



SCS Engineering Release Notice

Phase6 GCA Release Version 07.00.00.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00751119)

(SCGCQ00751119) - Phase6 GCA Release Version 07.00.00.00 - FLASH MPT GEN3 Phase6.0

(SCGCQ00738933) - Phase6 Beta Release Version 06.250.13.00 -

FLASH MPT GEN3 Phase6.0

(SCGCQ00729393) - Phase6 Beta Release Version 06.250.12.00 -

FLASH MPT GEN3 Phase6.0

(SCGCQ00726074) - Phase6 Alpha Release Version 06.250.11.00 -

FLASH MPT GEN3 Phase6.0

(SCGCQ00716444) - Phase6 Alpha Release Version 06.250.10.00 -

FLASH MPT GEN3 Phase6.0

(SCGCQ00712802) - Phase6 Pre-Alpha Release Version 06.250.09.00 -

FLASH MPT GEN3 Phase6.0

(SCGCQ00701638) - Phase6 Pre-Alpha Release Version 06.250.08.00 -

FLASH MPT GEN3 Phase6.0



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Phase6 GCA Release Version 07.00.00.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00751119)

Defects=0, Enhancements=0 (Version Change Only)



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Phase6 Beta Release Version 06.250.13.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00738933)

Change Summary (Defects=1)

SCGCQ00710461 (DFCT) - SAS3Flash does not check subsystem IDs when flashing



SCS Engineering Release Notice

Phase6 Beta Release Version 06.250.13.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00738933)

Total Defects Resolved (1)

(SCGCQ00710461)		Defect 1/1
HEADLINE:	SAS3Flash does not check subsystem IDs when flashing	
DESC OF CHANGE:	It was checking the subsystem vendor id wrongly . Changed the code to check Subsystem IDs 30A0 and 30E0 accordingly.	
TO REPRODUCE:	Flash internal Fury firmware to an external card and it will not fail	
	Flash external Fury firmware to an internal card and it will not fail	
ISSUE DESC:	The enhancement request SCGCQ00671157 calls for SAS3flash to check the subsystem IDs of the card to be flashed to prevent external firmware going on an internal card and vice versa. SAS3Flash does not check the IDs and is still able to flash the wrong firmware.	



SCS Engineering Release Notice

Phase6 Beta Release Version 06.250.12.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00729393)

Change Summary (Defects=2)

SCGCQ00723875 (DFCT) -

SCGCQ00728204 (DFCT) - Ph6 Flash: FLASH version shows as 1.0-03 instead of 06.250.11.00 in ESXi
5.5 OS



SCS Engineering Release Notice

Phase6 Beta Release Version 06.250.12.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00729393)

Total Defects Resolved (2)

(SCGCQ00723875)		Defect 1/2
DESC OF CHANGE:	The communication protocol for Vmwrae 5.5 & Vmware 5.x (less than 5.5) is different hence we need to release two vmware package one normal Vmware package (5.x) and one Vmware_NDS package (Vmware op 5.5)	
	this defect will get fix by releasing two Vmware packages	
TO REPRODUCE:	Step: 1. boot into ESXi 5.1 U2 OS with latest driver installed 2. Copy the latest IRCU/FLASH Utilite 06.250.10.00 version and install and try to launch it.	
ISSUE DESC:	The IRCU/FALSH are not launching on ESXi 5.1 U2 and ESXi 5.0 U3 OSES and thrown following error message. Error Message: "/opt/lsi/bin # ./sas3flash ./sas3flash: error while loading shared libraries: libvmkmgmt.so: cannot open shared object file: No such file or directory" Note: 1. This issue is seen only with ESXi 5.1 U2 and ESX5.0 U3 OSES and it is not seen with ESXi 5.5 U1 OS. System Information Manufacturer: Supermicro Product Name: X8QB6 Version: 1.0 Serial Number: To Be Filled By O.E.M. BIOS Information Vendor: American Megatrends Inc. Version: 2.0c Release Date: 06/11/2 Number of processors : 16 processor : 0 vendor_id : GenuineIntel cpu family : 6 model : 46 model name : Intel(R) Xeon(R) CPU X7560 @ 2.27GHz stepping : 6 cpu MHz : 1067.000 cache size : 24576 KB physical id : 0 MemTotal: 8043012 kB MemFree: 7159140 kB Buffers: 36272 kB Cached: 330548 kB ***** *** OS Name:ESXi 5.1 U2 (Release Build - 1483097), ESXi 5.0 U3 (build-1311175) OS arch : x86_64 OS Driver Version : 06.255.04.00	

