NAME

fwe - Ethernet emulation driver for FireWire

SYNOPSIS

To compile this driver into the kernel, place the following lines in your kernel configuration file:

device firewire
device fwe

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

if_fwe_load="YES"

DESCRIPTION

The **fwe** driver provides non-standard Ethernet emulation over FireWire (IEEE 1394).

firewire(4) and fwohci(4) must be configured in the kernel as well.

This driver exploits asynchronous stream over IEEE 1394 to carry Ethernet frames. The stream channel can be specified by the *hw.firewire.fwe.stream_ch* sysctl(8).

This driver supports polling(4) as well if it is compiled with the DEVICE_POLLING option.

SEE ALSO

arp(4), firewire(4), fwip(4), fwohci(4), netintro(4), ng_ether(4), polling(4), ifconfig(8), kldload(8), sysctl(8)

HISTORY

The **fwe** device driver first appeared in FreeBSD 5.0.

AUTHORS

The **fwe** driver and this manual page were written by Hidetoshi Shimokawa.

BUGS

This driver emulates Ethernet in a very adhoc way and it does not reserve a stream channel using an isochronous manager. Note that this driver uses a protocol which is very different from RFC 2734 (IPv4 over IEEE 1394).