Subject: Odd errors from the kernel
Posted by Steve Hodges on Wed, 01 Aug 2007 05:42:43 GMT
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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} --privvmpages 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
privvmpages, 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

Subject: Re: Odd errors from the kernel
Posted by Steve Hodges on Wed, 01 Aug 2007 05:51:31 GMT
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On 1/08/2007 1:42 PM, Steve Hodges wrote:
> I get this during the running of a script that creates a VE.
>

I probably should add that I don't see it very often. This may be the
third time. And I've used that same script to create hundreds of VEs

(mostly to test the script).

Steve

Subject: Re: Odd errors from the kernel
Posted by kir on Wed, 01 Aug 2007 07:13:45 GMT
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Steve Hodges wrote:
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>>
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> third time. And I've used that same script to create hundreds of VEs
> (mostly to test the script).

What kernel version is it?

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:
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>
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>
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> vzctl set ${VM_NO} --onboot yes --save
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>
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> Message from syslogd@vs1 at Wed Aug 1 13:21:40 2007 ...
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> vs1 kernel: eax: 00000001   ebx: c05ec480   ecx: 00000000   edx: c05ed360
>
> Steve
