

Re: Can't enable DMA when using IDE devices on SATA controllers

Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2006-05/msg05353.html>

- *From:* wwp <subscript@xxxxxxx>
 - *Date:* Wed, 31 May 2006 18:58:17 +0200
-

Hello Marcelo,

On Wed, 31 May 2006 13:06:54 -0300 "Marcelo Magno T. Sales" <marcelo.sales@xxxxxxxxxxxxxxxx> wrote:

Hi,

I have several IBM desktops and some notebooks in which the IDE interface is a SATA controller, most of them Intel. Here's lspci output:

```
-----  
[marcelo.sales@sf002698 ~]$ /sbin/lspci | grep IDE  
00:1f.2 IDE interface: Intel Corporation 82801FB/FW (ICH6/ICH6W) SATA  
Controller (rev 03)  
-----
```

On these machines, I can't enable DMA on IDE devices. hdparm shows:

```
-----  
[marcelo.sales@sf002698 ~]$ /sbin/hdparm /dev/hdc  
/dev/hdc:  
IO_support = 0 (default 16-bit)  
unmaskirq = 0 (off)  
using_dma = 0 (off)  
keepsettings = 0 (off)  
readonly = 0 (off)  
readahead = 256 (on)  
HDIO_GETGEO failed: Inappropriate ioctl for device  
-----
```

When I try to enable DMA, I get:

```
-----  
[marcelo.sales@sf002698 ~]$ su -c '/sbin/hdparm -d1 /dev/hdc'  
/dev/hdc:  
setting using_dma to 1 (on)  
HDIO_SET_DMA failed: Operation not permitted  
using_dma = 0 (off)  
-----
```

I thought this was caused by lack of kernel support for the SATA controller, but I've compiled the FC kernel and the vanilla kernel several

Re: Can't enable DMA when using IDE devices on SATA controllers

times, with different settings, and have got no luck on this. libata is built and loaded, as shown by lsmod:

```
[marcelo.sales@sf002698 ~]$ /sbin/lsmod | grep libata
```

```
libata 58065 1 ata_piix
```

```
scsi_mod 129001 3 sg,libata,sd_mod
```

What needs to be done to enable DMA support? I'm using kernel 2.6.16-1.2122_FC5smp.

Does this mean that none of the replies you got to your previous email provided a solution?

Regards,

—

wwp

Attachment: signature.asc

Description: PGP signature

—

fedora-list mailing list

fedora-list@xxxxxxxxxxx

To unsubscribe: <https://www.redhat.com/mailman/listinfo/fedora-list>