

Re: [PATCH 0/2] firewire: endianness warnings (was Re: sparse – make __CHECK_ENDIAN__ default enabled?)

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Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-03/msg00065.html>

- *From:* Jarod Wilson <jarod@xxxxxxxxxx>
 - *Date:* Sat, 1 Mar 2008 00:23:24 -0500
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On Saturday 23 February 2008 06:23:30 am Stefan Richter wrote:

On 20 Feb, Harvey Harrison wrote on LKML:

On Wed, 2008-02-20 at 23:03 +0100, Sam Ravnborg wrote:

Hi Harvey.

Can I ask you to look into the worst offenders so we can make -D__CHECK_ENDIAN__ enabled per default in the kernel.

Or maybe we should do it anyway?

Well, I've got the worst of fs and drivers/ata done so far, still weeping over the 5500 warnings in drivers. (X86_32 allyesconfig). People ignore the existing warnings anyway, why not toss a few more on the pile?

I'll look them over tonight and see how bad it would be.

I looked into drivers/firewire and drivers/ieee1394. As expected, there are quite a lot endianness related warnings in the latter because this is code from way before sparse was regularly used.

There are also a few warnings in the former, even though sparse checks were run before submission of the whole drivers/firewire stack. I will follow up with two patches:

1/2 firewire: endianness fix

2/2 firewire: endianness annotations

Whether the "fix" is really a fix remains to be seen; I don't have a big endian Linux box myself.

Doesn't hurt anything on my end, spb2 devices work, they survive bus resets

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and so on. The funky uninorth controller definitely doesn't work, but it didn't before the patch either, and the fix is being chased in another patch series.

Signed-off-by: Jarod Wilson <jwilson@xxxxxxxxxx>

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