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Subject: Re: [PATCH] pci\_get\_device call from interrupt in reboot fixups

Posted by [Andrew Morton](#) on Tue, 07 Aug 2007 07:44:55 GMT

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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?

> > > handle\_sysrq  
> > > machine\_emergency\_restart  
> > > mach\_reboot\_fixups  
> > > pci\_get\_device  
> > > pci\_get\_subsys  
> > > down\_read

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