Subject: Seeing BAD errors on OpenVZ Hardware node?
Posted by joelee on Sat, 16 Feb 2008 03:38:20 GMT
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Hi All,

I went to access my OpenVZ hardware node and notice the following errors spitting out on the console - Any thoughts as why these errors are being generated...

ovzh kernel: invalid opcode: 0000 [#19]

Message from syslogd@ovzh at Thu Feb 14 22:01:41 2008 ...
ovzh kernel: SMP

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: CPU: 0, VCPU: 105.0

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: EIP is at __copy_to_user_ll+0xa/0x3a

Message from syslogd@ovzh at Thu Feb 14 22:01:41 2008 ...
ovzh kernel: ------------[cut here]------------

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: eax: bfcfe40b   ebx: 00000005   ecx: d9f5c705   edx: f54ddf08

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: esi: f54ddf08   edi: bfcfe40b   ebp: f53cd874   esp: e95c9ebc

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: Process sed (pid: 19291, veid: 105, ti=e95c8000 task=f5e6ed70 task.ti=e95c8000)

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: Stack: 000007b8 bfcfe40b c0186ead e95c9fbc dfabc000 f53cd840 f665cc80
00000003

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: 000200d2 f5be90c0 08048000 00000000 00000001 f63c4400 00000002
08057ad8

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: 00000000 b7fc67b0 b7fc6000 08048000 08051774 08052774 08052b00
00000001

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...
ovzh kernel: Call Trace:

Message from syslogd@ovzh at Thu Feb 14 22:01:42 2008 ...

ovzh kernel: ds: 007b es: 007b ss: 0068

Joe

Subject: Re: Seeing BAD errors on OpenVZ Hardware node?
Posted by Vasily Tarasov on Sat, 16 Feb 2008 19:44:33 GMT
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Hi,

What kernel runs on this node (uname -a output)?
Please, attach the full dmesg output also.

Thank you,
Vasily

Subject: Re: Seeing BAD errors on OpenVZ Hardware node?
Posted by joelee on Sat, 16 Feb 2008 21:11:41 GMT
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Vasily, Here's the output your requested... See attach for the DMESG output - Thanks for your assistance!

ovz:~# uname -a
Linux ovz 2.6.18-openvz-12-1-686 #1 SMP Tue May 1 04:59:12 CEST 2007 i686 GNU/Linux

Joe

File Attachments
1) dmesg-output.txt.rtf, downloaded 668 times

Subject: Re: Seeing BAD errors on OpenVZ Hardware node?
Posted by Vasily Tarasov on Sat, 16 Feb 2008 21:54:36 GMT
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Joe,

As far as I can see from the dmesg output, you have rebooted the node after the problem occured, right? If so, please attach /var/log/messages file, probably it contains needed information.

Do you encounter this kind of messages often? Or it was the only time you've seen it?

Also, you use pretty old OpenVZ kernel. It worths to upgrade.

Thank you,
Vasily

Subject: Re: Seeing BAD errors on OpenVZ Hardware node?
Posted by joelee on Sun, 17 Feb 2008 18:16:09 GMT
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Here's a partial snippet of a syslog capture I took.

