Subject: Exim 4 crashes kernel on Debian Etch 64bit
Posted by jarcher on Fri, 29 Jun 2007 22:31:14 GMT

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Hi All...

I'm running OpenVZ on a Debian Etch 64bit machine, with this prebuilt
kernel:

actual:~# uname -a
Linux actual.xxxxxxxx.com 2.6.18-openvz-12-1etch1-amd64 #1 SMP Fri May 4
23:37:24 MSD 2007 x86_64 GNU/Linux

One of the VPSs is dedicated as a mail server, which is running Exim4,
Spamd, clamd, freshclam and sshd. Every few weeks, for no apparent reason,
the VPS exceeds its kmemsize and Exim will behave strangely. What's
disturbing, though, is that restarting the VPS does not solve the problem
and, in fact, often causes the entire machine to be unstable. The only way
out of this is a reboot.

I wish I had more information to offer, but I'm not sure what to look for.
Can anyone assist? I'm happy to run some tests if it will help.

Thanks very much.

Subject: Re: Exim 4 crashes kernel on Debian Etch 64bit
Posted by Vasily Tarasov on Mon, 02 Jul 2007 13:46:28 GMT

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This is a known issue and it is fixed already in fresh kernels. However
there are no fresh OpenVZ prebuild kernels in Debian archive at the
moment (Thorsten and Ola are working on it now), but you can use the
package from debian.systs.org.

HTH,
Vasily.

On Fri, 2007-06-29 at 18:31 -0400, Jim Archer wrote:
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Subject: Re: Exim 4 crashes kernel on Debian Etch 64bit
Posted by jarcher on Mon, 02 Jul 2007 14:19:10 GMT
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Hi Vasily and thanks very much.

I didn't realize there was a kernel package on systs.org, I have been
manually downloading the packages and installing them with dpkg. Which
package do I want? I see on your site that there is a note dated June 18th
announcing an update of 028stab035, which is 2.6.18. Is that it?

--On Monday, July 02, 2007 5:46 PM +0400 Vasily Tarasov <vtaras@openvz.org>
wrote:

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> there are no fresh OpenVZ prebuild kernels in Debian archive at the
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>> Thanks very much.
>>
>>

Subject: Re: Exim 4 crashes kernel on Debian Etch 64bit
Posted by Vasily Tarasov on Mon, 02 Jul 2007 14:23:20 GMT
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Yes, Jim, 028stab035 kernel is the most recent available (prebuild)
OpenVZ kernel.

Vasily

On Mon, 2007-07-02 at 10:19 -0400, Jim Archer wrote:
> Hi Vasily and thanks very much.
>
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> manually downloading the packages and installing them with dpkg. Which
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Subject: Re: Exim 4 crashes kernel on Debian Etch 64bit
Posted by jarcher on Mon, 02 Jul 2007 15:38:14 GMT
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--On Monday, July 02, 2007 6:23 PM +0400 Vasily Tarasov <vtaras@openvz.org>
wrote:

> Yes, Jim, 028stab035 kernel is the most recent available (prebuild)
> OpenVZ kernel.

Thanks Vasily...

I installed this from systs.org, but it seems that when I boot it my iSCSI
daemon no longer works. I was wondering, do you know if iSCSI was included
in this kernel build? It works fine in the prior kernel I was using.

Thanks,

Jim

Subject: iSCSI kernel mod in precombiled kernel images (was: Re: Exim 4 crashes

kernel on Debian Etch 64bit)
Posted by Thorsten Schifferdeck on Tue, 03 Jul 2007 13:08:45 GMT
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Hi Jim,

Jim Archer schrieb:
> [...]
> I installed this from systs.org, but it seems that when I boot it my
> iSCSI daemon no longer works. I was wondering, do you know if iSCSI was
> included in this kernel build? It works fine in the prior kernel I was
> using.
> [...]

Can you please post with kernel modules are needed for your iSCSI
(deamon) ?

Regards,
Thorsten Schifferdecker

Subject: Re: iSCSI kernel mod in precombiled kernel images (was: Re: Exim 4
crashes kernel on Debian Etch 64
Posted by jarcher on Sun, 08 Jul 2007 05:34:16 GMT
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--On Tuesday, July 03, 2007 3:08 PM +0200 Thorsten Schifferdecker
<tsd@debian.systs.org> wrote:

> Can you please post with kernel modules are needed for your iSCSI
> (deamon) ?

Sorry for the delay, I just saw this now. I'll find that information out
and post it, thank you!

Subject: Re: iSCSI kernel mod in precombiled kernel images (was: Re: Exim 4
crashes kernel on Debian Etch 64
Posted by jarcher on Sun, 08 Jul 2007 05:53:52 GMT
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--On Tuesday, July 03, 2007 3:08 PM +0200 Thorsten Schifferdecker
<tsd@debian.systs.org> wrote:

> Can you please post with kernel modules are needed for your iSCSI
> (deamon) ?

Hello Thorsten

I think the information you need is here:

<http://www.open-iscsi.org/docs/README>

In a nutshell:

The kernel portion of Open-iSCSI is a from-scratch code
licensed under GPL. The kernel part implements iSCSI data path
(that is, iSCSI Read and iSCSI Write), and consists of three
loadable modules: scsi_transport_iscsi.ko, libiscsi.ko and iscsi_tcp.ko.

Also:

As of today, the Open-iSCSI Initiator requires a host running the
Linux operating system with kernel version 2.6.16, or later. See
http://www.open-iscsi.org/cgi-bin/wiki.pl/Supported_Kernels
for a more information about which kernels Open-iSCSI supports.
You need to enable "Cryptographic API" under "Cryptographic options" in the
kernel config. And you must enable "CRC32c CRC algorithm" even if
you do not use header or data digests. They are the kernel options,
CONFIG_CRYPTO and CONFIG_CRYPTO_CRC32C, respectively.

Does this help? tsd@debian.systs.org