
Subject: kernel oops plz help

Posted by [sara3](#) on Sun, 10 Feb 2008 16:08:20 GMT

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hello

i'm lately getting many kernel oops like these

BUG: unable to handle kernel NULL pointer dereference at virtual address 00000003

printing eip:

c0143f31

*pde = 00000000

Oops: 0000 [#1]

SMP

Modules linked in: simfs vzethdev vzrst vzcpt vzdquota af_packet parport_pc lp parport autofs4
sunrpc vznetdev vzmon vzdev ip_nat_ftp xt_state xt_length ipt_ttl xt_tcpmss ipt_TCPMSS
xt_multiport xt_limit ipt_LOG ipt_TOS ipt_tos ipt_REJECT xt_tcpudp iptable_filter iptable_mangle
iptable_nat ip_nat ip_conntrack ip_tables x_tables i2c_piix4 i2c_core e100 e1000 sis900 mii

CPU: 1, VCPU: 0.1

EIP: 0060:[<c0143f31>] Not tainted VLI

EFLAGS: 00010286 (2.6.18-ovz028stab023.1-smp #1)

EIP is at ub_page_uncharge+0x31/0x90

eax: ffffffff ebx: c120b974 ecx: 00000000 edx: 00000001

esi: ded9ac21 edi: c120b974 ebp: c05567b4 esp: f7eadd24

ds: 007b es: 007b ss: 0068

Process kswapd0 (pid: 111, veid: 0, ti=f7ead000 task=f7e887e0 task.ti=f7ead000)

Stack: 00000246 c120b974 c120b974 c0556794 00000000 c015f305 c120b974 00000000

e418fa60 c11e1020 c0556740 00000006 f7eadd74 f7eade6c f7eadf30 c015fd4c

f7eade4 f7eadd74 c0162b2a f7eadd74 0000000e 00000001 c107a778 c135c754

Call Trace:

[<c015f305>] free_hot_cold_page+0xf5/0x1a0

[<c015fd4c>] __pagevec_free+0x1c/0x30

[<c0162b2a>] __pagevec_release_nonlru+0x6a/0x90

[<c0164024>] shrink_page_list+0x264/0x410

[<c0164386>] shrink_inactive_list+0xe6/0x2e0

[<c0164b94>] shrink_zone+0xc4/0x100

[<c016511f>] balance_pgdat+0x1ff/0x360

[<c016534a>] kswapd+0xca/0x130

[<c013d770>] autoremove_wake_function+0x0/0x60

[<c013d770>] autoremove_wake_function+0x0/0x60

[<c0165280>] kswapd+0x0/0x130

[<c013d246>] kthread+0xc6/0x110

[<c013d180>] kthread+0x0/0x110

[<c0101301>] kernel_thread_helper+0x5/0x14

Code: 1c 89 7c 24 10 8b 7c 24 18 89 5c 24 08 89 74 24 0c 8b 77 20 85 f6 74 4f 89 e2 8b 86 40
05 00 00 81 e2 00 f0 ff ff 8b 52 10 f7 d0 <8b> 14 90 b8 01 00 00 00 d3 e0 29 42 20 81 3e 75 62
75 62 75 37

EIP: [<c0143f31>] ub_page_uncharge+0x31/0x90 SS:ESP 0068:f7eadd24

and

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: Oops: 0000 [#1]

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: SMP

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: CPU: 3, VCPU: 0.2

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: EIP is at 0x1fff

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: eax: 0000005b ebx: f63e8200 ecx: 00000000 edx: 00000000

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: esi: 00000001 edi: d2c95ea8 ebp: 00000000 esp: d2c95e6c

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: ds: 007b es: 007b ss: 0068

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: Process xx (pid: 4449, veid: 0, ti=d2c95000 task=f2c1f340 task.ti=d2c95000)

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: Stack: c01ad80e 00000000 00000000 f2c1f340 ffffffff 00000001 d2c95ea8
d2c95f48

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: f63e8200 c01aeeb5 f63e8200 d2c95ea8 d2c95f48 d2c95ec8 00000000
d2c95f48

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: d2c95ec8 00000030 00000000 c0557efc c015a3c3 f66de17c 0000006b
00000000

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: Call Trace:

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: Code: Bad EIP value.

