

Re: Help: Mandriva drops DHCP IP address nor can't ping to local host

Source: <http://linux.derkeiler.com/Newsgroups/comp.os.linux.networking/2005-07/0476.html>

From: Jack Masters (jackm.abc_at_starplace.com)

Date: 07/17/05

Date: Sun, 17 Jul 2005 22:27:42 +0200

Michael Badt wrote:

- > *Hi,*
- > *My dual boot (Mandriva LE 2005 LE – fully updated/Win2000) at work worked*
- > *fine (both OS) till this weekend.*
- > *The laptop is connected to a physical LAN with a DHCP server.*
- > *This week, I couldn't browse in Linux, although I was able to download*
- > *emails from the local exchange server (but not my other, "external"*
- > *account). Trying to analyze the problem (details below) I noticed that,*
- > *among others:*
- > *a. The laptop couldn't ping to 127.0.0.1*

From your logs it looks like lo is set up for DHCP (and using a V6 address) ??? If you are using IPV4, it should be hard configured to 127.0.0.1 (don't personally use MDK, but that is supposed to be somewhere in the network startup scripts)

- > *b. The system log showed that eth0 has been allocated an IP address, yet,*
- > *less than a minute afterwards dhclient notified that there weren't free*
- > *leases (see below). Manually initiating dhclient resulted the same.*

Probably dhclient whinging about lo, eth0 seems OK.

First step: can you ping the default gateway (10.4.253.253) ?

Next step: does DNS resolution and ping to outside addresses work? What does 'ping www.example.com' tell you?

- >
- > *Trying to compare, I switched to Win 2000 only to find that I COULD browse*
- > *using MS Explorer (Yak) but could NOT browse using (Win) Firefox. Weird!*

Most likely scenario: network admin has blocked outbound traffic on port 80, and installed a login script on the windoze domain server that sets up IE to use a proxy. Check the proxy server configuration in IE, and if it has a proxy configured copy that setting into Firefox.

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> I've checked the Win networking parameters and found these were identical to
> those as Linux. The Win parameters were:
> IP 10.4.4.3
> Net Mask 255.255.0.0
> GW 10.4.253.253
> DNS Suffix rf.local
>
> Needless to mention that my Sys Administrator isn't concerned neither about
> Linux nor Firefox...
>
> Please advise.
>
> TIA
> Michael Badt
>
>
> -----following are the relevant Linux commands and responses-----
> Commands ran as root in updated Mandriva 2005 LE
> -----
> [root@Atlantis miki]# ifconfig
> eth0 Link encap:Ethernet HWaddr 00:02:A5:BA:EF:CC
> inet addr:10.4.4.13 Bcast:10.4.255.255 Mask:255.255.0.0
> inet6 addr: fe80::202:a5ff:feba:efcc/64 Scope:Link
> UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
> RX packets:289 errors:0 dropped:0 overruns:0 frame:0
> TX packets:43 errors:0 dropped:0 overruns:0 carrier:0
> collisions:0 txqueuelen:1000
> RX bytes:28768 (28.0 Kb) TX bytes:7662 (7.4 Kb)
>
> lo Link encap:Local Loopback
> inet6 addr: ::1/128 Scope:Host
> UP LOOPBACK RUNNING MTU:16436 Metric:1
> RX packets:25 errors:0 dropped:0 overruns:0 frame:0
> TX packets:25 errors:0 dropped:0 overruns:0 carrier:0
> collisions:0 txqueuelen:0
> RX bytes:4171 (4.0 Kb) TX bytes:4171 (4.0 Kb)
>
> sit0 Link encap:IPv6-in-IPv4
> inet6 addr: ::127.0.0.1/96 Scope:Unknown
> UP RUNNING NOARP MTU:1480 Metric:1
> RX packets:0 errors:0 dropped:0 overruns:0 frame:0
> TX packets:0 errors:10 dropped:0 overruns:0 carrier:0
> collisions:0 txqueuelen:0
> RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
> -----
> [root@Atlantis miki]# ping 127.0.0.1
> PING 127.0.0.1 (127.0.0.1) 56(84) bytes of data.
>
> --- 127.0.0.1 ping statistics ---
> 87 packets transmitted, 0 received, 100% packet loss, time 85986ms
>
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> [root@Atlantis miki]# ping 10.4.4.13
> PING 10.4.4.13 (10.4.4.13) 56(84) bytes of data.
> 64 bytes from 10.4.4.13: icmp_seq=1 ttl=64 time=0.122 ms
> 64 bytes from 10.4.4.13: icmp_seq=2 ttl=64 time=0.086 ms
> 64 bytes from 10.4.4.13: icmp_seq=3 ttl=64 time=0.074 ms
>
> --- 10.4.4.13 ping statistics ---
> 3 packets transmitted, 3 received, 0% packet loss, time 1999ms
> rtt min/avg/max/mdev = 0.074/0.094/0.122/0.020 ms
>
> -----
>
> route
> Kernel IP routing table
> Destination Gateway Genmask Flags Metric Ref Use
> Iface
> 10.4.0.0 * 255.255.0.0 U 0 0 0 eth0
> default 10.4.253.253 0.0.0.0 UG 0 0 0 eth0
> -----
> cat /etc/resolv.conf
> search rf.local
> nameserver 10.2.34.1
> nameserver 10.2.34.2
> -----
> cat /etc/hosts
> 127.0.0.1 Atlantis localhost
> -----
> relevant part of /var/log/syslog
> Jul 17 13:54:01 Atlantis dhclient: DHCPACK from 194.90.39.108
> Jul 17 13:54:01 Atlantis dhclient: bound to 10.4.4.13 -- renewal in 297597
> seconds.
> Jul 17 13:54:05 Atlantis dhclient: DHCPDISCOVER on lo to 255.255.255.255
> port 67 interval 15
> Jul 17 13:54:07 Atlantis dhclient: DHCPDISCOVER on sit0 to 255.255.255.255
> port 67 interval 11
> Jul 17 13:54:18 Atlantis dhclient: DHCPDISCOVER on sit0 to 255.255.255.255
> port 67 interval 7
> Jul 17 13:54:20 Atlantis dhclient: DHCPDISCOVER on lo to 255.255.255.255
> port 67 interval 9
> Jul 17 13:54:25 Atlantis dhclient: DHCPDISCOVER on sit0 to 255.255.255.255
> port 67 interval 7
> Jul 17 13:54:29 Atlantis dhclient: DHCPDISCOVER on lo to 255.255.255.255
> port 67 interval 21
> Jul 17 13:54:32 Atlantis dhclient: DHCPDISCOVER on sit0 to 255.255.255.255
> port 67 interval 12
> Jul 17 13:54:43 Atlantis ntpd[7123]: synchronized to LOCAL(0), stratum=10
> Jul 17 13:54:43 Atlantis ntpd[7123]: kernel time sync disabled 0041
> Jul 17 13:54:44 Atlantis dhclient: DHCPDISCOVER on sit0 to 255.255.255.255
> port 67 interval 10
> Jul 17 13:54:50 Atlantis dhclient: DHCPDISCOVER on lo to 255.255.255.255
> port 67 interval 5
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- > *Jul 17 13:54:54 Atlantis dhclient: No DHCPOFFERS received.*
- > *Jul 17 13:54:54 Atlantis dhclient: No working leases in persistent database*
- > *- sleeping.*
- >
- >