a4 5e 89 c8 5f c3 57 85 c9 56 89 c7 89 d6 79 0b <0f> 0b 66 b8 cd 02 b8 79 dc 29 c0 89 c8 83 f9 07 76 17 89 f9 f7
Feb 14 22:01:37 ovzh kernel: EIP: [<c01b5333>]
[B]__copy_to_user_ll+0xa/0x3a SS:ESP 0068:c69d1ebc[/B]
Feb 14 22:01:37 ovzh kernel: ------------[cut here]------------
[B]Feb 14 22:01:37 ovzh kernel: kernel BUG at arch/i386/lib/usercopy.c:717![/B]
[B]Feb 14 22:01:37 ovzh kernel: invalid opcode: 0000 [#3][/B]
Feb 14 22:01:37 ovzh kernel: SMP
Feb 14 22:01:38 ovzh kernel: Modules linked in: simfs vznetdev vzethdev vzrst ip_nat vzcpt ip_conntrack nfnetlink vz
dquota vzmon vzdev xt_length ipt_ttl xt_tcpmss ipt_TCPMSS iptable_mangle iptable_filter xt_multiport xt_limit ipt_to
s ipt_REJECT ip_tables x_tables ipv6 button ac battery dm_snapshot dm_mirror dm_mod loop tsdev parport_pc parport fl
oppy serio_raw rtc shpchp pci_hotplug psmouse pcspkr intel_agp i2c_piix4 i2c_core agpgart evdev ext3 jbd mbcache sd_
mod ide_cd cdrom generic mptspi mptscsih mptbase scsi_transport_spi pcnet32 mii scsi_mod piix ide_core thermal proce
ssor fan
Feb 14 22:01:38 ovzh kernel: CPU: 0, VCPU: 201.0
Feb 14 22:01:38 ovzh kernel: EIP: 0060:[<c01b5333>]   Not tainted VLI
Feb 14 22:01:38 ovzh kernel: EFLAGS: 00010286   (2.6.18-openvz-12-1-686 #1)
[B]Feb 14 22:01:38 ovzh kernel: EIP is at __copy_to_user_ll+0xa/0x3a[/B]
Feb 14 22:01:38 ovzh kernel: eax: bf800fbb   ebx: 00000005   ecx: d1e86805   edx: f744a908
Feb 14 22:01:38 ovzh kernel: esi: f744a908   edi: bf800fbb   ebp: f5cf16f4   esp: ea137ebc
Feb 14 22:01:38 ovzh kernel: ds: 007b   es: 007b   ss: 0068
Feb 14 22:01:38 ovzh kernel: Process chgrp (pid: 19227, veid: 201, ti=ea136000 task=f77e27c0 task.ti=ea136000)
Feb 14 22:01:38 ovzh kernel: Stack: 000007b0 bf800fbb c0186ead ea137fbc dfab2a00 f5cf16c0 f665c180 00000004
Feb 14 22:01:38 ovzh kernel: 000200d2 f5c58c00 08048000 00000000 00000001 f5a60e40 00000002 0805074c
Feb 14 22:01:38 ovzh kernel: 00000000 b7fc6c20 b7fc6000 08048000 0804f3c0 080503c0 080505e8 00000001
Feb 14 22:01:38 ovzh kernel: Call Trace:
Feb 14 22:01:38 ovzh kernel: [<c0186ead>] load_elf_binary+0xdd2/0x1416

Feb 14 22:01:38 ovzh kernel: [<c0169170>] copy_strings+0x1b4/0x1be
Feb 14 22:01:38 ovzh kernel: [<c0169216>] search_binary_handler+0x75/0x1d4
Feb 14 22:01:38 ovzh kernel: [<c016ac1a>] do_execve+0x16b/0x1e9
Feb 14 22:01:38 ovzh kernel: [<c010132d>] sys_execve+0x2a/0x73
Feb 14 22:01:38 ovzh kernel: [<c010295f>] syscall_call+0x7/0xb
Feb 14 22:01:38 ovzh kernel: Code: 07 76 17 89 f9 f7 d9 83 e1 07 29 c8 f3 a4 89 c1 c1 e9 02 83 e0 03 f3 a5 89 c1 f3
a4 5e 89 c8 5f c3 57 85 c9 56 89 c7 89 d6 79 0b <0f> 0b 66 b8 cd 02 b8 79 dc 29 c0 89 c8 83 f9 07 76 17 89 f9 f7
Feb 14 22:01:38 ovzh kernel: EIP: [<c01b5333>] __copy_to_user_ll+0xa/0x3a SS:ESP 0068:ea137ebc
Feb 14 22:01:38 ovzh kernel: here]------------
Feb 14 22:01:38 ovzh kernel: kernel BUG at arch/i386/lib/usercopy.c:717!
[B]Feb 14 22:01:38 ovzh kernel: invalid opcode: 0000 [#6][/B]
Feb 14 22:01:38 ovzh kernel: SMP
Feb 14 22:01:38 ovzh kernel: Modules linked in: simfs vznetdev vzethdev vzrst ip_nat vzcpt ip_conntrack nfnetlink vz
dquota vzmon vzdev xt_length ipt_ttl xt_tcpmss ipt_TCPMSS iptable_mangle iptable_filter xt_multiport xt_limit ipt_to
s ipt_REJECT ip_tables x_tables ipv6 button ac battery dm_snapshot dm_mirror dm_mod loop tsdev parport_pc parport fl
oppy serio_raw rtc shpchp pci_hotplug psmouse pcspkr intel_agp i2c_piix4 i2c_core agpgart evdev ext3 jbd mbcache sd_
mod ide_cd cdrom generic mptspi mptscsih mptbase scsi_transport_spi pcnet32 mii scsi_mod piix ide_core thermal proce
ssor fan
Feb 14 22:01:38 ovzh kernel: CPU: 0, VCPU: 105.0
Feb 14 22:01:38 ovzh kernel: EIP: 0060:[<c01b5333>]   Not tainted VLI
Feb 14 22:01:38 ovzh kernel: EFLAGS: 00010286   (2.6.18-openvz-12-1-686 #1)
Feb 14 22:01:38 ovzh kernel: EIP is at __copy_to_user_ll+0xa/0x3a
Feb 14 22:01:38 ovzh kernel: eax: bff0ac0b   ebx: 00000005   ecx: c9725205   edx: f54ddf08
Feb 14 22:01:38 ovzh kernel: esi: f54ddf08   edi: bff0ac0b   ebp: f054f174   esp: f2065ebc
Feb 14 22:01:38 ovzh kernel: ds: 007b   es: 007b   ss: 0068
Feb 14 22:01:38 ovzh kernel: Process grep (pid: 19258, veid: 105, ti=f2064000 task=f560a150 task.ti=f2064000)
Feb 14 22:01:39 ovzh kernel: Stack: 000007b8 bff0ac0b c0186ead f2065fbc f5505200 f054f140 f665cc80 00000003
Feb 14 22:01:39 ovzh kernel: 00000246 f5551900 08048000 00000000 00000001 f5a60cc0 00000002 0805fc5c
Feb 14 22:01:39 ovzh kernel: 00000000 b7fe87b0 b7fe8000 08048000 0805ea84 0805f000 0805f28c 00000001
Feb 14 22:01:39 ovzh kernel: Call Trace:
Feb 14 22:01:39 ovzh kernel: [<c0186ead>] load_elf_binary+0xdd2/0x1416
Feb 14 22:01:39 ovzh kernel: [<c0169170>] copy_strings+0x1b4/0x1be
Feb 14 22:01:39 ovzh kernel: [<c0169216>] search_binary_handler+0x75/0x1d4
Feb 14 22:01:39 ovzh kernel: [<c016ac1a>] do_execve+0x16b/0x1e9
Feb 14 22:01:39 ovzh kernel: [<c010132d>] sys_execve+0x2a/0x73
Feb 14 22:01:39 ovzh kernel: [<c010295f>] syscall_call+0x7/0xb

