Subject: [PATCH 2.6.19-rc2] scsi: megaraid_{mm, mbox}: 64-bit DMA capability fix
Posted by vaverin on Mon, 16 Oct 2006 08:08:43 GMT
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From: Andrey Mirkin (amirkin@sw.ru)

It is known that 2 LSI Logic MegaRAID SATA RAID Controllers (150-4 and 150-6)
don't support 64-bit DMA. Unfortunately currently this check is wrong and driver
sets 64-bit DMA mode for these devices.

Signed-off-by: Andrey Mirkin <amirkin@sw.ru>
Ack-by: Vasily Averin <vvs@sw.ru>

```
---  linux-2.6.19-rc2/drivers/scsi/megaraid/megaraid_mbox.c.mgst6 2006-10-16
10:26:50.000000000 +0400
+++ linux-2.6.19-rc2/drivers/scsi/megaraid/megaraid_mbox.c 2006-10-16
11:30:55.000000000 +0400
@@ -884,7 +884,7 @@ megaraid_init_mbox(adapter_t *adapter)

  if (((magic64 == HBA_SIGNATURE_64_BIT) &&
   ((adapter->pdev->subsystem_device !=
-  PCI_SUBSYS_ID_MEGARAID_SATA_150_6) ||
+  PCI_SUBSYS_ID_MEGARAID_SATA_150_6) &&
   (adapter->pdev->subsystem_device !=
   PCI_SUBSYS_ID_MEGARAID_SATA_150_4))) ||
   (adapter->pdev->vendor == PCI_VENDOR_ID_LSI_LOGIC &&


---  linux-2.6.19-rc2/drivers/scsi/megaraid/megaraid_mbox.c.mgst6 2006-10-16
10:26:50.000000000 +0400
+++ linux-2.6.19-rc2/drivers/scsi/megaraid/megaraid_mbox.c 2006-10-16 11:30:55.000000000
+0400
@@ -884,7 +884,7 @@ megaraid_init_mbox(adapter_t *adapter)

  if (((magic64 == HBA_SIGNATURE_64_BIT) &&
   ((adapter->pdev->subsystem_device !=
-  PCI_SUBSYS_ID_MEGARAID_SATA_150_6) ||
+  PCI_SUBSYS_ID_MEGARAID_SATA_150_6) &&
   (adapter->pdev->subsystem_device !=
   PCI_SUBSYS_ID_MEGARAID_SATA_150_4))) ||
   (adapter->pdev->vendor == PCI_VENDOR_ID_LSI_LOGIC &&
```