

RedHat: RE: More help needed please

## RE: More help needed please

**Source:** <http://linux.derkeiler.com/Mailing-Lists/RedHat/2004-06/0942.html>

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*jim.marnell\_at\_cca-int.com*

**Date:** 06/25/04

To: General Red Hat Linux discussion list <redhat-list@redhat.com>

Date: Fri, 25 Jun 2004 10:21:54 -0400

Bingo Jason thanks. I can now ping through the rh box to my main network.

Turning on ip\_forward I believe was the key (thanks Ed).

I never thought to test from the client after that change – I guess I had distilled the basic problem down to not being able to ping from nic to nic on the same box.

I cannot fathom why it was coded that way in the networking os. Why is it that I can now ping from 10.10.30.1 into the 10.10.30.248 eth1 interface – through the rh box – and out the 204.62.134.209 eth0 interface onto my office network but yet I cannot ping from eth1 to eth0 – seems like a contradiction to me. Any takers on why that is?? I hate loose ends.

–Jim

Jason Staudenmayer <jasons@NJAQUARIUM.ORG>

Sent by: redhat-list-bounces@redhat.com

06/25/2004 09:34 AM

Please respond to

General Red Hat Linux discussion list <redhat-list@redhat.com>

To

"General Red Hat Linux discussion list" <redhat-list@redhat.com>

cc

Subject

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I just tried that from my machine (similar setup) and that is the way it should be.

```
[root@ns2 root]# ping -I eth0 207.106.229.230
```

```
PING 207.106.229.230 (207.106.229.230) from 192.168.1.231 eth0: 56(84)
```

```
bytes
```

```
of data.
```

```
>From 192.168.1.231 icmp_seq=1 Destination Host Unreachable
```

```
>From 192.168.1.231 icmp_seq=2 Destination Host Unreachable
```

```
>From 192.168.1.231 icmp_seq=3 Destination Host Unreachable
```

Each interface is isolated from the other for security reasons. If they could talk to each other

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then there would be a problem. What I think you're trying to do is verify the forwarding. If so then use a client machine and set its route to the f/w server then ping the outside NIC.

> -----Original Message-----  
> From: jim.marnell@cca-int.com [mailto:jim.marnell@cca-int.com]  
> Sent: Friday, June 25, 2004 7:46 AM  
> To: General Red Hat Linux discussion list  
> Subject: RE: More help needed please  
>  
>  
> Very sorry that I took so long to reply – had to leave early  
> yesterday...  
> I don't know why there is no traffic on eth1 – I think that is the  
> fundamental question here. I will say that I only recently  
> activated the  
> nic to create a test network. The eth1 nic was present when I  
> installed  
> the os – I just never activated it.  
> I did remove the bad route as requested. As I said earlier I  
> added it just  
> to see if I could force eth1 to talk to eth0. I added it on the eth1  
> interface via the gui and then removed it via the gui but it  
> stayed in the  
> routing table leading me to claim that it may be a bug. The  
> only way to  
> remove it was with route del. I'm digressing – the route is  
> gone and as I  
> said earlier the firewall is empty. It's an internal machine  
> that I'm not  
> too worried about.  
>  
> [root@redfish default]# route del 0.0.0.0 gw 204.62.134.209  
> [root@redfish default]# netstat -nr  
> Kernel IP routing table  
> Destination Gateway Genmask Flags MSS  
> Window irtt  
> Iface  
> 10.10.30.0 0.0.0.0 255.255.255.0 U 0 0  
> 0  
> eth1  
> 204.62.134.0 0.0.0.0 255.255.255.0 U 0 0  
> 0  
> eth0  
> 127.0.0.0 0.0.0.0 255.0.0.0 U 0 0  
> 0  
> lo  
> 0.0.0.0 204.62.134.248 0.0.0.0 UG 0 0  
> 0  
> eth0

