

routing table anomalies

Source: <http://linux.derkeiler.com/Mailing-Lists/RedHat/2005-03/0587.html>

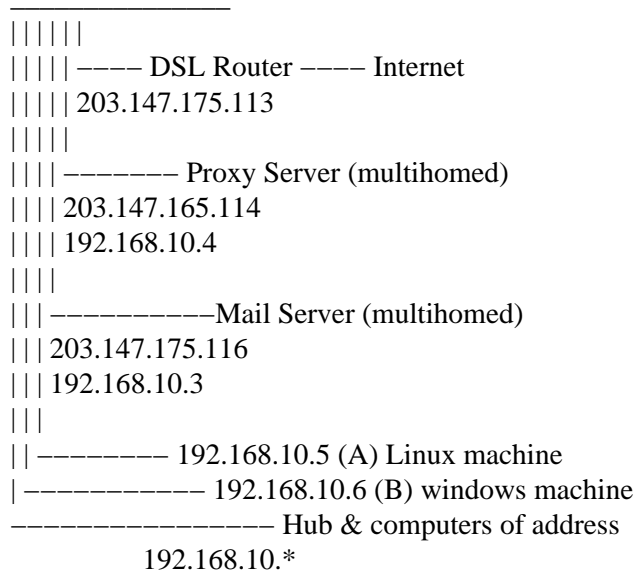
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Date: Wed, 30 Mar 2005 00:05:45 -0800 (PST)
To: redhat <redhat-list@redhat.com>

Now, here is a real problem.
We have 6 IP addresses. 203.147.165.112 to 119 with netmask 255.255.255.248
We have used three. One for the mail server and one for the DSL router and one for proxy server.

Switch



My Linux Machine shown as (A) in the diagram cannot connect to the internet. In fact, it does not even ping to DSL Router 203.147.175.113
On another windows machine (192.168.10.6) it is happily accessing Internet thru proxy server.

Here is my routing table on Linux Machine.

```

Kernel IP routing table
Destination Gateway Genmask Flags MSS S
Window irtt Iface
203.147.175.112 0.0.0.0 255.255.255.248 U 0

```

RedHat: routing table anomalies

```
0 0 eth0
192.168.10.0 0.0.0.0 255.255.255.0 U 0
0 0 eth0
169.254.0.0 0.0.0.0 255.255.0.0 U 0
0 0 eth0
127.0.0.0 0.0.0.0 255.0.0.0 U 0
0 0 lo
0.0.0.0 203.147.175.113 0.0.0.0 UG 0
0 0 eth0
```

What is wrong with this table, and why can I not ping 203.147.175.113.

I have done "echo 1 > /proc/sys/net/ipv4/ip_forward

I have also set proxy as 192.168.10.4.

By the way, I compared this table with mail server (192.168.10.3) routing table. And it resembles it completely. From other mail server I can ping DSL router (113). But from Linux Machine I cannot do so.

Any suggestions?

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