

## Re: Clients get disconnected / Server hangs

**Source:** <http://linux.derkeiler.com/Newsgroups/alt.os.linux.suse/2004-09/0179.html>

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Date: Wed, 01 Sep 2004 15:04:52 -0400

Dirk Wagner wrote:

[snip]

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>  
> *I already changed the NIC in the server (from Realtek to 3Com) and did  
> the same at all Win2K clients.  
> I changed the patch cables and also the switch.  
> After dooing so, the system was running fine for a longer time, but  
> finally failed also. In the meantime the behavoir is the same as  
> before...*  
>  
> *Any ideas?*  
>  
> *Thanks*  
>  
> *Dirk*

Greetings:

Although I don't have anything of the solution sort some things emerge from randomly firing neurons:

- Make sure the NIC isn't in a slot that shares an IRQ with anything
- I'm thinking it maybe isn't buggy driver code because of the change you made. But if the hardware can somehow get eliminated as a variable it would help.
- Possibly the version of Samba? Google around and see if others have been seeing the same behaviour and if it is the common denominator. I believe I have seen another post somewhere describing essentially the problem you are reporting. Check the Samba logs?
- DHCP or static IP assignment? Is a DHCP lease expiring or attempting to renew? If you're using a DHCP server how is the DNS server getting updated?
- DNS version and capabilities? Windows might be looking for SRV records if they are setup to "register automatically with DNS" in the networking

setup. If you're running an older version of Bind that doesn't support SRV records turn this off on the Windows boxen. Also, if you have WINS running on the Samba box have the Windows boxen been configured to use it?

– There can be incompatibilities with different DHCP and DNS server softwares. (I'm sort of assuming here that you're using static IP) But I point it out as it can be problematic.

Like I said: no solution here, just some random thoughts on the subject in a very general manner. If there is some sort of period related to the malfunction it would be easier to pin down. Usually a hardware intermittent becomes more frequent with a decreasing period until it finally fails. A lot of times a software flaw/bug can be identified if an exact sequence of events can reproduce the problem. Too bad you don't have a spare server box to set up in parallel to see if the problem occurs on more than one machine. This would point to a Samba flaw. Wish you luck in any event.

–Jason