

[PATCH][2.4.21] orinoco_cs card reinsertion

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-08/8264.html>

From: Sebastian Reichelt (*SebastianR_at_gmx.de*)

Date: 08/31/03

Date: Sun, 31 Aug 2003 16:05:44 +0200

To: linux-kernel@vger.kernel.org

Hello!

After switching from 2.4.20 to 2.4.21 (Debian unstable package kernel-source-2.4.21-5), my wireless LAN PCMCIA card stopped working when I hot-removed and reinserted it. I got these messages in /var/log/syslog, plus a high beep on removal and a high and then a low beep on reinsertion:

Upon removal:

```
Aug 29 16:00:41 SebastianL2 kernel: orinoco_lock() called with  
hw_unavailable (dev=cf34b800)
```

Upon reinsertion:

```
Aug 29 16:00:44 SebastianL2 cardmgr[192]: socket 0: ZCOMAX  
AirRunner/XI-300  
Aug 29 16:00:44 SebastianL2 kernel: GetNextTuple(). No matching CIS  
configuration, maybe you need the ignore_cis_vcc=1 parameter.  
Aug 29 16:00:44 SebastianL2 kernel: orinoco_cs: GetFirstTuple: No more  
items  
Aug 29 16:00:45 SebastianL2 cardmgr[192]: get dev info on socket 0  
failed: Resource temporarily unavailable
```

I looked at the changes between the two kernels, in orinoco.c, orinoco_cs.c, and hermes.c, and it seems that quite a bit of code was restructured. So unfortunately, I cannot narrow it down to a single change that caused this. The attached patch fixes the problem for me, but it is NOT a simple copy from the old driver, and it may not be correct at all. However, it might give someone a hint about what went wrong. Anyway, even with this patch, I still get the "orinoco_lock() called with hw_unavailable" message when I remove the card.

Sorry if I'm posting a patch for a problem that has already been fixed in 2.4.22. The Debian package is still at 2.4.21, and I don't know anything about the Debian patches and why they are needed, etc. If I can just install a kernel from kernel.org, I will do this, and try to see if the problem is still there (I can see an item "orinoco driver update"

Linux-Kernel: [PATCH][2.4.21] orinoco_cs card reinsertion

in the changelog, but it's not specific). Should I also install a 2.6 kernel and check?

I have attached the output of `lspci -vvv` and the parts of the syslog that identify my card and show the problem. The controller is this entry in `lspci.txt`:

00:08.0 CardBus bridge: O2 Micro, Inc. OZ6912 Cardbus Controller

Here is the output of `ver_linux`:

Linux SebastianL2 2.4.21 #1 Sat Aug 30 00:22:04 CEST 2003 i686 GNU/Linux

Gnu C 3.3.2
Gnu make 3.80
binutils 2.14.90.0.5
util-linux 2.11z
mount 2.11z
modutils 0.9.13
e2fsprogs 1.35-WIP
pcmcia-cs 3.2.2
Linux C Library 2.3.2
Dynamic linker (ld) 2.3.2
Procps 3.1.11
Net-tools 1.60
Console-tools 0.2.3
Sh-utils 5.0.90

Hopefully someone can find the true cause of the problem. Good luck.

--
Sebastian Reichelt

—
To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to majordomo@vger.kernel.org
More majordomo info at <http://vger.kernel.org/majordomo-info.html>
Please read the FAQ at <http://www.tux.org/lkml/>

- text/plain attachment: [orinoco_cs.diff](#)

- text/plain attachment: [lspci.txt](#)

- text/plain attachment: [syslog.txt](#)