Subject: Re: [PATCH] pci_get_device call from interrupt in reboot fixups Posted by den on Tue, 07 Aug 2007 07:49:52 GMT

View Forum Message <> Reply to Message

```
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 sysrg-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 },
```

> > };