Re: 2.6.5−rc2−mm4 (and 3) IRQ problem

Source: http://linux.derkeiler.com/Mailing−Lists/Kernel/2004−03/6997.html

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From: Len Brown (*len.brown_at_intel.com*)
Date: 03/29/04

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To: Fabio Coatti <cova@ferrara.linux.it>
Date:   28 Mar 2004 23:59:33 −0500
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Need full dmesg (eg. dmesg −s40000) to see if it is related to recent
ACPI changes. like this:

http://bugzilla.kernel.org/show_bug.cgi?id=2366

thanks,
−Len

On Sat, 2004−03−27 at 13:13, Fabio Coatti wrote:
> I'm seeing a problem with ethernet driver (e1000) on 2.6.5−rc2−mm4,
> here the
> syslog excerpt:
>
> ========================
> Mar 27 18:39:23 kefk kernel: e1000: eth0 NIC Link is Up 100 Mbps Full
> Duplex
> Mar 27 18:39:23 kefk kernel: irq 18: nobody cared!
> Mar 27 18:39:23 kefk kernel: Call Trace:
> Mar 27 18:39:23 kefk kernel: [<c010882b>] __report_bad_irq+0x2a/0x8b
> Mar 27 18:39:23 kefk kernel: [<c0108937>] note_interrupt+0x91/0xaf
> Mar 27 18:39:23 kefk kernel: [<c0108c4a>] do_IRQ+0x151/0x19a
> Mar 27 18:39:23 kefk kernel: [<c034b4c8>] common_interrupt+0x18/0x20
> Mar 27 18:39:23 kefk kernel: [<c0104c2e>] default_idle+0x0/0x2c
> Mar 27 18:39:23 kefk kernel: [<c0104c57>] default_idle+0x29/0x2c
> Mar 27 18:39:23 kefk kernel: [<c0104cbb>] cpu_idle+0x2e/0x3c
> Mar 27 18:39:23 kefk kernel: [<c0430a02>] start_kernel+0x196/0x1c5
> Mar 27 18:39:23 kefk kernel: [<c0430436>]
> unknown_bootoption+0x0/0x126
> Mar 27 18:39:23 kefk kernel:
> Mar 27 18:39:23 kefk kernel: handlers:
> Mar 27 18:39:23 kefk kernel: [<c02a7b0b>] (ata_interrupt+0x0/0x173)
> Mar 27 18:39:23 kefk kernel: [<c02d2f9c>] (usb_hcd_irq+0x0/0x67)
> Mar 27 18:39:23 kefk kernel: Disabling IRQ #18
> ==========================
>
> I've seen the same problem on −mm3, but that version has other
> problems that

> *prevents me to do more tests.*
>
> *A similar issue was present in earlier kernel when I've tried to use*
> *SATA*
> *driver compiled as modules, same behaviour, solved by compiling SATA*
> *driver*
> *as built−in, not as module. (I've both normal ATA and SATA controllers*
> *active*
> *on my mb)*
>
> *under 2.6.5−rc2−mm1, this is the output of cat /proc/interrupts; as*
> *you can*
> *see there is also a nvidia module, but the problem arises event*
> *without that*
> *module. irq 18 is shared between eth0,libata and uhci_hcd.*
>
> *[root@kefk root]# cat /proc/interrupts*
> *CPU0 CPU1*
> *0: 1002506 0 IO−APIC−edge timer*
> *1: 4722 0 IO−APIC−edge i8042*
> *2: 0 0 XT−PIC cascade*
> *9: 0 0 IO−APIC−level acpi*
> *12: 8826 0 IO−APIC−edge i8042*
> *14: 11920 0 IO−APIC−edge ide0*
> *15: 23 0 IO−APIC−edge ide1*
> *16: 278123 0 IO−APIC−level uhci_hcd, uhci_hcd, nvidia*
> *17: 2337 0 IO−APIC−level Intel ICH5*
> *18: 56240 0 IO−APIC−level libata, uhci_hcd, eth0*
> *19: 55 0 IO−APIC−level uhci_hcd*
> *22: 279 0 IO−APIC−level aic7xxx*
> *23: 0 0 IO−APIC−level ehci_hcd*
> *NMI: 0 0*
> *LOC: 1002427 1002439*
> *ERR: 0*
> *MIS: 0*
>
> *The MB is a ABIT IC7−G (i875p) ICH5, the kernel is compiled with*
> *SMP/SMT*
> *support active.*
>
> *Please let me know if more details are needed.*
>
> *A small question, not related to the above issue:*
> *reverting 4k−stacks−always−on.patch can lead to problems or it's safe?*
> *I've to*
> *run nvidia binary driver so I've to use 8k instead of 4k; it would be*
> *better*
> *(for my standpoint) to have the possibility to disable 4k from config,*
> *but to*
> *do so I've to revert this patch. Apart from losing time to do a patch*
> *−R :),*

> *using 8k can be a problem?*
> *Many thanks for any answer.*
> *−−*
> *Fabio Coatti http://www.ferrara.linux.it/members/cova*
> *Ferrara Linux Users Group http://ferrara.linux.it*
> *GnuPG fp:9765 A5B6 6843 17BC A646 BE8C FA56 373A 5374 C703*
> *Old SysOps never die... they simply forget their password.*
> *−*
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