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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.

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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](http://debian.systs.org).

HTH,  
Vasily.

On Fri, 2007-06-29 at 18:31 -0400, Jim Archer wrote:

> Hi All...

>

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> Thanks very much.  
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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 [sysfs.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](mailto:vtaras@openvz.org)> wrote:

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

>

> I didn't realize there was a kernel package on sysfs.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?

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>

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

>

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>> Vasily.

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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](mailto:vtaras@openvz.org)> wrote:

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

Thanks Vasily...

I installed this from [systs.org](http://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 precompiled 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 sysfs.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 (daemon) ?

Regards,

Thorsten Schifferdecker

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Subject: Re: iSCSI kernel mod in precompiled 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.sysfs.org> wrote:

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

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

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Subject: Re: iSCSI kernel mod in precompiled 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.sysfs.org> wrote:

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

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](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.sysys.org](mailto:tsd@debian.sysys.org)

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