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Subject: 2.6.18-53.1.6.el5.028stab053.6PAE + ipv6 = not happy

Posted by [broquea](#) on Thu, 06 Mar 2008 20:25:44 GMT

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So I was running on 2.6.18-53.1.4.el5.028stab053.4PAE up until 2.6.18-53.1.6.el5.028stab053.6PAE had been made available. After switching over, I found that the HN and the VEs all still had IPv6 configured and running on them, however even with the default route in place, they couldn't get out. I could ping the gateway, but anything beyond was "no route to host". I rebooted back into 53.4PAE and everything worked again.

I meant to bring this up earlier after the kernel had been released but have been busy. I'm still running on 53.4PAE because IPv6 connectivity is a requirement for my system.

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Subject: Re: 2.6.18-53.1.6.el5.028stab053.6PAE + ipv6 = not happy

Posted by [koct9i](#) on Fri, 07 Mar 2008 13:45:53 GMT

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ipv4 network works?

you ping gateway from VE only, or ipv6 network in HN also didn't work?

gateway on another machine?

what network card used?

any vlan used?

please check `sysctl net.ipv6.conf.default.forwarding`

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Subject: Re: 2.6.18-53.1.6.el5.028stab053.6PAE + ipv6 = not happy

Posted by [broquea](#) on Fri, 07 Mar 2008 22:17:05 GMT

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Quote:ipv4 network works?

Yes, otherwise I couldn't have gotten into the machine, as it is remote.

Quote:you ping gateway from VE only, or ipv6 network in HN also didn't work?

I could ping the ipv6 gateway from the HN and VE.

I couldn't get beyond the ipv6 gateway when trying to reach [www.kame.net](http://www.kame.net), from either HN or VE.

Quote:gateway on another machine?

The gateway address resides on a router upstream from the machine. The network topology is: server -> Cisco L2 switch -> Foundry Netiron router.

Obviously there is no issue with the switch or routers upstream of the server, since simply changing the kernel fixes the issue.

Quote:what network card used?

Broadcom

eth0: Tigon3 [partno(BCM95704A6) rev 2100 PHY(5704)] (PCIX:133MHz:64-bit)  
10/100/1000Base-T

Quote:any vlan used?

No vlan used on the server. The only vlan in use is between the router and switch.

Quote:please check sysctl net.ipv6.conf.default.forwarding

I verified that it was set correctly, however that setting shouldn't affect routing for eth0 on the HN, only the ipv6 connectivity for the VEs, correct?