

# USB autosuspend and turning of usb pendrive leds

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  - *Date:* Fri, 21 Sep 2007 15:28:36 +0200
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Hi All,

Please keep me CC-ed as I'm not subscribed.

Some time ago a mail about turning of the leds on usb pendrives once unmounted by hal was send to the fedora-devel list:

<https://www.redhat.com/archives/fedora-devel-list/2007-August/msg01807.html>

This mail talked about echo 2 > power/state for usb devices.

I tested the method described in the mail to turn of the drive light and it worked well.

As I think that turning of the drive led (as windows does) would be good visual feedback to the end user that its safe to remove the device I've written a patch for hal which does the power state change automatically when the last partition of a usb massstorage device gets unmounted.

However when testing the patch I found out that my now newer kernel no longer has power/state for usb devices, it only has power/level. I can send suspend to power/level, but then remounting the device won't work and me syslog fills itself with:

```
sd 2:0:0:0: [sdc] READ CAPACITY failed
sd 2:0:0:0: [sdc] Result: hostbyte=DID_ERROR driverbyte=DRIVER_OK,SUGGEST_OK
sd 2:0:0:0: [sdc] Sense not available.
sd 2:0:0:0: [sdc] Write Protect is off
sd 2:0:0:0: [sdc] Mode Sense: 00 00 00 00
sd 2:0:0:0: [sdc] Assuming drive cache: write through
```

Because hal keeps polling the device.

So this leads me to a couple of questions:

- 1) Would it be possible to funtionality to the kernel to suspend a device in such a way that it will automatically unsuspend when used again?
- 2) Would it be possible to still make the polls succeed then with out unsuspending the device (or atleast without doing something that would make the led light again, what makes the led light exactly is unknown), or should hal stop polling then?

Note I'm aware that some usb devices may not like being suspended, but thats a problem for later, if this cannot be made to work with devices which do handle suspend properly, then thinking about white and/or

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blacklisting it irrelevant.

Regards,

Hans

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