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Subject: OpenVZ 2.6.18-ovz028test010.1 crashing on DELL PE 2950

Posted by [Jan Tomasek](#) on Fri, 19 Jan 2007 10:20:38 GMT

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Hello,

later I was reporting problems when running 2.6.18-ovz028test005.1 on my DELL PE 2950. Very similar problem came back with 2.6.18-ovz028test010.1.

HW description:

I'm trying to run OpenVZ on my new DELL PE 2950, it has 8GB of RAM, 2x Intel Xeon 5160 @ 3.00GHz. 1.1TB FS attached to internal Perc 5/i adapter and 5.9TB FS from MD1000 attached to Perc 5/E. BIOS and Firmware of both SAS controllers was updated to latest versions.

After instalation of 2.6.18-ovz028test010.1 I didn't any test, it was working fine until Thursday morning when masive I/O started. System stoped completely responding. Screen shows this:

[http://www.tomasek.cz/stuff/IMG\\_0642.JPG](http://www.tomasek.cz/stuff/IMG_0642.JPG)  
system was not respnding to anything.

After fresh reboot I started simulating masive I/O by

```
while true; do nice -20 dd if=/dev/zero of=/sklad/`date +"%s"` bs=1G  
count=4; done
```

and in while system started be unresponsive. It does not crashed as previous, even ping was responding, but that was all. All shells to system was dead. Alt+SysRq+... printed memory info and cpu registers:

<http://www.tomasek.cz/stuff/P1070747.JPG>  
<http://www.tomasek.cz/stuff/P1070748.JPG>

proceces were not respnding to term/kill signals. I had to reboot system.

I was interested in 2.6.18-ovz028test010.1 because of it's ability log iptables mesages into VE logs.

Now I'm back running 2.6.18-ovz028test007, it works without any problems.

If I can provide more info please ask me, I will try to help. I learned how to make that font smaler so more info could fit on screen. I also can disable that blaking screen which doing something in all crashes I see with OpenVZ.

Best regards

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Jan Tomasek aka Semik  
<http://www.tomasek.cz/>

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Subject: Re: OpenVZ 2.6.18-ovz028test010.1 crashing on DELL PE 2950  
Posted by [Pavel Emelianov](#) on Fri, 19 Jan 2007 11:01:00 GMT  
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Jan Tomasek wrote:

> Hello,  
>  
> later I was reporting problems when running 2.6.18-ovz028test005.1 on my  
> DELL PE 2950. Very similar problem came back with 2.6.18-ovz028test010.1.  
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> HW description:  
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> of both SAS controlers was updated to latest versions.  
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> [http://www.tomasek.cz/stuff/IMG\\_0642.JPG](http://www.tomasek.cz/stuff/IMG_0642.JPG)  
> system was not respnding to anything.

This is most likely the tail of the lockup that can be seen  
on the third screenshot.

We've found a race in IO accounting in 028test010 kernel.  
You may pull the latest git tree or just apply a single  
patch to 010 kernel. This must help.

The patch URL is  
<http://git.openvz.org/?p=linux-2.6.18-openvz;a=commit;h=563172f5c9a1023465819505ac17bdd8dab2328f>

Thaks,  
Pavel

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Subject: Re: OpenVZ 2.6.18-ovz028test010.1 crashing on DELL PE 2950  
Posted by [Jan Tomasek](#) on Mon, 22 Jan 2007 09:05:59 GMT  
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Hello Pavel,

Pavel Emelianov wrote:

```
>> After instalation of 2.6.18-ovz028test010.1 I didn't any test, it was
>> working fine until Thursday morning when masive I/O started. System
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```

I patched kernel on friday, it survived intensive testing and whole weekend. Thanks! :)

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Jan Tomasek aka Semik  
<http://www.tomasek.cz/>

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