MegaRAID Controller Firmware Update Procedure

*** Firmware file Name: smc[xxxx].rom
*** Utility: StorCLI.efi

Two methods to flash MegaRAID firmware
      1. StorCLI Utility
      2. MegaRAID Storage Management Utility

1. Using StorCLI under UEFI

1) Boot from USB key and use following command or run SMC[xxxx].nsh file.
      fs0:\>storcli.efi /c0 download file=smc[xxxx].rom

ex) MegaRAID firmware flash via StorCLI utility

```
fs0:\BIOS\3108\MR6.13\UPDATE_4.670.00-6500> storcli.efi /c0 download file=smc3108.rom
Download Completed.
Flashing image to adapter...
Controller = 0
Status = Success
Description = F/W Flash Completed. Please reboot the system for the changes to take effect

Current package version = 24.15.0-0018
New package version = 24.18.0-0021


fs0:\BIOS\3108\MR6.13\UPDATE_4.670.00-6500> _
```

ex) MegaRAID firmware flash via batch file (smc[xxxx].nsh file include above command)

```
fs0:\BIOS\3108\MR6.13\UPDATE_4.670.00-6500> dir
Directory of: fs0:\BIOS\3108\MR6.13\UPDATE_4.670.00-6500

 02/28/17  05:09p <DIR>          4,096  .
 02/28/17  05:09p <DIR>          4,096  ..
 02/24/17  02:52p                 589   ReleaseNote.txt
 02/24/17  03:19p                  45   smc3108.nsh
 12/23/16  03:35a          10,092,544   smc3108.rom
 11/18/16  09:50a           2,659,008   storcli.efi
          4 File(s)  12,752,186 bytes
          2 Dir(s)


fs0:\BIOS\3108\MR6.13\UPDATE_4.670.00-6500> smc3108.nsh
smc3108.nsh> storcli.efi /c0 download file=smc3108.rom
Download Completed.
Flashing image to adapter...
Controller = 0
Status = Success
Description = F/W Flash Completed. Please reboot the system for the changes to take effect

Current package version = 24.15.0-0018
New package version = 24.18.0-0021


fs0:\BIOS\3108\MR6.13\UPDATE_4.670.00-6500> _
```

