.5_5.14 - 3.460.115-6465 Firmware

Release Version: 3.460.115-6465

Product Org: MegaRAID

Product Gen: SAS2.5

Product Family: MR_FW

UCM Project: MR_FW_SAS2.5_5.14

Release Type: Point

UCM Stream: MR_FW_SAS2.5_5.14_Rel

Owner: buildsvc

Release Baseline: MR_FW_SAS2.5_5.14-2016-09-16-3.460.115-6465_REL_1474055517@
MegaRAID

Release Date / Time: 16-SEP-16

Release Type: Point

Firmware Defects Fixed (7):

Defect ID: SCGCQ01157490

Headline: copyback=off reverts to on after restart/ocr

Description Of Change: Copyback will now retain its setting across boots.

Issue Description: Copyback was being set to ON after any reboot or OCR

Steps To Reproduce: Set Copyback = OFF and reboot system

Defect ID: SCGCQ01181295

Headline: Copyback not automatically initiating when manually setting drives to Unconfigured_Good

Description Of Change: FW will begin copyback on drives manually converted to Unconfigured Good

Issue Description: Copyback not automatically starting when manually converting drives to unconfigured good

Steps To Reproduce:

- 1- Physically pull drive from slot 0.
- 2- Hotspare drive engages and rebuilds successfully.
- 3- Take pulled drive to another server and insert drive.
- 4- Drive shows as Foreign UG
- 7- Clear foreign configuration.
- 8- Drive is now UG.
- 9- Pull drive or select Prepare for Removal.
- 10- Re-insert drive into original server.
- 11- Drive is marked as UB.
- 12- Change drive to UG.
- 13 Copyback will not start.

Defect ID: SCGCQ01118285

Headline: Data Mismatch found during recovery of CacheCade pinned windows across OCR/Reboot or discard of CacheCade pinned windows while CacheCade degrade flush in progress

Description Of Change: At Boot/OCR time, in presence of pinned cache move all unpinned windows of a degraded CCVD windows to read-only. Such that there won't be any dirty windows generated and only pinned windows are need to be flushed as part of pinned cache recovery.
As part of discard pinned window operation, if CacheCade degrade flush in progress, refrain from reorganizing the windows of a degraded CCVD and defer it till degrade flush completion. On completion of the degrade flush, CCVD windows are any way re-organized.

Issue Description: Heavy IOs run on CacheCade associated SVDs, pinned cache generated on CCVD by pulling out some drives from one of the SVD and IOs continue on remaining SVDs. Also degrade one of the CCVDs by pulling out one of the SSD drives. In this state, OCR/Reboot along with continuing IOs followed by pinned cache recovery results in data mismatch.
The data mismatch is also seen with deletion of pinned cache windows while CCVD degrade flush in progress. The discard pinned cache data mismatch is relevant for both before OCR or after OCR with CCVD degrade flush in progress.

Steps To Reproduce: Recover pinned cache:
Create 2 SVDs of any RAID level
Create 1 R1 CCVD using 2 SSD PDs
Associate SVDs with CacheCade
Run heavy IOs on CacheCade associated SVDs
Generate pinned cache on CCVD by pulling out PDs of one of SVD, such that it becomes offline
IOs continue on remaining SVDs
Degrade one of the CCVDs by pulling out one of the SSD drives
In this state, OCR along with continuing IOs
Recover pinned cache by putting back the pulled out PDs and SSD PD and foreign import results in data mismatch

Discard Pinned Cache:
Create 2 SVDs of any RAID level
Create 1 R1 CCVD using 2 SSD PDs
Associate SVDs with CacheCade
Run heavy IOs on CacheCade associated SVDs
Generate pinned cache on CCVD by pulling out PDs of one of SVD, such that it becomes offline
IOs continue on remaining SVDs
Degrade one of the CCVDs by pulling out one of the SSD drives
CacheCade degrade flush kicks in
While degrade flush in progress, discard pinned cache result in data loss

Defect ID: SCGCQ00713024

Headline: Foreign config import fails with DDF corruption

Description Of Change: maximum number of foreign configs is extend from 8 to 32 and the new macro is introduced with value 32.

Issue Description: Foreign config import fails with DDF corruption

Steps To Reproduce: none

Defect ID: SCGCQ01155622

Headline: First learn on New CacheVault connected will timeout cause factory line down

Description Of Change: Learncycle failed and learncycle timeout fields are reset when a new learn is initiated.

Issue Description: When a learn cycle fails, FW sets learncycle failed and learncycle timeout fields to TRUE. FW does not reset these fields when a new learn cycle starts and completes.

FW now resets learncycle failed and learncycle timeout fields when a new learn is initiated.

Steps To Reproduce: To emulate the behavior:

Set the learnCycleTimeout and learnCycleFailed from MegaMon -> This simulates the LCTO event in the FW.

