

NIC irq nobody cared ? virtual to physical and DMA questions

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Hello List,

This time the questions are different.

Given the following output could anyone please tell me what is wrong ?

In explicit what does that mysterious "nobody cared" message mean?

And another stupid question: should DMA for a network card be enabled before or maybe _after_ interrupts get enabled? And... how to convert virtual address to physical one?

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Nov 29 21:25:47 debian kernel: atheros: receive init routine called
Nov 29 21:25:47 debian kernel: atheros: physical address of RX head is 00000000
Nov 29 21:25:47 debian kernel: atheros: enabling DMA receive. this can crash things supposedly.
Nov 29 21:25:47 debian kernel: irq 11: nobody cared (try booting with the "irqpoll" option)
Nov 29 21:25:47 debian kernel: [dump_stack+23/32] dump_stack+0x17/0x20
Nov 29 21:25:47 debian kernel: [__report_bad_irq+39/144] __report_bad_irq+0x27/0x90
Nov 29 21:25:47 debian kernel: [note_interrupt+114/192] note_interrupt+0x72/0xc0
Nov 29 21:25:47 debian kernel: [__do_IRQ+200/224] __do_IRQ+0xc8/0xe0
Nov 29 21:25:47 debian kernel: [do_IRQ+80/128] do_IRQ+0x50/0x80
Nov 29 21:25:47 debian kernel: =====
Nov 29 21:25:47 debian kernel: [common_interrupt+26/32] common_interrupt+0x1a/0x20
Nov 29 21:25:47 debian kernel: [do_softirq+115/128] do_softirq+0x73/0x80
Nov 29 21:25:47 debian kernel: =====
Nov 29 21:25:47 debian kernel: [irq_exit+67/80] irq_exit+0x43/0x50
Nov 29 21:25:47 debian kernel: [do_IRQ+87/128] do_IRQ+0x57/0x80
Nov 29 21:25:47 debian kernel: [common_interrupt+26/32] common_interrupt+0x1a/0x20
Nov 29 21:25:47 debian kernel: [pg0+260065664/1065075712] ath_init+0x30/0x80 [atheros]
Nov 29 21:25:47 debian kernel: [dev_open+70/144] dev_open+0x46/0x90
Nov 29 21:25:47 debian kernel: [dev_change_flags+83/288] dev_change_flags+0x53/0x120
Nov 29 21:25:47 debian kernel: [devinet_ioctl+1437/1472] devinet_ioctl+0x59d/0x5c0
Nov 29 21:25:47 debian kernel: [inet_ioctl+166/208] inet_ioctl+0xa6/0xd0
Nov 29 21:25:47 debian kernel: [sock_ioctl+248/592] sock_ioctl+0xf8/0x250
Nov 29 21:25:47 debian kernel: [do_ioctl+40/144] do_ioctl+0x28/0x90
Nov 29 21:25:47 debian kernel: [vfs_ioctl+87/496] vfs_ioctl+0x57/0x1f0
Nov 29 21:25:47 debian kernel: [sys_ioctl+57/96] sys_ioctl+0x39/0x60
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Linux-Kernel: NIC irq nobody cared ? virtual to physical and DMA questions

Nov 29 21:25:47 debian kernel: [syscall_call+7/11] syscall_call+0x7/0xb
Nov 29 21:25:47 debian kernel: handlers:
Nov 29 21:25:47 debian kernel: [usb_hcd_irq+0/80] (usb_hcd_irq+0x0/0x50)
Nov 29 21:25:47 debian last message repeated 3 times
Nov 29 21:25:47 debian kernel: [yenta_interrupt+0/192] (yenta_interrupt+0x0/0xc0)
Nov 29 21:25:47 debian kernel: [pg0+260075488/1065075712] (ath_intr+0x0/0x150 [atheros])
Nov 29 21:25:47 debian kernel: Disabling IRQ #11
Nov 29 21:25:47 debian kernel: atheros: interrupts enabled
Nov 29 21:25:47 debian kernel: atheros: device up and running

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kind regards,
Mateusz Berezacki

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