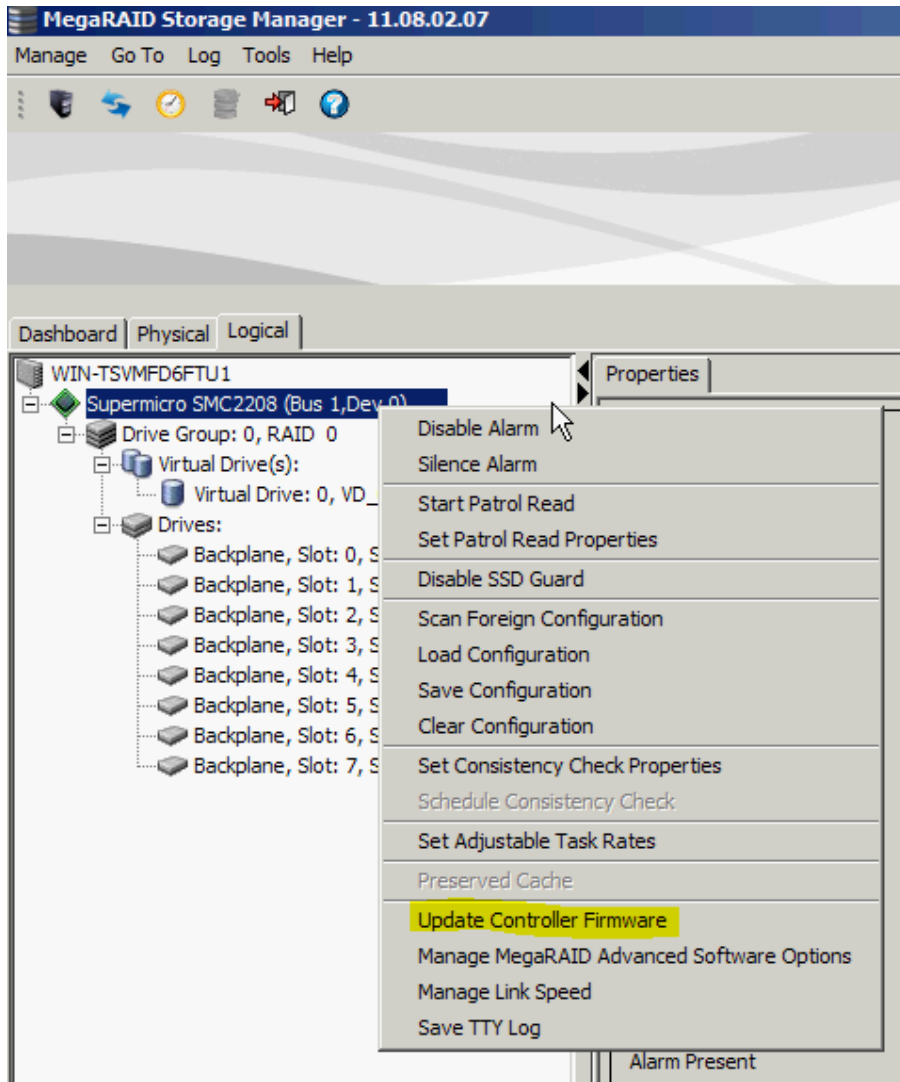2) Reboot the system and check firmware version in controller OPROM banner during boot and in MSM

```
LSI MegaRAID SAS-MFI BIOS
Version 5.32.00 (Build February 02, 2012)
Copyright(c) 2012 LSI Corporation

HA -0 (Bus 1 Dev 0) Supermicro SMC2208
Battery Status: Not present

PCI SLOT ID LUN VENDOR    PRODUCT                    REVISION        CAPACITY
-------- -- --- ------    -------                    --------        --------
0                LSI      Supermicro SMC2208      →3.180.05-1562   1024MB
0         8  0   TOSHIBA  MK4001GRZB                 0108            381554MB
```
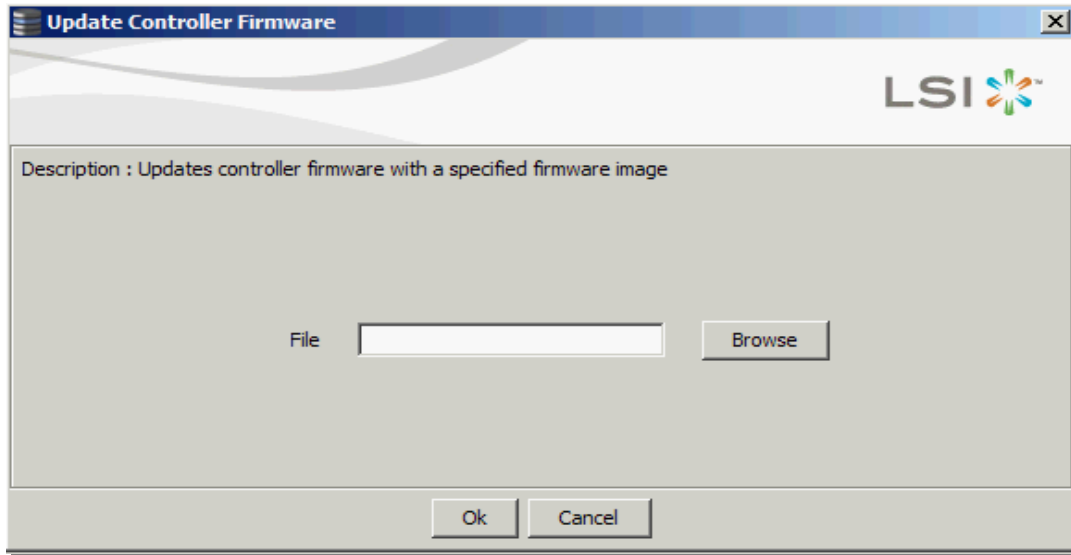
2. Using MegaRAID Storage Manager utility under OS

