

Re: [Patch] 2.4.28-pre3 tty/lldisc fixes

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-10/10319.html>

From: Sergey Vlasov (vsu_at_altlinux.ru)

Date: 10/31/04

Date: Sun, 31 Oct 2004 20:18:14 +0300

To: Jason Baron <jbaron@redhat.com>

On Sat, Oct 30, 2004 at 11:19:55PM +0400, Sergey Vlasov wrote:

> On Fri, Oct 29, 2004 at 02:29:43PM -0400, Jason Baron wrote:

> > Here's an updated 2.4 tty patch. I'm not sure if the updated patch would

> > fix the above issue, but it has a lot of changes so it might be worth a

> > try.

>

> This looks better - at least the system boots without hang or oops ;)

However, this seems to break SieFS 0.2

(http://mirror01.users.i.com.ua/~dmitry_z/siefs/; 0.4 is broken with Siemens x55 models): even "slink i" does not work:

```
ioctl(3, SNDCTL_TMR_TIMEBASE or TCGETS, {c_iflags=0x5, c_oflags=0, c_cflags=0xebe, c_lflags=0,
c_line=0, c_cc[VMIN]=0, c_cc[VTIME]=2,
c_cc="\x00\x00\x00\x00\x00\x02\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00"}) = 0
ioctl(3, SNDCTL_TMR_START or TCSETS, {c_iflags=0x5, c_oflags=0, c_cflags=0x1eb1, c_lflags=0,
c_line=0, c_cc[VMIN]=0, c_cc[VTIME]=2,
c_cc="\x00\x00\x00\x00\x00\x02\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00"}) = 0
ioctl(3, SNDCTL_TMR_TIMEBASE or TCGETS, {c_iflags=0x5, c_oflags=0, c_cflags=0x1eb1, c_lflags=0,
c_line=0, c_cc[VMIN]=0, c_cc[VTIME]=2,
c_cc="\x00\x00\x00\x00\x00\x02\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00"}) = 0
ioctl(3, SNDCTL_TMR_TIMEBASE or TCGETS, {c_iflags=0x5, c_oflags=0, c_cflags=0x1eb1, c_lflags=0,
c_line=0, c_cc[VMIN]=0, c_cc[VTIME]=2,
c_cc="\x00\x00\x00\x00\x00\x02\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00"}) = 0
ioctl(3, SNDCTL_TMR_START or TCSETS, {c_iflags=0x5, c_oflags=0, c_cflags=0x1eb1, c_lflags=0,
c_line=0, c_cc[VMIN]=0, c_cc[VTIME]=3,
c_cc="\x00\x00\x00\x00\x00\x03\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00"}) = 0
ioctl(3, SNDCTL_TMR_TIMEBASE or TCGETS, {c_iflags=0x5, c_oflags=0, c_cflags=0x1eb1, c_lflags=0,
c_line=0, c_cc[VMIN]=0, c_cc[VTIME]=3,
c_cc="\x00\x00\x00\x00\x00\x03\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00\x00"}) = 0
write(3, "\2\1\3\24", 4) = 4
read(3, "", 1) = 0
```

There is no response to the packet. Without the tty patch SieFS works; 2.6.9 (where locking fixes are already applied) also works.

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The bug might really be in the pl2303 driver (the 2.4 version is missing some patches which are in 2.6.x). Will try to investigate this further...

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