

Re: [PATCH 10/11] LED: Add IDE disk activity LED trigger

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-01/msg11565.html>

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 - *Date:* Wed, 01 Feb 2006 09:08:42 +1100
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> Ben, code in pmac.c (+ block layer) seems to be doing something
> different then Kconfig help entry states ("Blink laptop LED on drive
> activity")?
>
>> I'll experiment with the feasibility of the block later as I've always
>> been uneasy about the hooks into the lower level layers. There are a
>> number of issues to consider though.

The hook in the block layer was Jens idea :)

> At worst it should be handled at host driver level not device driver
> (like pmac.c and hwif->act_led).
>
>> 1. The block layer isn't always aware of device activity (eg. flash
>> block erasing in mtd devices) (is this the case for IDE?).
>
> Same is true for ide-disk changes - they are aware only of filesystem
> activity (no flush cache, special commands, I/O taskfiles etc.).

It wouldn't be too hard to kick the led on DMA start and off after a
timeout kicked from DMA end...

> Isn't ->end_request hook in ide_driver_t enough?
>
> I see no reason why the custom ->end_request function cannot
> be added to ide-disk. All needed infrastructure is there.

I'm not sure ide-disk is the right spot ... what if one wants LEDs for
CD-ROMs or other IDE devices like flash cards ?

>> Alternatively it could be made to apply to all ide activity if a
>> suitable start request point was found to hook into.
>
> start_request() in ide-io.c
>
> Thanks,
> Bartlomiej

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• **References:**

- ◆ **[PATCH 10/11] LED: Add IDE disk activity LED trigger**
 ◇ From: Richard Purdie
 - ◆ **Re: [PATCH 10/11] LED: Add IDE disk activity LED trigger**
 ◇ From: Bartlomiej Zolnierkiewicz
 - ◆ **Re: [PATCH 10/11] LED: Add IDE disk activity LED trigger**
 ◇ From: Richard Purdie
 - ◆ **Re: [PATCH 10/11] LED: Add IDE disk activity LED trigger**
 ◇ From: Bartlomiej Zolnierkiewicz
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