

IPv6+Bridged+Wireles ...



[slushpupie](#) 4 posts since

Jun 15, 2006

So I recently set up Fusion 1.1.1 (72241) on 10.5.2 and one of the things I work with a lot is IPv6. When the guest (linux or vista) is in bridged mode while using wireless, it receives the router advertisements and configures an address for itself. I can ping the host, and other vmware guests, but it seems pings off network get lost.

For my testing, I have 3 OS's involved, though the same things happen with other OS's as guest or the remote host.

- hostA is a linux box on the network
- hostB is my MacBookPro
- hostC is linux running as a guest in hostB

All three have global ipv6 addresses. hostA cannot ping hostC and viceversa. hostA and hostB can ping eachother; hostB and hostC can ping eachother.

If I run tcpdump on each host, I can basically isolate whats going on:

When hostA pings hostC, hostA can see the neighbor solicitation it sends out, but nothing ever comes back. hostC see's the neighbor solicitation from hostA, and sends a neighbor advertisement, but hostA never see's it. Neither does hostB.

When hostC pings hostA, hostC can see the neighbor solicitation it sends out, but nothing ever comes back. hostA see's the neighbor solicitation from hostA, and sends a neighbor advertisement, but hostC never see's it. Neither does hostB.

As soon as I plug in a wired connection and shut off the wireless, everything works great. Can anyone else verify this behavior? I know vmware in the past has had difficulty with wireless devices (due to the nature of wireless devices) so this might be a limitation, but I was not able to find anything in the documentation saying it should be. These same sort of tests running ipv4 work fine, which makes me think the vmware kernel module has some special logic on wireless adapters for handling ipv4, and just has no consideration for ipv6. Tags: ipv6, fusion1.1.1, networking



[etung](#) 11,094 posts since


Oct 15, 2006 **1. Re: IPv6+Bridged+Wireless** Apr 16, 2008 2:05 PM

This is a known issue, IPv6 is not expected to work over a wireless bridge.



[slushpupie](#) 4 posts since

Jun 15, 2006 **2. Re: IPv6+Bridged+Wireless** Apr 16, 2008 6:39 PM

 in response to: [etung](#) At least I know whats going on then. Will this be resolved in the future?



[etung](#) 11,094 posts since

Oct 15, 2006 **3. Re: IPv6+Bridged+Wireless** Apr 16, 2008 6:47 PM

 in response to: [slushpupie](#) Will this be resolved in the future?

Sorry, I can't say. VMware policy is to not comment on unannounced products, features, or timelines.



[adrianm](#) 14 posts since

Sep 1, 2003 4. **Re: IPv6+Bridged+Wireless** May 5, 2008 11:06 AM

in response to: [etung](#) Can someone tell me

1. Is this a general restriction of the VMWARE wireless bridge implementation and will be the same across all products using IPv6 ie. Workstation, Player, Server, Fusion etc...

or is this problem specific to Fusion?

2. Where in the release notes is this documented?

3. Is there an open bug report against this?

Thanks,

Adrian



[etung](#) 11,094 posts since

Oct 15, 2006 5. **Re: IPv6+Bridged+Wireless** May 5, 2008 11:48 AM

in response to: [adrianm](#) 1. Is this a general restriction of the VMWARE wireless bridge implementation and will be the same across all products using IPv6 ie. Workstation, Player, Server, Fusion etc...

or is this problem specific to Fusion?

It's general.

2. Where in the release notes is this documented?

I don't think it is, but also wouldn't expect it to be - we can't document every single combination.

3. Is there an open bug report against this?

Yes, 26078.



[andrew101](#) 1 posts since

Nov 22, 2008 6. **Re: IPv6+Bridged+Wireless** Nov 22, 2008 8:55 PM

in response to: [etung](#)

With the ramp up in IPv6 deployment, can we get an update for this bug? Cloud computing environments running VMWare really require this to be working.

Andrew



[etung](#) 11,094 posts since

Oct 15, 2006 7. **Re: IPv6+Bridged+Wireless** Nov 22, 2008 9:25 PM


in response to: [andrew101](#) Sorry, I can't say. VMware policy is to not comment on unannounced products, features, or timelines.



[BobVeznat](#) 1 posts since

IPv6+Bridged+Wireles ...

May 21, 2009 8. **Re: IPv6+Bridged+Wireless** May 21, 2009 10:41 PM

 in response to: [etung](#) This appears to still be broken in the latest version of Fusion. Kind of annoying to have to plug into the wall to use IPv6 from a guest.