
Subject: RE: [PATCH 2.6.19-rc2] scsi: megaraid_{mm, mbox}: 64-bit DMA capability fix

Posted by [Seokmann.Ju](#) on Mon, 16 Oct 2006 12:32:14 GMT

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Hi,

Monday, October 16, 2006 4:09 AM, Vasily Averin wrote:

> 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.

ACK - this patch will fix the problem.

Thank you for the finding, Vasily.

Seokmann

> -----Original Message-----

> From: Vasily Averin [mailto:vvs@sw.ru]

> Sent: Monday, October 16, 2006 4:09 AM

> To: Linux Kernel Mailing List; linux-scsi@vger.kernel.org;

> Ju, Seokmann; James Bottomley; Andrew Morton; Linus Torvalds;

> devel@openvz.org

> Cc: Andrey Mirkin

> Subject: [PATCH 2.6.19-rc2] scsi: megaraid_{mm,mbox}: 64-bit
> DMA capability fix

>

> 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 &&  
>  
>
```
