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

Posted by [den](#) on Tue, 07 Aug 2007 07:49:52 GMT

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Greg KH wrote:

> 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?

```
static struct device_fixup fixups_table[] = {
```

```
> > { PCI_VENDOR_ID_CYRIX, PCI_DEVICE_ID_CYRIX_5530_LEGACY,
```

```
> > cs5530a_warm_reset },
```

```
> > { PCI_VENDOR_ID_AMD, PCI_DEVICE_ID_AMD_CS5536_ISA, cs5536_warm_reset },
```

```
> > };
```