Feb 14 22:01:39 ovzh kernel: Code: 07 76 17 89 f9 f7 d9 83 e1 07 29 c8 f3 a4 89 c1 c1 e9 02 83 e0 03 f3 a5 89 c1 f3
a4 5e 89 c8 5f c3 57 85 c9 56 89 c7 89 d6 79 0b <0f> 0b 66 b8 cd 02 b8 79 dc 29 c0 89 c8 83 f9 07 76 17 89 f9 f7
Feb 14 22:01:39 ovzh kernel: EIP: [<c01b5333>] __copy_to_user_ll+0xa/0x3a SS:ESP 0068:f2065ebc
Feb 14 22:01:39 ovzh kernel: ------------[cut here]------------
Feb 14 22:01:39 ovzh kernel: kernel BUG at arch/i386/lib/usercopy.c:717!
Feb 14 22:01:39 ovzh kernel: invalid opcode: 0000 [#7]
Feb 14 22:01:39 ovzh kernel: SMP
Feb 14 22:01:40 ovzh kernel: Modules linked in: simfs vznetdev vzethdev vzrst ip_nat vzcpt ip_conntrack nfnetlink vz
dquota vzmon vzdev xt_length ipt_ttl xt_tcpmss ipt_TCPMSS iptable_mangle iptable_filter xt_multiport xt_limit ipt_to
s ipt_REJECT ip_tables x_tables ipv6 button ac battery dm_snapshot dm_mirror dm_mod loop tsdev parport_pc parport fl
oppy serio_raw rtc shpchp pci_hotplug psmouse pcspkr intel_agp i2c_piix4 i2c_core agpgart evdev ext3 jbd mbcache sd_
mod ide_cd cdrom generic mptspi mptscsih mptbase scsi_transport_spi pcnet32 mii scsi_mod piix ide_core thermal proce
ssor fan
Feb 14 22:01:40 ovzh kernel: CPU: 0, VCPU: 105.0
Feb 14 22:01:40 ovzh kernel: EIP: 0060:[<c01b5333>]   Not tainted VLI
Feb 14 22:01:40 ovzh kernel: EFLAGS: 00010286   (2.6.18-openvz-12-1-686 #1)
Feb 14 22:01:40 ovzh kernel: EIP is at __copy_to_user_ll+0xa/0x3a
Feb 14 22:01:40 ovzh kernel: eax: bfa02eab   ebx: 00000005   ecx: e0ac6f05   edx: f54ddf08
Feb 14 22:01:40 ovzh kernel: esi: f54ddf08   edi: bfa02eab   ebp: f054f834   esp: cc431ebc
Feb 14 22:01:40 ovzh kernel: ds: 007b   es: 007b   ss: 0068
Feb 14 22:01:40 ovzh kernel: Process sh (pid: 19264, veid: 105, ti=cc430000 task=f786a090 task.ti=cc430000)
Feb 14 22:01:40 ovzh kernel: Stack: 000007b8 bfa02eab c0186ead cc431fbc f595c600 f054f800 f665cc80 00000003
Feb 14 22:01:40 ovzh kernel: 00000246 f4f773c0 08048000 00000000 00000001 f5a60cc0 00000002 080f2c48
Feb 14 22:01:40 ovzh kernel: 00000000 b7f6f7b0 b7f6f000 08048000 080e8520 080e9520 080ee064 00000001
Feb 14 22:01:40 ovzh kernel: Call Trace:
Feb 14 22:01:40 ovzh kernel: [<c0186ead>] load_elf_binary+0xdd2/0x1416
Feb 14 22:01:40 ovzh kernel: [<c0169170>] copy_strings+0x1b4/0x1be
Feb 14 22:01:40 ovzh kernel: [<c0169216>] search_binary_handler+0x75/0x1d4
Feb 14 22:01:40 ovzh kernel: [<c016ac1a>] do_execve+0x16b/0x1e9
Feb 14 22:01:40 ovzh kernel: [<c010132d>] sys_execve+0x2a/0x73
Feb 14 22:01:40 ovzh kernel: [<c010295f>] syscall_call+0x7/0xb
Feb 14 22:01:40 ovzh kernel: Code: 07 76 17 89 f9 f7 d9 83 e1 07 29 c8 f3 a4 89 c1 c1 e9 02 83 e0 03 f3 a5 89 c1 f3
a4 5e 89 c8 5f c3 57 85 c9 56 89 c7 89 d6 79 0b <0f> 0b 66 b8 cd 02 b8 79 dc 29 c0 89 c8 83 f9 07 76 17 89 f9 f7
Feb 14 22:01:40 ovzh kernel: EIP: [<c01b5333>] __copy_to_user_ll+0xa/0x3a SS:ESP

