

Re: [SLE] eth0 now eth1 WTF? Network woes....The saga....[Long]

Source: <http://linux.derkeiler.com/Mailing-Lists/SuSE/2006-01/msg02333.html>

- *From:* Michael W Cocke <cocke@xxxxxxxxxxxxxxxx>
 - *Date:* Mon, 23 Jan 2006 06:19:44 -0500
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Welcome to the ranks of the damned. SuSE changed the way that eth devices are assigned interface names in version 9.3 and it has since turned into a religious issue. I maintain that it's the stupidest move since 640K, but whenever I say so I'm maligned.

There are two solutions to the problem. Here's the one that I use—
http://www.catherders.com/tikiwiki-1.9.1/tiki-read_article.php?articleId=36
If you don't use shorewall, put it in boot.localnet

google will help you find the other method, I don't have a link handy.

Mike—

On Mon, 23 Jan 2006 00:06:28 -0600, you wrote:

>Mates,
>
> I have built a new box for the house, and it is testing my understanding
>of Linux. It is also testing logic. I know I'm aging, but I have ruled out
>Alzheimer's. Here is the scoop.
>
> When I first installed SuSE 10, the network would come up and it used
>eth0:
>
> Simply /etc/sysconfig/network/ifcfg-eth-id-00:4c:69:6e:75:79 would
>bring up the Linksys card as eth0. This is how it worked.
>
> Then on a subsequent reboot the network doesn't come up. I mean loopback
>is fine, but the NIC fails to load and the error is "unable to load
>mandatory services.." Yes, I understand the mandatory devices loading and
>/etc/sysconfig/network/config.
>
> On reboot, the network fails. dmesg says it is now trying to load eth1?
>Ok, cp ifcfg-eth-id-00:4c:69:6e:75:79 ifcfg-eth1 rcnetwork restart —
>presto! it comes up. So then I leave both ifcfg-eth-id-00:4c:69:6e:75:79 and

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>ifcfg-eth1 in /etc/sysconfig/network. Some subsequent reboots work some
>fail.
>
> Latest reboot, network fails, /var/log/boot.msg says it is now looking
>for:
>
>doneWaiting for mandatory devices: eth-id-00:4c:69:6e:75:79
>19 Initializing random number generatordone
><notice>startproc: execve (/sbin/resmgrd) [ /sbin/resmgrd ], [
>CONSOLE=/dev/console ROOTFS_FSTYPE=reiserfs TERM=linux SHELL=/bin/sh
>ROOTFS_FSCCK=0 LC_ALL=POSIX INIT_VERSION=sysvinit-2.85 REDIRECT=/dev/tty1
>COLUMNS=160 PATH=/sbin:/usr/sbin:/bin:/usr/bin:/lib/klibc/bin vga=0x31a
>RUNLEVEL=3 PWD=/ SPLASHCFG= PREVLEVEL=N LINES=64 HOME=/ SHLVL=2 splash=0
>SPLASH=no ROOTFS_BLKDEV=/dev/hda2 _=/sbin/startproc DAEMON=/sbin/resmgrd ]
>Starting resource managerdone
>18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 0
> eth-id-00:4c:69:6e:75:79 No interface found
>failedSetting up service network . . . . .
>. .failed
>
>I only have 1 NIC? What is going on?
>
>OK, next go round it complains that it is now looking for another hardware
>address for eth1 - no changes to the system... It is looking for the NIC at
>00:04:5a:87:c8:43. WTF? OK, easy enough: cp eth-id-00:4c:69:6e:75:79
>eth-id-00:04:5a:87:c8:43; rm eth-id-00:4c:69:6e:75:79. rcnetwork restart --
>it works! Reboot. I understand that the pci bus and the order that devices
>are activated and their addresses are dynamic. But where do I stop the
>randomness??
>
>doneWaiting for mandatory devices: eth-id-00:04:5a:87:c8:43
>19 17
> eth1 device: Linksys NC100 Network Everywhere Fast Ethernet 10/100
>(rev 11)
> eth1 configuration: eth-id-00:04:5a:87:c8:43
> eth1 IP address: 192.168.6.16/24
>doneSetting up service network . . . . .
>.done
>
>OK, great -- for now.
>
>Obviously, I can't have a server that when it goes down, it comes up and the
>network (for whatever reason) is "guessing" at the hw address for the NIC.
>What in the heck is going on? So the questions:
>
>(1) why is my system now wanting to load the NIC as eth1 instead of eth0?
>(2) how in the heck is the hardware address changing? (I set the kernel
>parameters noapic and nolapic in grub to try and cure it -- no joy)
>
>I have read all the discussion on eth0, eth1 -- I know it doesn't matter
>what binding the system makes, but I just want to find a way to have my NIC
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>come up each time in case I'm 1000 miles away when the power exhausts the
>UPC.

>

>Do I go to a straight ifcfg-eth0 and ifcfg-eth1 setup in
>/etc/network/sysconfig? Do I put both eth-id-00:4c:69:6e:75:79 and
>eth-id-00:04:5a:87:c8:43 in there (seems like a lame Band-Aid approach)

>

>What is the best way to solve this conundrum???

>

>--

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If you're not confused, you're not trying hard enough.

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Please note - Due to the intense volume of spam, we have installed
site-wide spam filters at catherders.com. If email from you bounces,
try non-HTML, non-encoded, non-attachments,

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Check the headers for your unsubscription address
For additional commands send e-mail to suse-linux-e-help@xxxxxxxxx
Also check the archives at <http://lists.suse.com>
Please read the FAQs: suse-linux-e-faq@xxxxxxxxx

• **References:**

- ◆ [\[SLE\] eth0 now eth1 WTF? Network woes....The saga....\[Long\]](#)
◆ From: david rankin

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