

Re: [PATCH] make ide-cd handle non-2kB sector sizes

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-01/6081.html>

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Date: 01/23/04

Date: Fri, 23 Jan 2004 23:10:01 +0100 (CET)

To: Pascal Schmidt <der.eremit@email.de>

On Fri, 23 Jan 2004, Pascal Schmidt wrote:

> > *So that's just opposite to what ide-cd does, but I think ide-cd should be*
> > *limited to CD-like devices with their all properties (oddities).*
>
> *When I brought up the issue a few months back, the consensus was to*
> *use ide-cd, not ide-floppy.*

Interesting. I would consider ide-floppy (despite its somewhat inadequate name) the driver for all ATAPI disks as opposed to ATA disks that use ide-disk. CD-like devices are much different, supporting such alien to disk devices entities like tracks or audio reading or playing.

BTW, does ide-cd support partition tables yet? You typically want them for MO disks if you want to transport data to/from other Oses or simply because their space is big enough to create separate filesystems for certain applications. Or perhaps swap space even. ;-)

> > *Specifically you can do random writes to an MO disk, perhaps even format*
> > *it, which is usually not the case with CDs.*
>
> *ide-cd also handles DVD-RAM, which can also handle random writes.*

Well, an exception rather than a rule. ;-)

> > *BTW, what does ide-scsi say of the device type for the MO: is it "CD-ROM"*
> > *or "Direct-Access" or anything else? I used an MO drive (a SCSI one --*
> > *nobody was crazy enough to think of an ATAPI interface for that kinds of*
> > *devices at that time) for a short while under Linux once and it used to be*
> > *the latter, with sd, not sr being the appropriate driver.*
>
> *On 2.4:*
>
> *scsi0 : SCSI host adapter emulation for IDE ATAPI devices*
> *Vendor: FUJITSU Model: M25-MCC3064AP Rev: 0051*

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- > *Type: Optical Device ANSI SCSI revision: 02*
- >
- > *And yes, this uses the sd driver.*

I see --- that's reasonable. And I can't understand the proposed inconsistency with drivers --- why it should be a CD when being an ATAPI device and a disk when being a SCSI one? After all SCSI has a separate driver for CDs as well...

Maciej

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