

Hard lockup on IBM ThinkPad T42

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-09/9120.html>

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To: linux-thinkpad@linux-thinkpad.org, linux-kernel@vger.kernel.org

Hi, I just got an IBM ThinkPad T42 (model 2378FVU) with Centrino/Pentium M 735 and a Radeon 9600. I'm running 2.6.9-rc3 (with ipw2200 0.9 wireless drivers) and I've experienced several hard lockups over the past few days.

The system seems to be completely unresponsive to keyboard and network, and even "nmi_watchdog=2" didn't produce anything. I'm not sure what triggers the lockup -- I've had them happen while the system was idle running an X screensaver, and also while I've been on the console (non-X) doing nothing but typing through an ssh connection. Generally it takes a couple of hours for the lockup to happen.

Has anyone seen anything similar? Any ideas on how to go about debugging this?

I'm including my modules and /proc/interrupts, and my .config is attached.

Thanks,
Roland

```

CPU0
0: 390269 XT-PIC timer
1: 2320 XT-PIC i8042
2: 0 XT-PIC cascade
8: 4 XT-PIC rtc
9: 212 XT-PIC acpi
11: 828 XT-PIC ehci_hcd, uhci_hcd, uhci_hcd,
uhci_hcd, Intel 82801DB-ICH4, yenta, yenta, ipw2200
12: 18184 XT-PIC i8042
14: 7395 XT-PIC ide0
15: 3511 XT-PIC ide1
NMI: 40
LOC: 106169
ERR: 0
MIS: 0
```

Module Size Used by

Linux-Kernel: Hard lockup on IBM ThinkPad T42

ds 17988 4
parport_pc 34112 1
lp 10500 0
parport 39624 2 parport_pc,lp
thermal 12816 0
fan 3852 0
button 6552 0
ac 4748 0
battery 9228 0
ipv6 250496 14
ipw2200 104172 0
ieee80211 21060 1 ipw2200
ieee80211_crypt 5700 1 ieee80211
yenta_socket 20032 0
pcmcia_core 61388 2 ds,yenta_socket
snd_intel8x0 32296 3
snd_ac97_codec 66960 1 snd_intel8x0
snd_pcm_oss 51368 0
snd_mixer_oss 18880 2 snd_pcm_oss
snd_pcm 94628 3 snd_intel8x0,snd_pcm_oss
snd_timer 24836 1 snd_pcm
snd_page_alloc 9800 2 snd_intel8x0,snd_pcm
snd_mpu401_uart 7424 1 snd_intel8x0
snd_rawmidi 24192 1 snd_mpu401_uart
snd_seq_device 7944 1 snd_rawmidi
snd 53220 12
snd_intel8x0,snd_ac97_codec,snd_pcm_oss,snd_mixer_oss,snd_pcm,snd_timer,snd_mpu401_uart,snd_rawmidi,snd_s
intel_agp 21088 1
agpgart 33128 1 intel_agp
e1000 83204 0

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Please read the FAQ at <http://www.tux.org/lkml/>

- application/octet-stream attachment: [t42-config](#)