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

Posted by [den](#) on Tue, 07 Aug 2007 09:04:39 GMT

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The following calltrace is possible now:

```
handle_sysrq
  machine_emergency_restart
    mach_reboot_fixups
      pci_get_device
        pci_get_subsys
          down_read
```

The patch skips reboot fixup if called from sysrq-B code.

--- ./arch/i386/kernel/reboot_fixups.c.fixup2 2007-08-07 12:30:30.000000000 +0400

+++ ./arch/i386/kernel/reboot_fixups.c 2007-08-07 12:31:22.000000000 +0400

@@ -11,6 +11,7 @@

```
#include <asm/delay.h>
```

```
#include <linux/pci.h>
```

```
#include <linux/reboot_fixups.h>
```

```
+#include <linux/interrupt.h>
```

```
static void cs5530a_warm_reset(struct pci_dev *dev)
```

```
{
```

@@ -43,6 +44,11 @@ void mach_reboot_fixups(void)

```
    struct pci_dev *dev;
```

```
    int i;
```

```
+ /* we can be called from sysrq-B code. In such a case it is
```

```
+  * prohibited to dig PCI */
```

```
+ if (in_interrupt())
```

```
+ return;
```

```
+
```

```
    for (i=0; i < ARRAY_SIZE(fixups_table); i++) {
```

```
        cur = &(fixups_table[i]);
```

```
        dev = pci_get_device(cur->vendor, cur->device, NULL);
```