Initiate a manual relearn. After relearn completes, check the above two flags.

Defect ID: SCGCQ01142402

Headline: System stall after sense key 04/c4/01 in HSP disk and controller reset repeatedly

Description Of Change: FW will now fail Hot Spare if the disk is continually reporting a hardware error.

Issue Description: By looking at the event log and FW log, it seems that FW did 5 times retry (and one original command) and get the sense of 04/c4/01 for each command. Since all of the commands were failed with the same manner (i.e. 04/c4/01), it prolongs for a long time.

It seems that after retries are not successful, FW does NOT fail the disk because it is HSP.

Steps To Reproduce: Create hotspare status on a bad drive, FW will repeatedly report hardware error sense but never fail the drive.

Defect ID: SCGCQ00949650

Headline: VD erase doesn't complete if VD ID number is changed while the task is on going

Description Of Change: On deleting an LD the LD number gets modified to keep and LD info structure is shifted accordingly. The init bit in LD info was being cleared after the LD info structure was shifted due to this we were clearing the bit for the wrong LD. Also the LD active init map in PD Info should be modified according to the shift in LD number and LD info.

Issue Description: Created 2 R0 VDs on 2 SAS HDDs. Started normal VD erase on both VDs. After VD erase is completed on one VD and before erase is completed on second VD, first VD is deleted. Then, VD erase on second VD never completes.

Steps To Reproduce:

1. Create a R0 VD on one HDD.
2. Create another R0 VD on one HDD.
3. Start VD erase (normal, delete after completion option enabled if available).
4. If delete after completion option enabled is not available, delete the first VD that erase was completed before erase on second VD completes.

Point Release (SCGCQ01129434) - NVDATA - MR2.1507.03-0162;IMR2.1507.04-0157

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ReleaseOrderID: SCGCQ01129434 [Open In CQWeb](#) [Download](#)

Headline: MR 5.14 NVDATA Release: MR Version 2.1507.03-0162; iMR Version 2.1507.04-0157

Release Version: MR2.1507.03-0162;iMR2.1507.04-0157

Product Org: MegaRAID

Product Gen: SAS2.5

Product Family: MR_FW

UCM Project: MR_SAS_NVDATA2.5_5.14

Release Type: Point

UCM Stream: MR_SAS_NVDATA2.5_5.14_Rel

Owner: schapara

Release Baseline: baseline:MR_SAS_NVDATA2.5_5.14_Rel_2016-06-30@MegaRAID

Release Date / Time: 30-JUN-16

Release Type: Point

NVDATA Defects Fixed (1):

Defect ID: SCGCQ01079578

Headline: Requires to modify NVDATA for ROMB 1000/005b/1170/005B

Description Of Change: Modified NVdata to correct LED behavior

Issue Description: LED behavior incorrect during rebuild

Steps To Reproduce: Initiate rebuild and watch LEDs

NVDATA Enhancements Implemented (1):

EnhancementRequest ID: SCGCQ01128412

Headline: Need PnPId info ported to 5.14 iMR stream to support SAS2208-based controller

Description Of Change: Added support for 5.14 iMR board

GCA Release (SCGCQ00854205) - WebBIOS - 6.1-76-e_76-Rel

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ReleaseOrderID: SCGCQ00854205 [Open In CQWeb](#) [Download](#)

Headline: GCA Release: MR_SAS2.5_WebBIOS_5.14 - 6.1-76-e_76-Rel

Release Version: 6.1-76-e_76-Rel

Product Org: MegaRAID

Product Gen: SAS2.5

Product Family: MR_Preboot_Utils

UCM Project: MR_SAS2.5_WebBIOS_5.14

Release Type: GCA

UCM Stream: MR_SAS2.5_WebBIOS_5.14_Rel

Owner: shrpatil

Release Baseline: MR_SAS2.5_WebBIOS_5.14_Rel_2015-04-29_v6.1-69-e_69-Rel@MegaRAID

Release Date / Time: 29-APR-15

Release Type: GCA

WebBIOS Enhancements Implemented (1):

EnhancementRequest ID: SCGCQ00846708

Headline: OEM requesting to do a WRITE VERIFY prior to flushing cache. This needs to be managed via CLI

Description Of Change: Added new field called "Write Verify" with enable/disable option

Point Release (SCGCQ00475200) - BootBlockCommon - 07.26.26.219

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ReleaseOrderID: SCGCQ00475200 [Open In CQWeb](#) [Download](#)

Headline: Release 5.2: MegaRAID SYNCRO ONLY Common BootBlock v07.26.26.219

Release Version: 07.26.26.219

Product Org: MegaRAID

Product Gen: SAS2.5

Product Family: MR_FW

UCM Project: MR_BOOT_BLOCK_COMMON_Rel

Release Type: Point

UCM Stream: MR_BOOT_BLOCK_COMMON_Rel_Int

Owner: srichant

Release Baseline: MR_BOOT_BLOCK_COMMON_Rel_4_10_2012@MegaRAID

Release Date / Time: 06-AUG-13

Release Type: Point

BootBlockCommon Enhancements Implemented (1):

EnhancementRequest ID: SCGCQ00472311

Headline: (CBB) Provide mechanism to disable PCIe backchannel training via SBR

Description Of Change: On a SAS2208 device if SBR is modified to set bit 4 of byte 0x5F then PCIe backchannel training will be disabled.

