

Re: Natsemi ethernet 'cable magic' fix can cause problems

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-07/6398.html>

From: Marcelo Tosatti (marcelo.tosatti_at_cyclades.com)

Date: 07/31/04

Date: Sat, 31 Jul 2004 11:51:13 -0300

To: Tim Hockin <thockin@hockin.org>

On Thu, May 13, 2004 at 10:03:58AM -0700, Tim Hockin wrote:

> *On Thu, May 13, 2004 at 11:35:03AM +0100, Colin Paton wrote:*

> > *The problem was strange – about 30% packet loss was experienced during*

> > *pings. Moving the box to a different ethernet wall outlet (but still*

> > *using the same port on the switch) cured the problem. The problem*

> > *therefore appeared to be cable dependant.*

> >

> > *It would appear that the call to 'do_cable_magic()' in*

> > *drivers/net/natsemi.c causes the problem to occur.*

> >

> > *It looks as though this was added in to actually *fix* such problems...*

> > *but in our case it made things worse.*

>

> *I'm the responsible party on that one. do_cable_magic() was a direct*

> *result of a significant amount of work with National's engineers to*

> *root-cause some major problems we had had.*

>

> *If I recall, the problem we experienced was when the cable was "short"*

> *(where short was < 30m, I think). What can you tell me about your cabling*

> *setup?*

>

> *Willing to test? Ping me back.*

Hi Tim, Collin,

Did you made any progress on this issue?

–

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/>