0068:cc431ebc
Feb 14 22:01:40 ovzh kernel: ------------[cut here]------------
Feb 14 22:01:40 ovzh kernel: kernel BUG at arch/i386/lib/usercopy.c:717!
Feb 14 22:01:40 ovzh kernel: invalid opcode: 0000 [#8]
Feb 14 22:01:40 ovzh kernel: SMP
Feb 14 22:01:40 ovzh kernel: Modules linked in: simfs vznetdev vzethdev vzrst ip_nat vzcpt ip_conntrack nfnetlink vz
dquota vzmon vzdev xt_length ipt_ttl xt_tcpmss ipt_TCPMSS iptable_mangle iptable_filter xt_multiport xt_limit ipt_to
s iptl_agp i2c_piix4 i2c_core agpgart evdev ext3 jbd mbcache sd_mod ide_cd cdrom generic mptspi mptscsih mptbase scs
i_transport_spi pcnet32 mii scsi_mod piix ide_core thermal processor fan
Feb 14 22:01:40 ovzh kernel: CPU: 0, VCPU: 105.0
Feb 14 22:01:40 ovzh kernel: EIP: 0060:[<c01b5333>]   Not tainted VLI
Feb 14 22:01:40 ovzh kernel: EFLAGS: 00010286   (2.6.18-openvz-12-1-686 #1)
Feb 14 22:01:40 ovzh kernel: EIP is at __copy_to_user_ll+0xa/0x3a
Feb 14 22:01:40 ovzh kernel: eax: bf8f4fdb   ebx: 00000005   ecx: b9a9c205   edx: f54ddf08
Feb 14 22:01:40 ovzh kernel: esi: f54ddf08   edi: bf8f4fdb   ebp: f054f2f4   esp: ef73de04
Feb 14 22:01:40 ovzh kernel: ds: 007b   es: 007b   ss: 0068
Feb 14 22:01:40 ovzh kernel: Process S20makedev (pid: 19276, veid: 105, ti=ef73c000 task=f6b3c0d0 task.ti=ef73c000)

That's all I have... I don't think I save the /var/log/messages... The above is the syslog messages that I got.
Hope that can help!

Joe

Subject: Re: Seeing BAD errors on OpenVZ Hardware node?
Posted by xemul on Mon, 18 Feb 2008 08:15:59 GMT
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This is a BUG. All BUGs and OOPSes are to be filled in http://bugzilla.openvz.org

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