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```
> [root@redfish default]# iptables -L
> Chain INPUT (policy ACCEPT)
> target prot opt source destination
>
> Chain FORWARD (policy ACCEPT)
> target prot opt source destination
>
> Chain OUTPUT (policy ACCEPT)
> target prot opt source destination
> [root@redfish default]# ping -I eth1 204.62.134.209
> PING 204.62.134.209 (204.62.134.209) from 10.10.30.248 eth1:
> 56(84) bytes
> of data.
> >From 10.10.30.248 icmp_seq=1 Destination Host Unreachable
> >From 10.10.30.248 icmp_seq=2 Destination Host Unreachable
> >From 10.10.30.248 icmp_seq=3 Destination Host Unreachable
> CFrom 10.10.30.248 icmp_seq=4 Destination Host Unreachable
> >From 10.10.30.248 icmp_seq=5 Destination Host Unreachable
> >From 10.10.30.248 icmp_seq=6 Destination Host Unreachable
>
> ---- 204.62.134.209 ping statistics ----
> 7 packets transmitted, 0 received, +6 errors, 100% loss, time 6021ms
> , pipe 3
> [root@redfish default]#
>
> As you can see I still cannot ping from eth1 to eth0.
> Please let me know if you need more info and thanks again to
> everyone!!
> -Jim
>
>
>
> Jason Staudenmayer <jasons@NJAQUARIUM.ORG>
> Sent by: redhat-list-bounces@redhat.com
> 06/24/2004 03:46 PM
> Please respond to
> General Red Hat Linux discussion list <redhat-list@redhat.com>
>
>
> To
> "'General Red Hat Linux discussion list'" <redhat-list@redhat.com>
> cc
>
> Subject
> RE: More help needed please
>
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>
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>
```

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> *Why isn't there any traffic on eth1? No you don't need a*  
> *route for the NIC*  
> *installed in the system.*  
> *Remove that bad route and post your firewall settings.*  
>  
> > -----Original Message-----  
> > *From: jim.marnell@cca-int.com [mailto:jim.marnell@cca-int.com]*  
> > *Sent: Thursday, June 24, 2004 3:18 PM*  
> > *To: General Red Hat Linux discussion list*  
> > *Subject: Re: More help needed please*  
> >  
> >  
> > *Thanks to all responders. Both nics are set to come up at*  
> *boot time.*  
> > *Here's more info...*  
> > *[root@redfish root]# netstat -nr*  
> > *Kernel IP routing table*  
> > *Destination Gateway Genmask Flags MSS*  
> > *Window irtt*  
> > *Iface*  
> > *0.0.0.0 204.62.134.209 255.255.255.255 UGH 0 0*  
> > *0*  
> > *eth0*  
> > *10.10.30.0 0.0.0.0 255.255.255.0 U 0 0*  
> > *0*  
> > *eth1*  
> > *204.62.134.0 0.0.0.0 255.255.255.0 U 0 0*  
> > *0*  
> > *eth0*  
> > *127.0.0.0 0.0.0.0 255.0.0.0 U 0 0*  
> > *0*  
> > *lo*  
> > *0.0.0.0 204.62.134.248 0.0.0.0 UG 0 0*  
> > *0*  
> > *eth0*  
> > *[root@redfish root]# ifconfig eth0*  
> > *eth0 Link encap:Ethernet HWaddr 00:10:5A:11:83:C0*  
> > *inet addr:204.62.134.209 Bcast:204.62.134.255*  
> > *Mask:255.255.255.0*  
> > *UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1*  
> > *RX packets:5899 errors:0 dropped:0 overruns:0 frame:0*  
> > *TX packets:824 errors:0 dropped:0 overruns:0 carrier:0*  
> > *collisions:0 txqueuelen:100*  
> > *RX bytes:590413 (576.5 Kb) TX bytes:94622 (92.4 Kb)*  
> > *Interrupt:10 Base address:0xe400*  
> >  
> > *[root@redfish root]# ifconfig eth1*  
> > *eth1 Link encap:Ethernet HWaddr 00:04:75:81:5A:01*  
> > *inet addr:10.10.30.248 Bcast:10.10.30.255*  
> > *Mask:255.255.255.0*  
> > *UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1*

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> > *RX packets:0 errors:0 dropped:0 overruns:0 frame:0*  
> > *TX packets:48 errors:0 dropped:0 overruns:0 carrier:0*  
> > *collisions:0 txqueuelen:100*  
> > *RX bytes:0 (0.0 b) TX bytes:2880 (2.8 Kb)*  
> > *Interrupt:5 Base address:0xe800*  
> >  
> > *[root@redfish root]#*  
> > *That first routing entry should not be there and may be a*  
> > *bug. In an*  
> > *attempt to solve this problem I added a route on the eth1*  
> > *interface via*  
> > *system settings/network. It didn't help so I removed it but*  
> > *it remains in*  
> > *my routing table.*  
> > *My real default route is the last entry.*  
> > *Do I need any routing in place for one nic to talk to the*  
> > *other in rh*  
> > *land?*  
> > *-Jim*  
> >  
> >  
> >  
> > *Ed Wilts <ewilts@ewilts.org>*  
> > *Sent by: redhat-list-bounces@redhat.com*  
> > *06/24/2004 02:57 PM*  
> > *Please respond to*  
> > *General Red Hat Linux discussion list <redhat-list@redhat.com>*  
> >  
> >  
> > *To*  
> > *General Red Hat Linux discussion list <redhat-list@redhat.com>*  
> > *cc*  
> >  
> > *Subject*  
> > *Re: More help needed please*  
> >  
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> >  
> >  
> >  
> > *On Thu, Jun 24, 2004 at 02:37:39PM -0400,*  
> > *jim.marnell@cca-int.com wrote:*  
> > > *Anyone else care to take a stab at why my rh 8 box with 2*  
> > > *nics cannot*  
> > > *talk*  
> > > *to each other. I'll try anything.*  
> > > *eth0 can ping itself*  
> > > *eth1 can ping itself*  
> > > *eth0 can ping eth1*  
> > > *eth1 CANNOT ping eth0*

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```
> > >
> > > ip_forward has been set to 1
> >
> > Do you have routes to get from where you are to where you
> want to go?
> >
> > # netstat -rn
> >
> > --
> > Ed Wilts, RHCE
> > Mounds View, MN, USA
> > mailto:ewilts@ewilts.org
> > Member #1, Red Hat Community Ambassador Program
> >
> >
> > --
> > redhat-list mailing list
> > unsubscribe
> > mailto:redhat-list-request@redhat.com?subject=unsubscribe
> > https://www.redhat.com/mailman/listinfo/redhat-list
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> > mailto:redhat-list-request@redhat.com?subject=unsubscribe
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> > unsubscribe mailto:redhat-list-request@redhat.com?subject=unsubscribe
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https://www.redhat.com/mailman/listinfo/redhat-list
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redhat-list mailing list
unsubscribe mailto:redhat-list-request@redhat.com?subject=unsubscribe
https://www.redhat.com/mailman/listinfo/redhat-list
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