

freebsd-arch: Re: ether_crc32_[bl]e()

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Date: 05/30/04

To: naddy@mips.inka.de (Christian Weisgerber)

Date: Sun, 30 May 2004 21:56:18 +0200

In message <c9d9u3\$06k\$1@kemoauc.mips.inka.de>, Christian Weisgerber writes:

> *NetBSD and OpenBSD have two helper functions in if_ethersubr.c*

>

> *ether_crc32_le(const u_int8_t *buf, size_t len)*

> *ether_crc32_be(const u_int8_t *buf, size_t len)*

>

> *that will calculate an ethernet CRC-32 in little endian/big endian*

> *fashion.*

>

> *These CRCs are used all over our network drivers, e.g. for setting*

> *up multicast hash filters. Functions to calculate them are duplicated*

> *all over. These could be factored out of some thirty drivers.*

> *NetBSD has done so, btw.*

>

> *The patch below adds the functions to if_ethersubr.c and, as an*

> *example, switches re(4) to make use of this.*

>

> *1. Do we want this?*

In general for stuff like this, if you save more than a handful of lines in more than a handful of drivers you can assume that we want it.

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Never attribute to malice what can adequately be explained by incompetence.

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