

Re: SIO Interrupt storms and unhandled interrupts

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2004-09/0867.html>

From: John Baldwin (jhb_at_FreeBSD.org)

Date: 09/10/04

To: Mike Tancsa <mike@sentex.net>

Date: Fri, 10 Sep 2004 15:20:44 -0400

On Friday 10 September 2004 03:05 pm, Mike Tancsa wrote:

> At 02:07 PM 10/09/2004, John Baldwin wrote:

> > > Mike Tancsa <mike@sentex.net> writes:

> > > : Thanks for the response! We found a different solution /

> > > : approach which seems to work on both RELENG_4 and RELENG_5. The

> > > : problem is that the modem is not being seen as a PCI / PUC device and

> > > : instead is being seen as an ISA SIO device ?? The following RELENG_5

> > > : and RELENG_4 patches seem to fix the problem. I wonder if the other

> > > : modems listed in `sio.c` suffer the same fate ?

> > > :

> > > : Also fixed in this are those "cant re-use leafs" at bootup time. The

> > > : modem is seen as a PUC device now.... At the bottom is a diff

> > > : between the boot -v

> > >

> > > I like this fix! I'll see if I can find to commit it.

> >

> > Note that hacking `sio` to not use `INTR_FAST` would have had the same result.

> > Note that in his `dmesg` diff, `sio4` has to fall back to normal interrupt

> > mode.

>

> While on this topic, we are still trying to track down one issue that we

> think is related. On a remote production machine (i.e. we cannot do too

> much with it just yet) the hardware watchdog will kick in a few times a

> month (perhaps in 1 week, perhaps after 2 weeks, perhaps 2 days-- at

> seemingly random intervals). Of the dozen or so machines we have deployed,

> its the only one with the modem (it does not have the patch forcing it to

> be a PUC device) that shares its interrupt with the onboard SMBus

> controller and its the only one where its locking up like this. We dont