Subject: [PATCH] pci_get_device call from interrupt in reboot fixups (description fixed)
Posted by den on Tue, 07 Aug 2007 09:13:03 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.

Signed-off-by: Denis V. Lunev <den@openvz.org>

```
 reboot_fixups.c |    6 ++++++
  1 file changed, 6 insertions(+)

--- ./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);
```