

Re: jumbo-frames on the network

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2004-01/0368.html>

From: Eli Dart (dart_at_nersc.gov)

Date: 01/29/04

To: Don Lewis <truckman@FreeBSD.org>
Date: Thu, 29 Jan 2004 08:40:01 -0800

In reply to Don Lewis <truckman@FreeBSD.org> :

> *On 28 Jan, Garrett Wollman wrote:*
> > <<*On Wed, 28 Jan 2004 20:49:02 -0500, mi+mx@aldan.algebra.com said:*
> >
> >> *Can different MTUs be mixed on the same wire*
> >
> > *No.*
> >
> *It's ugly, but I wonder if adding host routes with the -lock -mtu*
> *options might work ...*

I wouldn't even mess with it. If you have an MTU mismatch on the same layer-2 domain, you have a Broken Network. If you manage to make it work with duct tape and zip ties, you're only setting yourself up for operational pain down the road. Just put a layer-3 hop in between your standard frame and jumbo frame hosts, and you're good to go.

The other thing people often do is block all ICMP because "ICMP is bad" and then wonder why path MTU discovery breaks :P

--eli

> _____
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