(SCGCQ00728204)		Defect 2/2
HEADLINE:	Ph6 Flash: FLASH version shows as 1.0-03 instead of 06.250.11.00 in ESXi 5.5 OS	
DESC OF CHANGE:	This was a build issue which got rectified with the latest build.	
TO REPRODUCE:	Reproduce step: 1. Boot into ESXi 5.5 GA1 OS with latest driver. 2. Install the latest FLASH (06.250.11.00) and see the version that installing is proper or not in the installation message 3. Post installation check the version of IRCU using the following command esxcli software vib list	
	Result: The result of the command FLASH version is 1.0-03	
ISSUE DESC:	FLASH version shows as 1.0-03 instead of 06.250.11.00 in ESXi 5.5 OS. Note: 1. This issue is not seen with IRCU with latest IRCU build. 2. it is seen only with latest FLASH build as below.	



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Phase6 Alpha Release Version 06.250.11.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00726074)

Change Summary (Defects=3 Enhancements=1)

SCGCQ00710461 (DFCT) - SAS3Flash does not check subsystem IDs when flashing

SCGCQ00718412 (DFCT) - Ph6 Flash: Flashing command hangs when trying to flash firmware & bios on an erased controller card in EFI.

SCGCQ00723875 (DFCT) -

SCGCQ00571503 (ENHREQ) - MR 6.4 / MR 5.11 / SAS2 Phase 19 / SAS3 Phase 5 - Oracle Virtual Machine 3.3



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Phase6 Alpha Release Version 06.250.11.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00726074)

Total Defects Resolved (3)

(SCGCQ00710461) Defect 1/3

HEADLINE: SAS3Flash does not check subsystem IDs when flashing

DESC OF CHANGE: It was checking the subsystem vendor id wrongly . Changed the code to check Subsystem IDs 30A0 and 30E0 accordingly.

TO REPRODUCE: Flash internal Fury firmware to an external card and it will not fail

Flash external Fury firmware to an internal card and it will not fail

ISSUE DESC: The enhancement request SCGCQ00671157 calls for SAS3flash to check the subsystem IDs of the card to be flashed to prevent external firmware going on an internal card and vice versa. SAS3Flash does not check the IDs and is still able to flash the wrong firmware.

(SCGCQ00718412) Defect 2/3

HEADLINE: Ph6 Flash: Flashing command hangs when trying to flash firmware & bios on an erased controller card in EFI.

DESC OF CHANGE: We have added a new functionality in MPTLib for setting the SPIN_UP timeout based on what is configured in BIOS Page. But reading BIOS page (in mptlib code) from SAS3FLASH is hanging because everything is erased. So we have disabled the SPIN_UP flag for SAS3FLASH since it is required only for other components which uses mptlib and not for SAS3Flash.

TO REPRODUCE: Steps To Reproduce :
1.Boot in to EFI shell.
2.Erase the controller card using flash util (06.250.10.00).
3.Flash the latest firmware(05.250.02.00) and BIOS on the erased card.

Expected Result :
Flashing the firmware and BIOS should be successful with out any error messages.

Actual Result :
Flashing command hangs.

Configuration :
OS : EFI 2.30
HBA : Fury 3008_C0
Util binary & version : sas3flash.efi & 06.250.10.00
Firmware version : 05.250.02.00
Server : IBM 3750 M4 , SuperMicro.

ISSUE DESC: Description : When tried to flash firmware & bios on the erased controller command hangs or became non-operational.

Configuration :
OS : EFI 2.30
HBA : Fury 3008_C0
Util binary & version : sas3flash.efi & 06.250.10.00
Firmware version : 05.250.02.00
Server : IBM 3750 M4 , SuperMicro.

Note :1. Issue seen with the current build of PA2.
2. I verified with FURY_C0 only.

(SCGCQ00723875) Defect 3/3

DESC OF CHANGE: The communication protocol for Vmwrae 5.5 & Vmware 5.x (less than 5.5) is different hence we need to release two vmware package
one normal Vmware package (5.x) and one Vmware_NDS package (Vmware op 5.5)

this defect will get fix by releasing two Vmware packages

TO REPRODUCE: Step:
1. boot into ESXi 5.1 U2 OS with latest driver installed
2. Copy the latest IRCU/FLASH Util 06.250.10.00 version and install and try to launch it.

ISSUE DESC: The IRCU/FALSH are not launching on ESXi 5.1 U2 and ESXi 5.0 U3 OSES and thrown following error message.

