
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);
```
