
Subject: Re: [PATCH] pci_get_device call from interrupt in reboot fixups

Posted by [Greg KH](#) on Tue, 07 Aug 2007 07:42:32 GMT

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On Tue, Aug 07, 2007 at 12:44:55AM -0700, Andrew Morton wrote:

> On Tue, 7 Aug 2007 00:24:37 -0700 Andrew Morton <akpm@linux-foundation.org> wrote:

>

> > > Andrew, I really don't want to change the PCI core to handle this, as we

> > > finally fixed a lot of issues with drivers trying to walk these lists

> > > from interrupt context. So if you want to just hide the warning message

> > > as we are shutting down, that's fine with me. Or just don't do the

> > > fixups. But grabbing a reference to the pci device is unsafe in my

> > > opinion and I do not want to do that.

> > >

> >

> > OK, good decision ;)

> >

> > One approach would be for some brave soul to pick his way through

> > the reboot code and ensure that we are correctly and reliably setting

> > system_state to SYSTEM_RESTART, then test that in __might_sleep().

> >

> > But this does suppress somewhat-useful debugging just because of sysrq-B

> > and I really wouldn't want to utilise the horrid system_state any more that

> > we are presently doing. I think on balance that it would be better if we

> > could do something more targetted, like modify emergency_restart() to test

> > in_interrupt() and to then apologetically set some well-named global flag

> > which will shut up __might_sleep(). Pretty foul, but I can't think of

> > anything better.

>

> ok, this might be better. How about we just stop calling mach_reboot_fixups()

> at sysrq-B time?

Fine with me, but what hardware will be messed up because of this?

thanks,

greg k-h
