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

Posted by [den](#) on Mon, 06 Aug 2007 07:16:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

Greg KH wrote:

> On Fri, Aug 03, 2007 at 02:39:24PM +0400, Denis V. Lunev wrote:

>> The following calltrace is possible now:

>> handle_sysrq

>> machine_emergency_restart

>> mach_reboot_fixups

>> pci_get_device

>> pci_get_subsys

>> down_read

>> The patch obtains PCI device during initialization to avoid bothering PCI

>> search engine in interrupt. Devices used in this code are not supposed to

>> be pluggable, so it looks safe to keep them.

>

> What devices are supposed to be affected here? Are you sure that they

> can't be removed later? Grabbing references here might mess with them

> in the future.

Right now the list is the following:

```
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 },
```

```
};
```

Though, if the approach is not suitable, we can skip fixups if we came from sysrq.

Regards,

Den