Message from syslogd@ls1614 at Sun Feb 10 16:56:35 2008 ...
ls1614 kernel: EIP: [<00001fff>] 0x1fff SS:ESP 0068:d2c95e6c

please advise

Subject: Re: kernel oops plz help
Posted by [sara3](#) on Sun, 10 Feb 2008 16:18:31 GMT
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my kernel version is

Linux xxx.xxxxx.net 2.6.18-ovz028stab023.1-smp #1 SMP Tue Mar 20 17:39:04 MSK 2007 i686
i686 i386 GNU/Linux

Subject: Re: kernel oops plz help
Posted by [maratrus](#) on Mon, 11 Feb 2008 11:58:20 GMT
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Hi,

at first look at this page
<http://forum.openvz.org/index.php?t=msg&goto=11313&>

Subject: Re: kernel oops plz help
Posted by [sara3](#) on Mon, 11 Feb 2008 14:28:42 GMT
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Hi
memtester was done by the data center and they said it was ok and my ram are good

im not sure of the cause of the kernel oops however the server didnt have its kernel to panic
before

Subject: Re: kernel oops plz help
Posted by [maratrus](#) on Mon, 11 Feb 2008 17:23:49 GMT
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Hi,

Can you please test your hardware with not only memtester also with
memtest86+. It may be important.

Subject: Re: kernel oops plz help
Posted by [sara3](#) on Mon, 11 Feb 2008 18:28:10 GMT
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hmm
it can cause almost one full day of downtime
please let it be a last resort
do errors i provide show anything or predict anything ?

Subject: Re: kernel oops plz help
Posted by [xemul](#) on Fri, 15 Feb 2008 09:06:54 GMT
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All the OOPS-s, BUG-s, etc should go to bugzilla. Please, fill in the BUG if this problem still exists.

Subject: Re: kernel oops plz help
Posted by [sara3](#) on Fri, 15 Feb 2008 11:27:24 GMT
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Okay
I have a question
can i try upgrading / downgrading the kernel to see if its really a kernel bug or a hardware / any other thing's fault ?

i also notice
-a great high load after the oops
- the oops are daily at fixed time 12.23 am
- few ports fails to direct to the ve's and this problem npt fixed untill i restart the service called network

please advice

Subject: Re: kernel oops plz help
Posted by [xemul](#) on Mon, 18 Feb 2008 08:30:09 GMT
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Well, thie oops can be the result of some rare circumstances, so changing the kernel won't give any definite knowledge about it, unless this happens in 100% cases.

Quote:a great high load after the oops
A great high load after the oops is OK. After an OOPS anything can happen.

Quote:the oops are daily at fixed time 12.23 am

what? Every day at 12.23 am you see that sh... oops?

Quote:few ports fails to direct to the ve's...
Can you elaborate on this?

Subject: Re: kernel oops plz help
Posted by [sara3](#) on Thu, 21 Feb 2008 13:47:42 GMT
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hello
yes

i have the following rare problem

everyday at fixed time around 12:22-1:30 am

i see some ports begins to fail in all VEs for example i cannot connect to cpanel running on all vpses at once

i then see the oops i posted earlier

the problem is fixed when i do service network restart on main HW node and then restart network on each ve then restart cpanel itself

by the way i get the following error when i try to restart network service on a ve

```
Shutting down interface venet0:          [ OK ]
Shutting down loopback interface:         [ OK ]
Setting network parameters: error: unknown error 1 setting key 'kernel.sysrq'
net.ipv4.ip_forward = 0
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.default.accept_source_route = 0
error: unknown error 1 setting key 'kernel.core_uses_pid'
                                           [FAILED]
```

```
Bringing up loopback interface:           [ OK ]
Bringing up interface venet0:             [ OK ]
```

however no error when restarting network service on main hw node

also i have strange problem on hw node

its that when i restart iptables the server fails offline and unconnectable either immediately or few seconds after restarting iptables however i tried reinstalling iptables

please advise

Subject: Re: kernel oops plz help
Posted by [xemul](#) on Fri, 22 Feb 2008 08:47:13 GMT
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You're using rather old kernel (ovz028stab023 is in oops report). Can you try with some more fresh one?

Subject: Re: kernel oops plz help
Posted by [sara3](#) on Fri, 22 Feb 2008 16:08:15 GMT
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mesg: error: tty device is not owned by group `tty'

hello
i already upgraded it to
2.6.18-ovz028stab053.5-

same errors occurs

Subject: Re: kernel oops plz help
Posted by [xemul](#) on Tue, 26 Feb 2008 08:12:09 GMT
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Ok. Fill the BUG and we'll look a it.

Thanks.