1) Open MSM, Right click on Supermicro MegaRAID controller to be updated and click Update Controller Firmware

MegaRAID Storage Manager - 11.08.02.07

Manage Go To Log Tools Help

Dashboard | Physical | Logical

WIN-TSVMFD6FTU1
  Supermicro SMC2208 (Bus 1,Dev 0)
    Drive Group: 0, RAID 0
      Virtual Drive(s):
        Virtual Drive: 0, VD_
      Drives:
        Backplane, Slot: 0, S
        Backplane, Slot: 1, S
        Backplane, Slot: 2, S
        Backplane, Slot: 3, S
        Backplane, Slot: 4, S
        Backplane, Slot: 5, S
        Backplane, Slot: 6, S
        Backplane, Slot: 7, S

Properties

Disable Alarm
Silence Alarm

Start Patrol Read
Set Patrol Read Properties

Disable SSD Guard

Scan Foreign Configuration
Load Configuration
Save Configuration
Clear Configuration

Set Consistency Check Properties
Schedule Consistency Check

Set Adjustable Task Rates

Preserved Cache

Update Controller Firmware
Manage MegaRAID Advanced Software Options
Manage Link Speed
Save TTY Log

Alarm Present

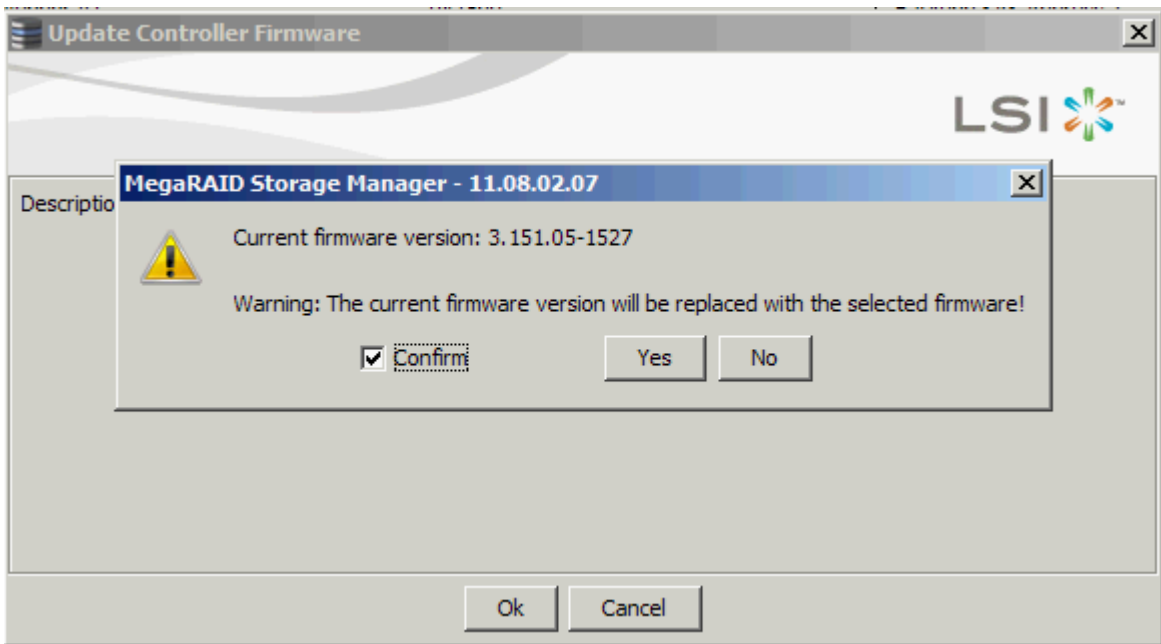2) Click Browse to search for new firmware

