
Subject: *SOLVED* Kernel panic on VE restart
Posted by [n00b_admin](#) on Thu, 24 May 2007 13:21:50 GMT
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Hello !

I recently did a install of openvz on a centos 5 HN with the latest stable kernel.

The HN uses 4GB of memory and i use the PAE version of the kernel.

The HN is used on a local network and i have full access to the machine.

The problem manifests when i restart a VE. First time it happened with a ve in which i run squid, the squid cache was built from sources and i initially thought that it was squids fault for the kernel panic.

Today i restarted a ve in which i run bind for local purposes and the same thing happened. On the screen it says something about the iptables ipv6 kernel modules, it does a stack dump and the last message is "kernel panic - not syncing"

How can i debug this ?

Subject: Re: Kerner panic on VE restart
Posted by [rickb](#) on Thu, 24 May 2007 13:50:05 GMT
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devs need at least the actual panic output. you can gather it by following one of the topics on this page:

http://wiki.openvz.org/Remote_console_setup

I recommend the netconsole module. it works well and you dont need any extra physical gear.

Rick

Subject: Re: Kernel panic on VE restart
Posted by [n00b_admin](#) on Thu, 24 May 2007 15:28:23 GMT
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Thanks for the reference about remote logging !

I attached the output from netconsole.

Is there anything else i can do to help debug this issue ?

Thank you very much !

(5 minutes later)

I uninstalled the iptables-ipv6 rpm package and now i'm able to restart the ve without any problems.

I restarted multiple ve's and all it's ok for the moment. Tomorrow i will continue restarting the ve's to see if it locks up again.

Still this is bad, i think, although i don't use the ipv6 protocol this looks like a (big?) problem.

File Attachments

1) [netconsole_debug.txt](#), downloaded 409 times

Subject: Re: Kernel panic on VE restart

Posted by [Vasily Tarasov](#) on Fri, 25 May 2007 09:20:16 GMT

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Hello,

thank you for the information, seems that it's a bug
http://bugzilla.openvz.org/show_bug.cgi?id=561

We fixed it in 2.6.18 series, but not in 2.6.9 one. At the moment we're checking is it in fact this bug and if it's it, we'll port the patch back to 2.6.9 kernel. I'll inform you.

Thanks,
Vasily.

Subject: Re: Kernel panic on VE restart

Posted by [n00b_admin](#) on Fri, 25 May 2007 10:36:05 GMT

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Ok, but i use latest version of the 2.6.18 kernel.

Isn't that bug fixed in ovzkernel-PAE-2.6.18-8.el5.028stab031.1.i686.rpm ?

This is what i'm using now...

I can confirm that the bug does not manifest anymore after i uninstalled the iptables-ipv6 rpm package

Subject: Re: Kernel panic on VE restart
Posted by [Vasily Tarasov](#) on Fri, 25 May 2007 11:00:25 GMT
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Oh, sorry, I thought you're using 2.6.9 Series. In 2.6.18 it's fixed since 2.6.18-028stab032. You can compile kernel from git or wait till next release.

Thank you,
Vasily.

Subject: Re: Kernel panic on VE restart
Posted by [n00b_admin](#) on Fri, 25 May 2007 12:40:17 GMT
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Ok.

I will try the git release and see how it goes although i don't use the iptables-ipv6.

Thanks for your response !
