
Subject: crash + dmesg shows: unregister_netdevice: waiting for lo to become free
Posted by [rickb](#) on Sat, 15 Sep 2007 19:05:18 GMT

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Hi, I had a server crash badly on me, the dmesg was totally full of exactly this:

unregister_netdevice: waiting for lo to become free. Usage count = 3

I found another post on the forum from last year about this but it doesn't sound like my problem. I had to physically reboot this server, and the load spiked from 4 to 1000 within a few minutes of hitting the problem.

HW: 2x quad core xeon 5345
32GB mem
2.6.18 + patch-ovz028stab039.1-combined
32bit kernel

I am going to set up netconsole in case there is more info the next time it crashes. Can anyone tell me if this error message means anything specific to the crash?

crash/errors in dmesg started at 10:10 below:

	runq-sz	plist-sz	ldavg-1	ldavg-5	ldavg-15
09:30:01 AM					
09:40:01 AM	10	2738	3.47	3.65	3.72
09:50:01 AM	29	2707	3.94	4.20	4.03
10:00:01 AM	19	2818	4.04	3.92	3.95
10:10:01 AM	6	2711	163.93	81.95	35.53
10:20:01 AM	14	3055	428.87	319.18	175.23
10:30:01 AM	37	3284	701.79	590.49	380.14
10:40:01 AM	6	3556	947.43	850.56	612.12
10:50:01 AM	9	3769	973.66	504.74	844.07
11:00:01 AM	11	3991	109.53	765.49	138.86

	CPU	%user	%nice	%system	%iowait	%idle
09:30:01 AM						
09:40:01 AM	all	7.80	3.10	22.83	2.00	64.28
09:50:01 AM	all	8.76	3.08	22.87	1.60	63.69
10:00:01 AM	all	8.33	3.15	23.10	1.78	63.65
10:10:01 AM	all	8.38	3.06	23.29	4.06	61.21
10:20:01 AM	all	7.99	1.70	10.82	4.19	75.30
10:30:01 AM	all	6.00	0.93	2.23	2.17	88.67
10:40:01 AM	all	5.62	1.01	2.13	1.88	89.36
10:50:01 AM	all	5.96	1.43	2.13	3.40	87.08
11:00:01 AM	all	6.02	1.12	1.90	2.11	88.85

Thanks!
Rick

Subject: Re: crash + dmesg shows: unregister_netdevice: waiting for lo to become free

Posted by [vaverin](#) on Mon, 17 Sep 2007 07:05:29 GMT

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Hello Rick,

thank you for your bugreport.

We have noticed this issue too. The following patch should resolve it:

<http://git.kernel.org/?p=linux%2Fkernel%2Fgit%2Ftorvalds%2F>

[inux-2.6.git;a=commitdiff_plain;h=aa6e4a96e7589948fe770744f7_bb4f0f743dddaa](http://git.kernel.org/?p=linux%2Fkernel%2Fgit%2Ftorvalds%2F)

thank you,

Vasily Averin

Subject: Re: crash + dmesg shows: unregister_netdevice: waiting for lo to become free

Posted by [rickb](#) on Wed, 19 Sep 2007 06:22:35 GMT

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Thank you Vasily, I will add this patch to my kernel. The crash has only happened two times in several months but we will see what happens

Rick

Subject: Re: crash + dmesg shows: unregister_netdevice: waiting for lo to become free

Posted by [TheWiseOne](#) on Thu, 27 Mar 2008 00:11:15 GMT

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Was this patch ever applied to the OpenVZ source? Is this the same bug as described in http://bugzilla.openvz.org/show_bug.cgi?id=846? It looks like it has the same error message and behavior.

Subject: Re: crash + dmesg shows: unregister_netdevice: waiting for lo to become free

Posted by [vaverin](#) on Thu, 27 Mar 2008 04:57:37 GMT

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Matt,

this messages points to missed decrement of the reference counter on netdevice. in old case it was caused by accessing to /proc/net/anycast6 file and was fixed long time ago. New issue have the same behaviour but obviously have some another reasons.

btw. you can look at the kernel sources via <http://git.openvz.org>
It lacks last changes, but I believe it will be fixed soon.

Thank you,
Vasily Averin

Subject: Re: crash + dmesg shows: unregister_netdevice: waiting for lo to become free

Posted by [den](#) on Sun, 04 May 2008 07:47:15 GMT

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Matt,

your bug is definitely different. The above mentioned patch is applied to 023stab043 kernel.

Though, there is another relevant patch, namely

commit
applied to 023stab054.

Regards,
Den
