

Re: unstable aironet driver?

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2004-01/1635.html>

From: Jake Khuon (*khuon_at_NEEBU.Net*)

Date: 01/21/04

To: freebsd-current@freebsd.org

Date: Wed, 21 Jan 2004 00:19:22 -0800

On Tue, 20 Jan 2004 15:07:56 +0100, Marco Wertejuk <wertejuk@mwcis.com>
casually decided to expound upon Jake Khuon <khuon@NEEBU.Net> the
following thoughts about "Re: unstable aironet driver?":

MW> I do not have a mini pci aironet but at least I can tell you
MW> those pcmcia cards do well with latest current.
MW> There was a firmware issue some time ago with a newer cisco
MW> firmware but it seems Doug fixed them at least the error
MW> messages disappeared (too small packet received or sth like that)
MW> so the problems seems to only exist on minipci cards.

I just tried upgrading the firmware and the kernel hangs so I downgraded again. I originally downgraded the firmware under 5.1R to get it to work in the first place. I've noticed a bunch of things that don't work like they should with the miniPCI version of the 350.

MW> | Jan 19 06:53:20 Mocha kernel: Jan 19 06:53:20 Mocha dhclient: send_packet:
MW> | No buffer space available
MW>
MW> This looks as if your card is not associated and has to
MW> much data in its send buffer.

The card loses association and seems to simply go out to lunch. Or maybe the driver does. I tried restarting dhclient to cycle through my media settings but it never reassociates. I also tried configuring the interface manually with the same results. I recently ported wmwave to wmairo and looking at I notice some peculiarities as well. Things will be going fine when all of a sudden, the channel will flip and the noise level will jump from near zero to 50%. Nothing short of a reboot will bring the card back to life. This phenomenon seems to occur when I'm sending packets. I'm not sure if it's high levels of traffic which trigger it or what. It seems really random. Sometimes it will happen with very little traffic havig been sent and other times I can be pushing a constant 50Kbps for a half-hour straight (tested by scp'ing a big file) without anytihng happening. I thought that this might be related to the problem for which Jeffrey Hsu just committed a an update but after just doing a cvsup and recompile of the

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kernel, I still see the problem.

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--  
/*=====[ Jake Khuon <khuon@NEEBU.Net> ]=====+  
| Packet Plumber, Network Engineers    /| / [~ [~ |) | | ----- |  
| for Effective Bandwidth Utilisation  / | / [_ [_ |) | | N E T W O R K S |  
+=====*/
```

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