Error Message:
"/opt/lsi/bin # ./sas3flash
./sas3flash: error while loading shared libraries: libvmkmgmt.so: cannot open shared object file: No such file or directory"



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Phase6 Alpha Release Version 06.250.11.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00726074)

Note:

1. This issue is seen only with ESXi 5.1 U2 and ESX5.0 U3 OSes and it is not seen with ESXi 5.5 U1 OS.

System Information

Manufacturer: Supermicro

Product Name: X8QB6

Version: 1.0

Serial Number: To Be Filled By O.E.M.

BIOS Information

Vendor: American Megatrends Inc.

Version: 2.0c

Release Date: 06/11/2

Number of processors : 16

processor : 0

vendor_id : GenuineIntel

cpu family : 6

model : 46

model name : Intel(R) Xeon(R) CPU X7560 @ 2.27GHz

stepping : 6

cpu MHz : 1067.000

cache size : 24576 KB

physical id : 0

MemTotal: 8043012 kB

MemFree: 7159140 kB

Buffers: 36272 kB

Cached: 330548 kB

OS Name:ESXi 5.1 U2 (Release Build - 1483097), ESXi 5.0 U3 (build-1311175)

OS arch : x86_64

OS Driver Version : 06.255.04.00



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Phase6 Alpha Release Version 06.250.11.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00726074)

Total Enhancements Implemented (1)

(SCGCQ00571503)

Enhancement 1/1

HEADLINE: MR 6.4 / MR 5.11 / SAS2 Phase 19 / SAS3 Phase 5 - Oracle Virtual Machine 3.3

NEW FUNCTIONALITY: Validated the features using OVM 3.3



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Phase6 Alpha Release Version 06.250.10.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00716444)

Change Summary (Defects=1)

SCGCQ00652670 (DFCT) -



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Phase6 Alpha Release Version 06.250.10.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00716444)

Total Defects Resolved (1)

(SCGCQ00652670)

Defect 1/1



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Phase6 Pre-Alpha Release Version 06.250.09.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00712802)

Change Summary (Defects=1 Enhancements=3)

SCGCQ00686664 (DFCT) -

SCGCQ00672316 (ENHREQ) - RHEL 7.0 Support

SCGCQ00698762 (ENHREQ) - Windows 8.1 Update

SCGCQ00698770 (ENHREQ) - Unbreakable Enterprise Kernel Release 3 Update 2 for sas3flash



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Phase6 Pre-Alpha Release Version 06.250.09.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00712802)

Total Defects Resolved (1)

(SCGCQ00686664)

Defect 1/1



SCS Engineering Release Notice

Phase6 Pre-Alpha Release Version 06.250.09.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00712802)

Total Enhancements Implemented (3)

(SCGCQ00672316)	Enhancement 1/3
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HEADLINE: RHEL 7.0 Support

NEW FUNCTIONALITY: RHEL 7.0 Support

(SCGCQ00698762)	Enhancement 2/3
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HEADLINE: Windows 8.1 Update

NEW FUNCTIONALITY: Windows 8.1 Update

(SCGCQ00698770)	Enhancement 3/3
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HEADLINE: Unbreakable Enterprise Kernel Release 3 Update 2 for sas3flash

NEW FUNCTIONALITY: Unbreakable Enterprise Kernel Release 3 Update 2 for sas3flash



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Phase6 Pre-Alpha Release Version 06.250.08.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00701638)

Change Summary (Enhancements=3)

SCGCQ00671157 (ENHREQ) - sas3flash needs to check sub product ID to avoid flashing wrong FW

SCGCQ00698768 (ENHREQ) - Ubuntu 14.04 for sas3flash

SCGCQ00698786 (CSET) - VMware LSI Out of Box driver feature reconciliation



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Phase6 Pre-Alpha Release Version 06.250.08.00 - FLASH_MPT_GEN3_Phase6.0 (SCGCQ00701638)

Total Enhancements Implemented (3)

(SCGCQ00671157)	Enhancement 1/3
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HEADLINE: sas3flash needs to check sub product ID to avoid flashing wrong FW

NEW FUNCTIONALITY: Added check for checking out sub product id while flashing.

(SCGCQ00698768)	Enhancement 2/3
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HEADLINE: Ubuntu 14.04 for sas3flash

NEW FUNCTIONALITY: Validation done.

(SCGCQ00698786 - Port of SCGCQ00644248)	Enhancement 3/3
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HEADLINE: VMware LSI Out of Box driver feature reconciliation

NEW FUNCTIONALITY: Make file changes and VIB creation.