

Re: Ping and LAN Problem

Source: <http://linux.derkeiler.com/Mailing-Lists/Ubuntu/2007-08/msg00891.html>

- *From:* Marius Gedminas <marius@xxxxxx>
 - *Date:* Mon, 13 Aug 2007 18:43:49 +0300
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On Mon, Aug 13, 2007 at 08:59:42PM +0530, das ¼ wrote:

I have two Ethernet cards, named by OS as eth0 and eth2. My DSL router modem is connected on eth2. It is working fine (that is how I am sending this mail :)). But, my laptop (on Ubuntu 7.04 too) connected to this machine on eth0 of the desktop. The eth0 is fixed IP: 192.168.0.1 and the laptop is 192.168.0.2. Earlier, I have always connected like this, with ipmasq on in the Desktop. But, for quite some time, I did not use the laptop. Now, when I am going to connect, the Desktop is giving a queer message:

```
<<<
dd@mahammad:~$ ping 192.168.0.2
PING 192.168.0.2 (192.168.0.2) 56(84) bytes of data.
ping: sendmsg: Operation not permitted
ping: sendmsg: Operation not permitted
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```

You get this message when your firewall blocks an outgoing packet.

From the laptop too, the ping is not working. It is getting stuck without any output till I press 'Ctrl-c', though the self-ping with 'ping 192.168.0.2' from the laptop is working fine.

Why this is happening? Earlier I have done all my works through this LAN. And I know so little of this networking things.

The symptoms are consistent with the theory that you have a firewall on your desktop that doesn't allow it to talk to your laptop (and talking includes replying to the laptop's pings).

ipmasq sets up the iptables firewall for you automatically. You could try rerunning it to see whether that fixes things.

Re: Ping and LAN Problem

I am quoting the output of the 'ifconfig -a' on the desktop:

```
<<<<
dd@mahammad:~$ ifconfig -a
eth0 Link encap:Ethernet HWaddr 00:A1:B0:09:0C:8F
inet addr:192.168.0.1 Bcast:192.168.1.255 Mask:255.255.255.0
```

The broadcast address is wrong, it should be 192.168.0.255. Strange, usually it is determined automatically and correctly. Have you overridden it by hand? How does your /etc/network/interfaces look like?

An incorrect broadcast address doesn't affect regular connections; you" need to fix your firewall in any case.

```
inet6 addr: fe80::2a1:b0ff:fe09:c8f/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
```

...

```
eth2 Link encap:Ethernet HWaddr 00:E0:7D:89:F6:2F
inet addr:192.168.1.40 Bcast:192.168.1.255 Mask:255.255.255.0
inet6 addr: fe80::2e0:7dff:fe89:f62f/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
```

...

Marius Gedminas

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A Law of Computer Programming:
Make it possible for programmers to write in English
and you will find that programmers cannot write in English.

Attachment: signature.asc

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—

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