That bit is not set in a default SBR so normal operation is used by default.

Note: Byte 0x5F of the SBR is now reserved for CBB usage.

GCA Release (SCGCQ00356694) - PCLl - 05.07.00

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ReleaseOrderID: SCGCQ00356694 [Open In CQWeb](#) [Download](#)

Headline: MR_SAS_5.5_MegaPCLl_05.07.00

Release Version: 05.07.00

Product Org: MegaRAID

Product Gen: SASx

Product Family: MR_OS_Utills

UCM Project: MR_SAS_CLI_5.5

Release Type: GCA

UCM Stream: MR_SAS_CLI_5.5_Rel

Owner: mjadamal

Release Baseline: MR_SAS_CLI_5.5_Rel_2012-11-14.1020@MegaRAID

Release Date / Time: 16-NOV-12

Release Type: GCA

PCLl Defects Fixed (2):

Defect ID: SCGCQ00356037

Headline:

Description Of Change:

Issue Description: CLI Crashes When Running ADP FW Flash Command

Steps To Reproduce: ./MegaCli adpflash -f fw.rom -resetnow a0
./MegaCli adpflash -f fw.rom -a0

Defect ID: SCGCQ00356190

Headline: No controller properties for Online FW Update in MegaCLI

Description Of Change:

Issue Description: No controller properties for Online FW Update in MegaCLI

Steps To Reproduce: MegaCli adpallinfo a0

GCA Release (SCGCQ00356330) - BootBlock - 2.05.00.00-0010

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ReleaseOrderID: SCGCQ00356330 [Open In CQWeb](#) [Download](#)

Headline: MR 5.3 Bootblock rel-2.05.00.00-0010

Release Version: 2.05.00.00-0010

Product Org: MegaRAID

Product Gen: SAS2.5

Product Family: MR_FW

UCM Project: MR_BOOT_BLOCK_11M08_5.3

Release Type: GCA

UCM Stream: MR_BOOT_BLOCK_11M08_5.3_Rel

Owner: vanis

Release Baseline: MR_BOOT_BLOCK_11M08_5.3_Int_2012-11-12@
MegaRAID

Release Date / Time: 13-NOV-12

Release Type: GCA

BootBlock Defects Fixed (1):

Defect ID: SCGCQ00343311

Headline: SAS2208 FW MR 5.4 posting a "91" error code FW 23.9.0-015

Description Of Change: Fix : Reduced the bootblock Init time, which effectively reduced the config retry time to about 700 or so mS

Issue Description: Issue : Issue is basically ,the fix for PCI gen3 included a polling mechanism for link down reset detection which was increasing the time bootblock was taking. The polling was taking little too long. This was causing the config retry to be released after slightly more than 1 second. PCIe spec says this has to be 1000 mS maximum

Steps To Reproduce: Boot with latest MR5.4 package and in the FW log look for the print , "time till config valid"

1000 mS is the max a controller can take before config valid as per PCI spec
If it is taking close to or more than 1000mS then it is an issue.

GCA Release (SCGCQ00304181) - Ctrl-R - 4.02-0001

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ReleaseOrderID: SCGCQ00304181 [Open In CQWeb](#) [Download](#)

Headline: MR_SAS_Ctrl-R_MR5.4_2208_release_version_4.02-0001

Release Version: 4.02-0001

Product Org: MegaRAID

Product Gen: SAS2.5

Product Family: MR_Preboot_Utills

UCM Project: MR_SAS2.5_CtrlR_Perc8.1

Release Type: GCA

UCM Stream: MR_SAS2.5_CtrlR_Perc8.1_Rel

Owner: pravkuma

Release Baseline: MR_SAS2.5_CtrlR_Perc8.1_Rel_2012-07-10_Ver_4.02-0001@
MegaRAID

Release Date / Time: 10-JUL-12

Release Type: GCA

GCA Release (SCGCQ00258748) - ROMENV - 1.08

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ReleaseOrderID: SCGCQ00258748 [Open In CQWeb](#) [Download](#)

Headline: 11M06 TB ROMENV Release

Release Version: 1.08

Product Org: MegaRAID

Product Gen: SAS2

Product Family: MR_Apps

UCM Project: MR_ROMENV

Release Type: GCA
UCM Stream: MR_ROMENV_Int
Owner: chammond
Release Baseline: 1.08
Release Date / Time: 12-MAR-12
Release Type: GCA