

Re: sending MAC packets --- again, and again

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2005-05/0217.html>

From: Charles Swiger (cswiger_at_mac.com)

Date: 05/21/05

Date: Sat, 21 May 2005 12:36:33 -0400
To: Daniel Valencia <fetrovsky@yahoo.com>

On May 20, 2005, at 11:16 PM, Daniel Valencia wrote:

> *I know this may sound funny, but I'm still wrestling*
> *with libpcap because I send packets and I cannot read*
> *them. I tried also some example code of a toy sniffer*
> *from a tutorial to pcap, and it behaves just like my*
> *code. As my code is pretty compact, I'm posting it*
> *here.*

What you need to do is run "tcpdump -envvX" and take a careful look at the packets being sent.

In particular, watch out for packets containing something like this: "[bad tcp cksum 9f96 (->e867)!]", this generally means you have misconstrued the packet— watch out for required padding to align the start of each protocol block.

However, you really need to run this command from another machine in order to see what is really going out on the wire, running tcpdump locally means it intercepts the traffic while it is still being processed by the stack, and TXCSUM hardware or the like might change things...

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-Chuck

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