

Re: IPv6 Woes...

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2007-06/msg00226.html>

- *From:* "Bruce A. Mah" <bmah@xxxxxxxxxxxxx>
 - *Date:* Tue, 26 Jun 2007 14:32:57 -0700
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If memory serves me right, Eric F Crist wrote:

On Jun 25, 2007, at 7:55 PM Jun 25, 2007, Bruce M. Simpson wrote:

Eric F Crist wrote:

My problem isn't getting out to 2001:4980:1::5, it's getting to my LAN, the 2001:4980:1:111::/64 network. My gateway, the machine from which I posted the routing and ifconfig information, is able to ping across the tunnel, and to the internet just fine. Nothing is able to get from the gateway to my LAN, however. Is it a problem with the fxp driver, or perhaps my setup with the ethernet bridging?

You appear to have a /64 network address on the inside of your v6 router. Are you using stateless address auto-configuration? You appear to have statically assigned:145 as a host address on that net.

My setup works fine if I ping the network address of my v6 router from the v6 enabled hosts in my lab.

When you ping local machines on the inside LAN from that router, do you see NDP entries being created?

Hi Eric--

First note that I'm a different Bruce than the chap who's been helping thus far. :-)

BTW, use "ndp -a" to see this.

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You shouldn't need to use bridging to achieve what you want in this scenario, in fact it makes no sense because you want to route v6 traffic over the gif, therefore ethernet bridging is not relevant here.

I'm not quite so sure about this...see below.

First, thanks for taking time to help me through this. Here's some more information regarding the topography of my network. My FBSD firewall is running with 'options BRIDGE' in the kernel, and the following two lines in /etc/sysctl.conf:

```
net.link.ether.bridge.enable=1  
net.link.ethe
```