

2.6.5 forcedeth sending .. trash? / intel 82540EM dropping packets?

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Hi all,

before I get into this, since I am not on list, I would appreciate any response be CC'd. thanks!

I started having problems with my onboard intel gigabit controller, and decided to fire up the nforce ethernet driver in an attempt to isolate the problem. I was trying to determine if its a kernel setup, or something on the machine.. who knows.... I am trying to find out.

but, the nforce ethernet driver appears to be inop. (or the interface is hosed...)

I tried compiling it in at first, it finds the interface and I can configure it.

however I cannot use the interface...

according to ifconfig, its transmitting the packets, its just not recieving any.

now, the real fun is when I happened to look at my switch and note that the activity light is rapidly flashing.

so, I telnet into the switch to find out that its rather upset about this and has isolated that port...

when I unload the module it continues to send .. random stuff out, and the only way to stop this is to shut it down, and start the machine back up.

I try using a different port, and cable and I get the same results.

since I dont have Window\$ I cant see if its actually working or not. (at least in Window\$)

however, that leads me to another question. I have this other interface, the intel gigabit that I used for the last few months just fine until the other day I noticed something odd start to happen.

basically, what happens is anything that sends data rapidly, tends to 'vanish' for example, if I were to fire up a game browser and search for a server it would 'lose' chunks of the queries to other servers.

in one in-game browser it makes the game flat out crash, and so I started trying to figure out why this all is happening....

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what I see a ton of in the strace for the game, before it dies is the following:

```
gettimeofday({ 1081103264, 263945 }, NULL) = 0
ioctl(6, FIONREAD, [0]) = 0
read(0, 0xbfff754f, 1) = -1 EAGAIN (Resource temporarily
unavailable)
recvfrom(13, 0x93848c0, 32768, 0, 0xbfff75a0, 0xbfff759c) = -1 EAGAIN
(Resource temporarily unavailable)
```

now, I googled around about this EAGAIN (Resource temporarily unavailable) error and came to some conclusion it had to do with the networking. correct me if im wrong.

so, what im asking, am I having a problem with the card, the kernel, or both? (with regards to the intel)
whats odd about it, is that i