

nfe driver 6.2 stable

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2007-09/msg00116.html>

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 - *Date:* Mon, 24 Sep 2007 00:57:23 +0100
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Hi I installed the following driver.

<http://www.f.csce.kyushu-u.ac.jp/~shigeaki//software/freebsd-nfe.html>

Before I had the nve driver which was unstable on this server and on a prior server in both cases causing either spontaneous reboot or just a crash when under load.

So far touchwood the nfe driver has stayed up and running at almost 3 days uptime and has had some stress.

I know the driver supports device polling which I have chosen not to use yet as I wanted to see initially if it was more stable in its default mode. But what I want to know is the following if possible please.

My ifconfig output below.

```
nfe0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 1500
options=8<VLAN_MTU>
inet x.x.x.x netmask 0xfffff00 broadcast x.x.x.x
inet x.x.x.x netmask 0xffffffff broadcast x.x.x.x
ether x
media: Ethernet autoselect (1000baseTX <full-duplex>)
status: active
```

- 1 – is there a man page for nfe anywhere?
- 2 – does it support hardware checksum I remember reading it does but from ifconfig output it appears to not be in use so if it does support it how do I enable it?
- 3 – same with TOS?
- 4 – how do I enable jumbo frames if it supports it?
- 5 – is it safe to use with zero copy sockets?
- 6 – I currently have both net.isr.direct and mpsafenet disabled is this driver safe to use on them?

Thanks

Chris

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