
Subject: kernel panic after ping to domain

Posted by [goeldi](#) on Thu, 29 Oct 2009 12:24:35 GMT

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Node is CentOS 5.4 with kernel 2.6.18-128.2.1.el5.028stab064.7ent

vzquota-3.0.12-1
vzctl-3.0.23-1
vzyum-2.4.0-11
vzpkg-2.7.0-18
vzrpm43-4.3.3-7_nonptl.6
vzctl-lib-3.0.23-1
vzrpm43-python-4.3.3-7_nonptl.6
vzrpm44-4.4.1-22.5
vzrpm44-python-4.4.1-22.5
vztmpl-centos-4-2.0-2

If I install the standard CentOS-4 Template I can ping to an ip and to a domainname from the CT without problem.

If I use a custom CentOS-5 precreated Template, pinging to ip works, but pinging to a domain name makes immediately a kernel panic.

The ethernet controller:

Realtek Semiconductor Co., Ltd. RTL8111/8168B PCI Express Gigabit Ethernet controller (rev 02)

I tried these templates:

centos-5-i386-default-5.4-20091022
centos-5-i386-minimal
centos-5-x86

the hardware:

AMD Athlon II X2 240

Mainboard: ASRock A780FullHD

16GB RAM

I already tried kernel boot options noapic, nolapic and noacpi.

dmesg and /var/log/messages doesn't tell me anything special.

Subject: Re: kernel panic after ping to domain
Posted by [khorenko](#) on Thu, 29 Oct 2009 12:44:31 GMT
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Hi.

1) please, configure a remote console (preferably - serial console) - to collect the complete oops logs + messages printed right before the kernel panic. So, please, reproduce the problem, save logs, file a bug and post logs there.

http://wiki.openvz.org/Remote_console_setup

2) please, try other kernel flavors (smp(no suffix), PAE) - just to check if the problem is global or not.

3) (optional) If 1) is not possible for some reason, please, take a screenshot of the kernel panic message and post to to the bug. Not too much chances that this will help (cause not all info fit one screen), but might be still useful).

Good luck!

--
Konstantin

Subject: Re: kernel panic after ping to domain
Posted by [goeldi](#) on Thu, 29 Oct 2009 13:25:12 GMT
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hope the attached screenshot helps.

I already tried it with the pae kernel (instead of ENT), but not with non-smp, will try that later.

File Attachments

1) [Foto_102809_001.jpg](#), downloaded 408 times

Subject: Re: kernel panic after ping to domain
Posted by [goeldi](#) on Thu, 29 Oct 2009 13:47:02 GMT
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I tried it now with the non-pae/non-ent kernel and with this one it works ok:

ovzkernel-2.6.18-128.2.1.el5.028stab064.7

ovzkernel-debug-2.6.18-128.2.1.el5.028stab064.7

Since this system has 16GB RAM and 2 CPUs I will need the PAE or ENT version of kernel. With both of them the panic happens.

Subject: Re: kernel panic after ping to domain
Posted by [goeldi](#) on Thu, 29 Oct 2009 14:02:51 GMT
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sorry, but it just happened with the debug kernel too. IPTables was deactivated on the node. The CT can resolve the IP address of the pinged domain (google.com), but that's it, after this the kernel panics.

Subject: Re: kernel panic after ping to domain
Posted by [khorenko](#) on Thu, 29 Oct 2009 14:03:26 GMT
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Hi again.

Unfortunately screenshot does not help at all in this case: you see, the calltrace we see there is not the first one (there are some lines from previous calltrace), and thus this calltrace is really useless.

Please, try to collect complete log. You've said SMP (that is "non-pae/non-ent" kernel) works fine, this let us hope the problem is not network related and thus network console might also work.

Hope that helps.

--
Konstantin

Subject: Re: kernel panic after ping to domain
Posted by [goeldi](#) on Thu, 05 Nov 2009 15:02:09 GMT
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obviously the onboard ethernet adapter had a bug. I deactivated it in the BIOS and installed a pci card. Now only the el5 ovzkernel can boot these disks (no go with 2.6.18, pae or ent). Now a ping to an external domain works if IPTables on the Node is stopped. When IPTables runs, only pinging to ip addresses (not domains) is possible.

Here my configuration:

Node: CentOS 5.4 with 2.6.18-128.2.1.el5.028stab064.7ent

Attached is the sysctl.conf of the node, and the conf file of the container.

working nameserver is set inside of CT (212.40.0.10).

File Attachments

- 1) [105.conf](#), downloaded 403 times
 - 2) [sysctl.conf](#), downloaded 427 times
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