3) Select the new MegaRAID controller firmware
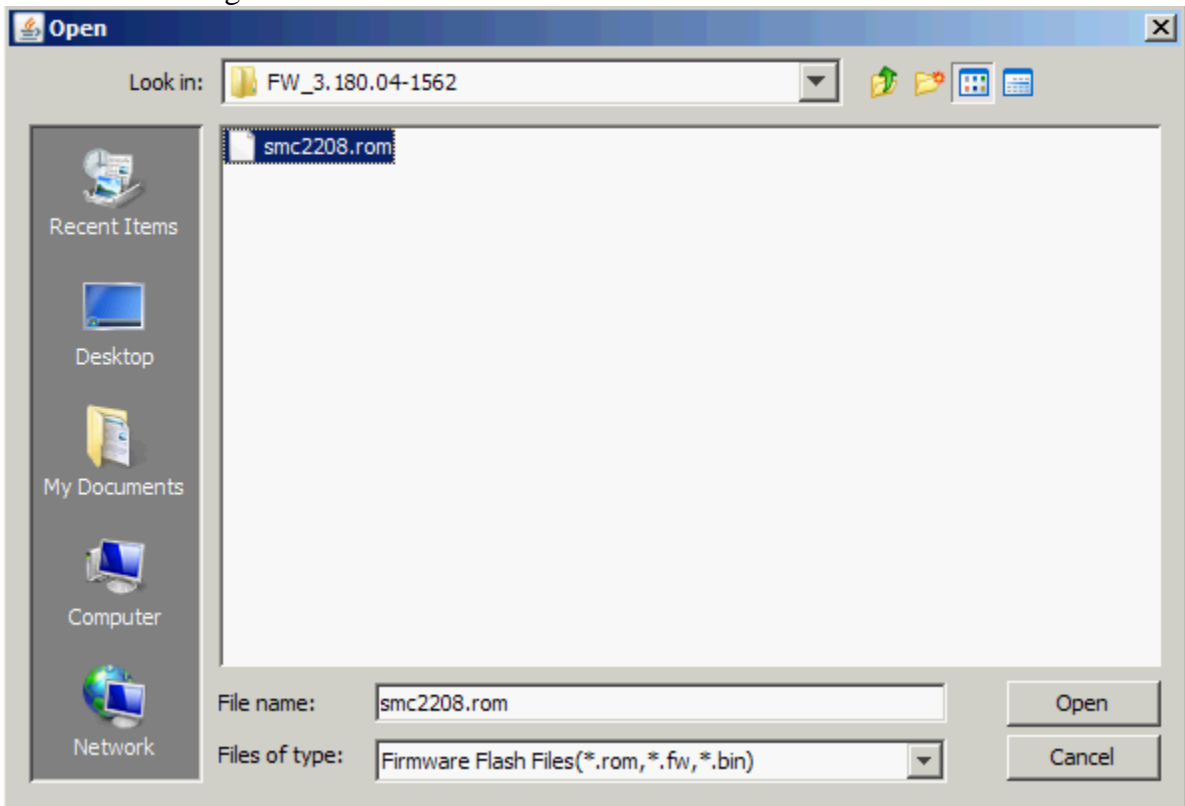
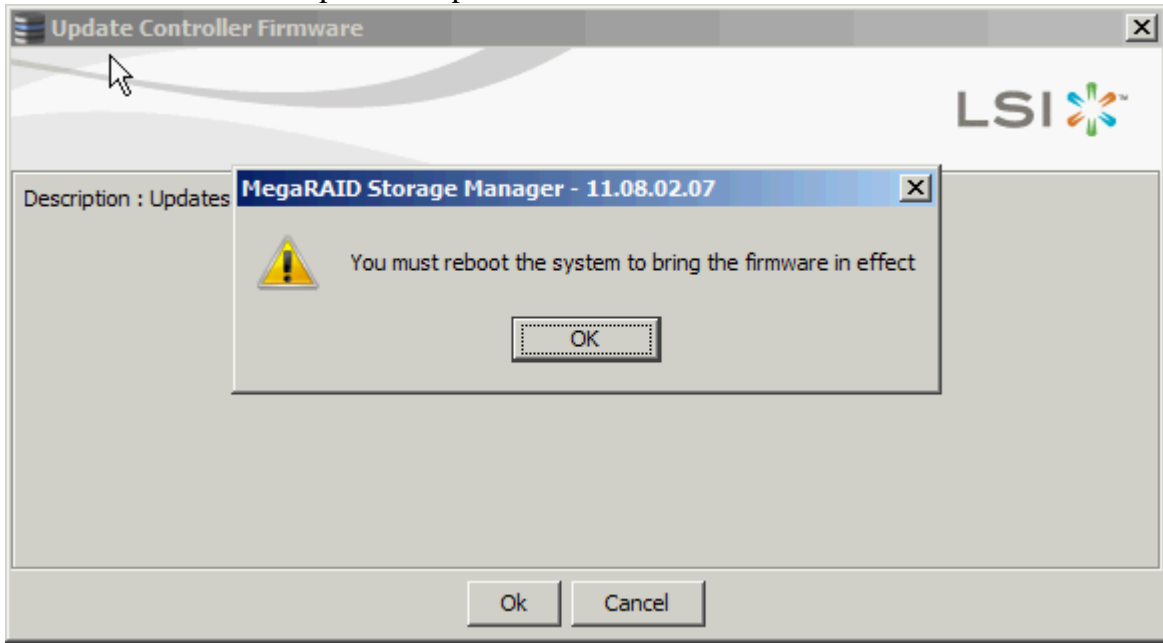4) Click OK to continue
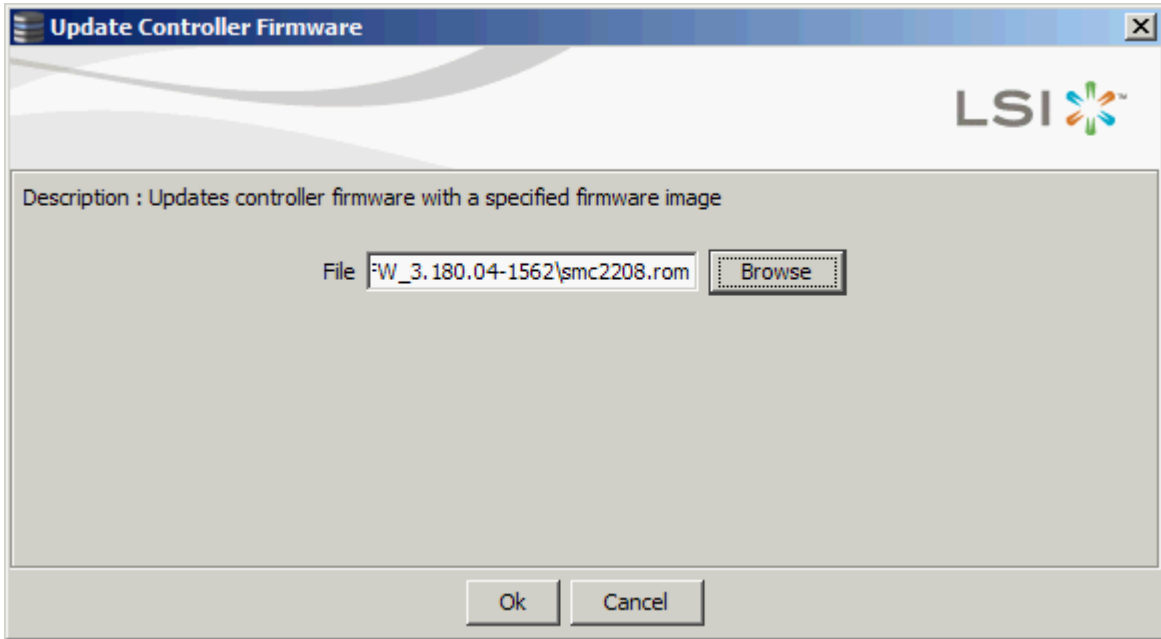
5) Check the "Confirm" box and click OK to continue

*** Wait for around 1~2 minutes to complete

6) Click OK once firmware update completed

7) Reboot the system and check firmware version in controller OPROM banner during boot

8) Check firmware version using MSM in OS