
Subject: Re: Odd errors from the kernel

Posted by [dev](#) on Wed, 01 Aug 2007 07:53:35 GMT

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Steve,

it very much looks like a hardware memory corruption :/

Though I have no your exact vmlinux at hands, I suppose ub is loaded in %esi and is compared to 0. In your case esi==0x202, which is a 2 bit change.

Plz check your memory with memtest86 (http://wiki.openvz.org/Hardware_testing)

Thanks,

Kirill

Steve Hodges wrote:

> I get this during the running of a script that creates a VE.

>

> The relevant part of the script goes like this:

>

> -----

> vzctl create \${VM_NO} --ostemplate debian-4.0-local --config vps.basic

> || { echo "Error creating VM"; exit 1; }

>

> vzctl set \${VM_NO} --privmpages 32767:65535 --save

> vzctl set \${VM_NO} --name \${VM_NAME} --save

> vzctl set \${VM_NO} --onboot yes --save

> -----

>

> I think the error happens during the create or the setting of

> privmpages, otherwise I'd see more (or less) output.

>

> The server is a very bog standard Debian Etch (minimal system plus sudo,

> ssh, ntp, less, dnsutils, locale, vzctl, vzquota, vzprocps, vzdump, and

> vzctl-ostmpl-debian. I have made minor changes to the template

> (changing /etc/apt/sources.txt, modifying resolv.conf with a search and

> ndots clause, and setting a few environment variables in /etc/profile).

> I have updated the kernel from debian.systs.org (i'm using ovzkernel-2.6.18)

>

> here's the error:

>

> vs1:~# mk-svn 101 /root/svn-dump.gz

> Creating VE private area (debian-4.0-local)

>

> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...

> vs1 kernel: -----[cut here]-----

>

> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...

> vs1 kernel: kernel BUG at kernel/ub/ub_mem.c:387!
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: invalid opcode: 0000 [#1]
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: esi: 00000202 edi: c10a0500 ebp: 00000080 esp: d3cbfea8
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: ds: 007b es: 007b ss: 0068
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: Process gzip (pid: 4931, veid: 0, ti=d3cbf000 task=d752e660
> task.ti=d3cbf000)
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: Stack: c10a0500 c050a068 d752e660 000600d2 c050a068 c01505ec
> c10a0500 00000000
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: 000600d2 d7f7ea00 000600d2 00000000 00000010 c10a0500
> c01785ae 094896ed
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: 00000000 00001000 00000001 cecdec00 00000000 00000000
> c0178c09 d6b57000
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: Call Trace:
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: Code: 5c 24 04 8b 74 24 08 8b 7c 24 0c 8b 6c 24 10 83 c4 14
> c3 56 9d 8b 77 20 85 f6 75 1c 89 1c 24 e8 49 e5 ff ff b8 f4 ff ff ff eb
> d4 <0f> 0b 66 b8 83 01 b8 1d 54 49 c0 eb c2 0f 0b 66 b8 89 01 b8 1d
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: EIP: [<c013866e>] ub_page_charge+0xae/0xd0 SS:ESP 0068:d3cbfea8
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: CPU: 0, VCPU: 0.0
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: EIP is at ub_page_charge+0xae/0xd0
>
> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
> vs1 kernel: eax: 00000001 ebx: c05ec480 ecx: 00000000 edx: c05ed360
>
> Steve
