

Re: readahead logic and I/O errors

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-02/msg05677.html>

- *From:* Michael Tokarev <mjt@xxxxxxxxxxx>
 - *Date:* Thu, 16 Feb 2006 01:02:18 +0300
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linux-os (Dick Johnson) wrote:

On Wed, 15 Feb 2006, Michael Tokarev wrote:

The thing is: I just fired a cdrom drive in my PC.
It was a good device, and now it's dead.
And the reason is the readahead logic, plus an unreadable
(damaged, scratched) CD-rom.

[]

Aside from the obvious read-ahead bug you discovered, have you tried your CD drive after the reboot? It is not possible to kill those things with software, even if attempting to write with too much infrared LED drive. There is nothing except for the removable disc to get hurt. Even the "head" isn't in contact. It's just some infrared light, focused with a voice-coil, that moves on a fixed platform.

I opened the drive after BIOS didn't detect it on reboot (after power-off). There's one fired (burned? perished? how's that in english?) chip on the plate, wich smells like fired silicone. It looks like a ~5mm pit in the center of square chip, full of ache, and there's a crack across it. The drive is dead.

I think it's a chip which controls one of the motors of the drive, most probably the one which moves the head, because the head motor connector is right near the chip.

When I turned off power, the drive was *hot*, and it started "trembling" (or chattering) when I turned power off.

It was a dvd-cd combo (read dvd, read-write cd) Teac drive, I don't remember the model (there's no label on the drive, and I can't send inquiry/identify command to it anymore, obviously).

Re: readahead logic and I/O errors

Yest it looks like a problem in the drive *too*, as it should not behave like that in the first place. But the thing is, I did know something's bad going on, I saw it, but I wasn't able to stop it from linux, only poweroff stopped things from going.

/mjt

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