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Subject: venet0: hw csum failure.

Posted by [Dariush Pietrzak](#) on Mon, 19 Nov 2007 13:55:33 GMT

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Hi,

I get something like this:

venet0: hw csum failure.

Call Trace:

```
<IRQ> [
```

the machine seems to be running perfectly fine, though it is rather worrying

venet0: hw csum failure.

Call Trace:

```
<IRQ> [
```

```
[<ffffff8020bdce>] net_rx_action+0xa4/0x1b1
[<ffffff8021029f>] __do_softirq+0x98/0x138
[<ffffff8025bf24>] call_softirq+0x1c/0x28
<EOI> [<ffffff80265c3f>] do_softirq+0x2c/0x7d
[<ffffff8022a054>] local_bh_enable+0x88/0x9a
[<ffffff8022e016>] dev_queue_xmit+0x23b/0x25c
[<ffffff8022feb8>] ip_output+0x278/0x2a9
[<ffffff80232415>] ip_queue_xmit+0x403/0x467
[<ffffff8022fea4>] ip_output+0x264/0x2a9
[<ffffff80299716>] ub_sock_tcp_chargesend+0x3d/0x157
[<ffffff802204a5>] tcp_transmit_skb+0x72b/0x763
[<ffffff80248714>] tso_fragment+0x1b1/0x20f
[<ffffff803a8d1a>] tcp_push_one+0xed/0x11b
[<ffffff80224d82>] tcp_sendmsg+0x8d2/0xb8b
[<ffffff8025248d>] sock_sendmsg+0xd4/0xec
[<ffffff8022ea2d>] sock_recvmsg+0xde/0xf6
[<ffffff802921f6>] autoremove_wake_function+0x0/0x2e
[<ffffff8020c3bb>] do_sync_read+0xc7/0x104
[<ffffff8037928a>] sys_sendto+0x11c/0x14f
[<ffffff802921f6>] autoremove_wake_function+0x0/0x2e
[<ffffff8025da37>] __sched_text_start+0x167/0xdf7
[<ffffff8025ad4e>] system_call+0x7e/0x83
```

--

Key fingerprint = 40D0 9FFB 9939 7320 8294 05E0 BCC7 02C4 75CC 50D9  
Total Existence Failure

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Subject: Re: venet0: hw csum failure.  
Posted by [Thorsten Schifferdeck\[1\]](#) on Mon, 19 Nov 2007 17:26:01 GMT  
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Hi Darius,

what OpenVZ kernel is used a pre- or self-built and which version ?

Thorsten

Am Mo, 19.11.2007, 13:55, schrieb Dariush Pietrzak:

```
> Hi,
> I get something like this:
>
> venet0: hw csum failure.
>
> Call Trace:
> <IRQ> [<ffffff8024aba4>] __skb_checksum_complete+0x4a/0x62
> [<ffffff88221ce0>] :ip_contrack:tcp_error+0x18a/0x26b
> [<ffffff8021980b>] tcp_rcv_established+0x114/0x9e6
```

```

> [<ffffff88221060>] :ip_contrack:ip_contrack_in+0xae/0x4f9
> [<ffffff80231f8f>] nf_iterate+0x41/0x7d
> [<ffffff8039b93f>] ip_rcv_finish+0x0/0x2ca
> [<ffffff80254346>] nf_hook_slow+0x78/0xe8
> [<ffffff8039b93f>] ip_rcv_finish+0x0/0x2ca
> [<ffffff80233395>] ip_rcv+0x286/0x58a
> [<ffffff8021e879>] netif_receive_skb+0x370/0x41d
> [<ffffff8022eb8a>] process_backlog+0x84/0x101
> [<ffffff8020bdce>] net_rx_action+0xa4/0x1b1
> [<ffffff8021029f>] __do_softirq+0x98/0x138
> [<ffffff8025bf24>] call_softirq+0x1c/0x28
> [<ffffff80265c3f>] do_softirq+0x2c/0x7d
> [<ffffff80265dd4>] do_IRQ+0x144/0x14d
> [<ffffff80254a82>] mwait_idle+0x0/0x4a
> [<ffffff8025b249>] ret_from_intr+0x0/0xa
> <EOI> [<ffffff80254ab8>] mwait_idle+0x36/0x4a
> [<ffffff80246ad1>] cpu_idle+0x60/0x7f
> [<ffffff8052d623>] start_secondary+0x445/0x454
>
> the machine seems to be running perfectly fine, though it is rather
> worrying
>
> venet0: hw csum failure.
>
> Call Trace:
> <IRQ> [<ffffff8024aba4>] __skb_checksum_complete+0x4a/0x62
> [<ffffff88221ce0>] :ip_contrack:tcp_error+0x18a/0x26b
> [<ffffff80279957>] __wake_up_common+0x3e/0x68
> [<ffffff88221060>] :ip_contrack:ip_contrack_in+0xae/0x4f9
> [<ffffff80231f8f>] nf_iterate+0x41/0x7d
> [<ffffff8039b93f>] ip_rcv_finish+0x0/0x2ca
> [<ffffff80254346>] nf_hook_slow+0x78/0xe8
> [<ffffff8039b93f>] ip_rcv_finish+0x0/0x2ca
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> [<ffffff8022feb8>] ip_output+0x278/0x2a9
> [<ffffff80232415>] ip_queue_xmit+0x403/0x467
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> [<ffffff80248714>] tso_fragment+0x1b1/0x20f

```

> [<ffffff803a8d1a>] tcp\_push\_one+0xed/0x11b  
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> [<ffffff8025da37>] \_\_sched\_text\_start+0x167/0xdf7  
> [<ffffff8025ad4e>] system\_call+0x7e/0x83

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Subject: Re: venet0: hw csum failure.

Posted by [Dariush Pietrzak](#) on Mon, 19 Nov 2007 18:10:15 GMT

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On Mon, 19 Nov 2007, Thorsten Schifferdecker wrote:

> Hi Darius,

>

> what OpenVZ kernel is used a pre- or self-built and which version ?

2.6.18+ovz028stab047.1-combined+debian fixes for 2.6.18

--

Key fingerprint = 40D0 9FFB 9939 7320 8294 05E0 BCC7 02C4 75CC 50D9

Total Existence Failure

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Subject: Re: venet0: hw csum failure.

Posted by [gblond](#) on Tue, 20 Nov 2007 08:30:40 GMT

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On 19 November 2007 21:10:15 Dariush Pietrzak wrote:

> On Mon, 19 Nov 2007, Thorsten Schifferdecker wrote:

> > Hi Darius,

> >

> > what OpenVZ kernel is used a pre- or self-built and which version ?

>

> 2.6.18+ovz028stab047.1-combined+debian fixes for 2.6.18

1. Can you send me these debian patches?

2. Original 2.6.18-ovz028stab047.1 kernel also has this issue?

--

Thank,

Vitaliy Gusev

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Subject: Re: venet0: hw csum failure.

Posted by [gblond](#) on Tue, 20 Nov 2007 10:02:15 GMT

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On 19 November 2007 21:10:15 Dariush Pietrzak wrote:

> On Mon, 19 Nov 2007, Thorsten Schifferdecker wrote:

> > Hi Darius,

> >

> > what OpenVZ kernel is used a pre- or self-built and which version ?

>

> 2.6.18+ovz028stab047.1-combined+debian fixes for 2.6.18

Was hw-checksumming enabled on venet interface? (output of "ethtool -k venet0")

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Thank,  
Vitaliy Gusev

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