Posted by ntenev on Mon, 05 Dec 2005 23:58:51 GMT
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Hi everyone, the problem is simple to explain, when I start host machine with ovzkernel-2.6.8-022stab050.1 after about a 2 hours not heavy work it's looses a system time and start show strange values on 'date' command ...

(22:30:31) date
Tue Dec 6 22:07:21 EET 2005

(22:30:35) date
Tue Dec 6 22:07:21 EET 2005

(22:30:37) date
Tue Dec 6 22:07:20 EET 2005

(22:30:41) date
Tue Dec 6 22:07:21 EET 2005

(22:30:43) date
Tue Dec 6 21:17:33 EET 2005

(22:30:46) date
Tue Dec 6 21:17:33 EET 2005

(22:30:50) date
Tue Dec 6 21:17:33 EET 2005

(22:30:53) date
Tue Dec 6 22:07:21 EET 2005

etc.

the time in parents is real time getted from other machine. Intervals between commands are not same everytime. The strange (for me) is that when I boot same machine with vzkernel-2.6.8-022stab038.1 I don't see any more these problems nomatters how long time machine work (I mean in days).

I tryed to copy /usr/share/zoneinfo/Europe/Sofia like /etc/localtime, other try was to symlink (ln -s /usr/share/zoneinfo/Europe/Sofia /etc/localtime), even I start ntpd that synchonyze system time but with ovzkernel-2.6.8-022stab050.1 the time mess was here (after a 2 - 3 hours work) and as result was that everything was slow ... really slow (vzctl restart xxx = about 45 - 60 min.). The same problems I have and with ovzkernel-2.6.8-022stab045.1

Now I use old vzkernel-2.6.8-022stab038.1 but everything goes fine without any changes on settings.

Do I miss something or there is a problem ? If this information can be useful the host machine is IBM ThinkCentre 2.4 GHz 512 RAM with Fedora Core 4 as a host OS and vztmpl-fedora-core-4-2.0-1.i386.rpm for VPSes

Thanks in advance !

Subject: Re: system time problems with ovz kernels
Posted by kir on Tue, 06 Dec 2005 08:49:44 GMT
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Thank you for reporting the bug, we will look into the issue.

I have created a new bug report (bug #75) for that. You can register in Bugzilla and add yourself into Cc for the bug if you want to track its progress.

Subject: Re: system time problems with ovz kernels
Posted by dev on Tue, 06 Dec 2005 09:25:20 GMT
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Please, provide the following information to help to resolve it:

1. during the boot kernel selects the timesource, check for string like this:
Using ... for high-res timesource
what timesource is used in 038 and in 045/050?

2. does kernel boot parameter "clock=pit" helps?
and "clock=tsc"?

3. I suppose this happened due to turned ON ACPI. Are you able to build and check kernel with options changes I will provide you?

Subject: Re: system time problems with ovz kernels
Posted by ntenev on Wed, 07 Dec 2005 10:58:29 GMT
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I will give all this information as soon as possible. But yesterday I change the host OS from Fedora Core to CentOS 4.2 ... actually reinstall all. I don't think that this change some important, but if is better to host OS to be Fedora Core I will try to find another HDD for tests.

Subject: Re: system time problems with ovz kernels

Posted by dev on Wed, 07 Dec 2005 16:04:29 GMT

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Ok, thanks a lot!

Subject: Re: system time problems with ovz kernels
Posted by ntenev on Thu, 08 Dec 2005 09:52:23 GMT

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Hi again, now I have some of answers that dev ask.

1. During boot all kernels use by default tsc as high-res timesource. Kernels with I test are:
    a) kernel-2.6.9-22.0.1.EL (CentOS 4.2 standart)
    b) vzkernel-2.6.8-022stab038.1.i686
    c) ovzkernel-2.6.8-022stab050.1.i686

2. At this time machine work with ovzkernel-2.6.8-022stab050.1.i686 but with clock=pit boot option and to now, for about 8 hours, there is no problem ... I will wait some more hours before try clock=tsc acpi=off.

3. Dev: yes, if you provide me options I'm able to test builded kernels. I am really sorry, but I have misunderstood the question last time ... english is not my native language, and some time I'm "lost in translation"

I have saved dmesg messages from every boot with upper three kernels, and can send to somebody if think that they will be useful.

Have a nice day !

Subject: Re: system time problems with ovz kernels
Posted by ntenev on Fri, 09 Dec 2005 11:18:45 GMT

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Latest news are that with ovzkernel-2.6.8-022stab050.1.i686 and clock=pit boot option system time again failed after a 9 hours work. But for now with ovzkernel-2.6.8-022stab050.1.i686, default tsc clock and acpi=off boot option the machine works more that 24 hours without problem. If you need some additional information from me, or to make some test, just say.

Regards !

Subject: Re: system time problems with ovz kernels

Posted by dev on Sat, 17 Dec 2005 16:20:49 GMT

thanks a lot for information. It was exactly ACPI I was going to blame since we turned it ON in v046, so you just confirmed my guess.

Running kernel with acpi=off should be ok for you now.
Give me to know if something goes wrong.

Subject: Re: system time problems with ovz kernels
Posted by kir on Sat, 17 Dec 2005 16:58:32 GMT

If the problem is ACPI, you could also try updating your BIOS to the latest version offered from your mobo manufacturer's site. In some cases it helps.

Subject: Re: system time problems with ovz kernels
Posted by ntenev on Sun, 18 Dec 2005 02:21:22 GMT

 Yes, the problem is in ACPI as you say. With acpi=off boot option PC work more than 9 days without problem. I will try to update BIOS and will write again when test it. Thanks a lot and have a nice day (night by my timezone)