Subject: *SOLVED* Kernel panic on VE restart
Posted by n00b_admin on Thu, 24 May 2007 13:21:50 GMT

View Forum Message <> Reply to Message

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

View Forum Message <> Reply to Message

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

View Forum Message <> Reply to Message

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 424 times

Subject: Re: Kernel panic on VE restart
Posted by Vasily Tarasov on Fri, 25 May 2007 09:20:16 GMT
View Forum Message <> Reply to Message

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
View Forum Message <> Reply to Message

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
View Forum Message <> Reply to Message

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
View Forum Message <> Reply to Message

Ok.

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

Thanks for your response !