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Subject: After upgrade, host reboots when trying to start container

Posted by [joepal1976](#) on Sun, 30 Mar 2014 18:10:14 GMT

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I just did a yum update to get:

vzctl version 4.6.1

Linux vz.home.jwp.se 2.6.32-042stab085.20 #1 SMP Fri Mar 21 19:07:05 MSK 2014 x86\_64  
x86\_64 x86\_64 GNU/Linux

Up until this upgrade everything was working smoothly. However, now I can't start containers. The host reboots as soon as I do a vzctl start.

Since the host is remote, I don't see if there are any console messages, but there is nothing in the kern log, which makes me believe it's an instant freeze+reboot.

Please advise.

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [Ales](#) on Sun, 30 Mar 2014 23:03:40 GMT

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You could:

- try your current vzctl with an older vzkernel (2.6.32-042stab084.26 for example, last of the previous stable ..084.xx series)
- downgrade vzctl (did you have 4.5.1 or 4.6 before?), you can find older versions here <https://openvz.org/Download/vzctl/4.5.1> (links to all versions are listed at the bottom of the page)
- check if there are any relevant bugs reported for your vzctl/vzkernel combination and if not, file one once you have more information.

The odd thing is, vzctl 4.6.1 has been out since November 2013, that's why I'm suspecting it might be a vzkernel/vzctl combination (or even plain vzkernel) that gives you trouble.

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [Paparaciz](#) on Mon, 31 Mar 2014 18:12:36 GMT

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Hi,

can it be related to this one:

<https://lists.openvz.org/pipermail/users/2014-March/005537.html>

and related bug report:

[https://bugzilla.openvz.org/show\\_bug.cgi?id=2926](https://bugzilla.openvz.org/show_bug.cgi?id=2926)

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [joepal1976](#) on Mon, 31 Mar 2014 18:20:43 GMT

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Thank you, I will try that kernel.

For now I booted up on the kernel I had previously. This was rather old (2.6.32-042stab076.5) since I have been reluctant do do the kernel upgrades in the first place.

This way the containers started, but shared memory stopped working within them. Any application wanting to allocate shared memory crashed with an "out of space" error.

I'm assuming this comes down to mixing new userland libraries with an old kernel, but that's just my guess.

Anyway, I'm in disaster recovery mode. Once I've migrated away the containers so I know I can start them somewhere else if more stuff hits the fan, I'll try the kernel you suggest.

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [joepal1976](#) on Mon, 31 Mar 2014 18:23:37 GMT

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Possibly. It's the best guess I've seen so far.

It would have been a lot easier if I could see the kernel output, but nothing is flushed to the kernel log when the event happens.

(and since I get the host machine back a bit later, I'm just assuming it's an insta-reboot)

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [Paparaciz](#) on Mon, 31 Mar 2014 18:35:08 GMT

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to see kernel crash logs you can:

[https://wiki.openvz.org/Remote\\_console\\_setup](https://wiki.openvz.org/Remote_console_setup)

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of course if this possible.

I remember did few times netconsole setup and if I remember everything it was only modprobe and testing part in sending side and netcat (nc) in receiving side.

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [iansison](#) on Tue, 22 Apr 2014 05:30:57 GMT

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Hi all. I've been bitten by this bug as well - I cannot vzctl start a container without the entire server rebooting on me.

This happens with kernels

042stab085.20ovz,  
042stab088.4ovz, using vzctl 4.7

Strangely enough

042stab076.8ovz using the same vzctl 4.7 correctly starts containers (no panic, no reboot).

However 042stab076.8ovz has a USB 3.x bug which panics with newer motherboards, so i cannot downgrade

I went on to enable the netconsole so that i can get an idea what is printed on the screen before it reboots, but after all the prep work for netconsole to work, to my surprise, no logs are sent to the netconsole server before the forced reboot. So i got nothing.

I hope someone out there has a solution to offer! Is there anything else i can do to isolate out the problem? HELP!!!

System - CentOS 5.10

Hardware: MSI Z87-G45, Intel(R) Core(TM) i7-4770, 16GB RAM

I also transplated the disks to another system (intel Core-i7-3770, ASUS board) with the same results, so it's not my hardware.

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [Ales](#) on Tue, 22 Apr 2014 13:08:33 GMT

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Did you try any of the other kernels in between? Or older vzctl / libs?

For example, 2.6.32-042stab084.26 works nicely for us (stuck there because of an unrelated libvirt bug).

From the available information, I can't see any common configuration points between all of you that have this problem...

What could it be, NFS, RHEL/CentOS 5.x, a part of HW?

I'm not sure what to suggest here, apart from going to the last known working configuration and then testing cautiously.

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [iansison](#) on Wed, 23 Apr 2014 01:39:40 GMT

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I've tried 042stab084.17ovz and this one works. Luckily for me this has some fixes for USB3 so i can now use this on the mobo i have.

As for common configuration points, i'd say that the most common intersection is the kernel version, and after 042stab084.17ovz for me, things stopped working already.

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [non7top](#) on Sat, 03 May 2014 10:41:13 GMT

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I'm seeing the same behavior and I'm stuck at 2.6.32-042stab084.26. This appears to happen on all kernels older then 2.6.32-042stab084.x. And I don't use ct snapshots/restore. The symptom is simple: boot system, vzctl start xxx and server instantly restarts. Mostly strange that on another server I have 2.6.32-042stab085.20 running without issues.

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [dmc\\_dtc](#) on Mon, 05 May 2014 10:49:17 GMT

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I am having the same issue on all 5 of my servers running OpenVZ, after upgrading to vzctl 4.6.x/4.7 and 85+ kernel and rebooting into 88.4 kernel system just reboots ...

I tried a bit of experimenting and if i disable containers i boot into the kernel and the dom0 machine works fine, but as soon as i try to start VZ container it reboots ..

I tried to add VE\_LAYOUT=simfs to /etc/vz/vz.conf thinking that it could be related since it was known to be big change in vzctl ... but it didnt help

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Any solution to this bug?

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [Paparaciz](#) on Tue, 06 May 2014 06:06:53 GMT

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you have to know how to reproduce this, than submit a bug report.

All who have this problem should report exact kernel, os, tools versions. both HN and CT.

maybe something specific in CT?

maybe something in all setup?

currently I don't have such problem with

1.

2.6.32-042stab088.4

vzctl version 4.7

HN: Centos6

CTs: Centos6

2.

2.6.32-042stab088.4

vzctl version 4.7.2

HN: Centos6

CTs: Centos5

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Subject: Re: After upgrade, host reboots when trying to start container

Posted by [iansison](#) on Wed, 02 Jul 2014 01:42:29 GMT

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Answering my own post, i've finally found out the cause of this problem (at least on my servers).  
I've filed a bug report on the openvz bugzilla

[https://bugzilla.openvz.org/show\\_bug.cgi?id=3010](https://bugzilla.openvz.org/show_bug.cgi?id=3010)

In a nutshell, the sysctl setting

```
kernel.pid_ns_hide_child = 1
```

which i used to hide the pids of containers from the HN ps list causes the kernel panic/reboot.

Setting this to 0 will solve the problem, at least for me.

I have replicated this problem on the stab090.5 kernel, vzctl 4.7.2 on both CentOS 5.10 and 6.5

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