Subject: *SOLVED* 028test10.1 same sda error on 3 of 5 machines
Posted by bjmg on Sat, 13 Jan 2007 11:39:13 GMT
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Hello!

We have a strange problem with some of our servers.
Before we installed OpenVZ (using CentOS 4.4 as basis) on our machines every server worked without any problem. Now - after the installation of OpenVZ 028test10.1 we got strange hardware errors. The error is the same on ALL machines (including sector numbers):
end_request: I/O error, dev sda, sector 5100005.
The strange on that fact is that every machine has different hard drive vendors. So it seems to be impossible that every machine has the same error. But all (5 of 5) machines still have the same main board. I think it is not a hardware bug but a kernel problem because all machines worked well with ubuntu 6.06 and its official ubuntu server kernel.
After the error occurs the machine is only reachable by ping but not via ssh. Console access is not possible too.
btw. We need the 2.6.18 kernel series because we need nfs support in the VEs.

I really hope someone can give us a hint on how to solve that problem.

Thank you for reading

Bernhard

Subject: Re: 028test10.1 same sda error on 3 of 5 machines
Posted by bjmg on Sat, 13 Jan 2007 12:30:42 GMT
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Notice:
In one of the servers we changed the hard disk already -> still the same error.

The systems are using a VIA VT6420 SATA Controller. And I already found some links to other people that have similar problems.
For example this one:
http://lkml.org/lkml/2006/12/30/79

They concludde that this is a device error but I still think this is wrong because we have exactly the same error on many machines.

Maybe the driver for VT6420 has an error. I'll try looking deeper into it but I'm not a kernel hacker so my knowledge of the kernel is limited. Hopefully someone can help out.

Subject: Re: 028test10.1 same sda error on 3 of 5 machines
Posted by bjmg on Sat, 13 Jan 2007 13:01:45 GMT

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This Kernel-Bugzilla entry seems to describe our problem:
http://bugzilla.kernel.org/show_bug.cgi?id=7641

Subject: Re: 028test10.1 same sda error on 3 of 5 machines
Posted by Vasily Tarasov on Mon, 15 Jan 2007 07:21:02 GMT
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Thank you for your report and useful notes.

I filled the bug, concerning the problem:
http://bugzilla.openvz.org/show_bug.cgi?id=437

At
http://bugzilla.kernel.org/show_bug.cgi?id=7415
comment #28 and comment #32 content patches.
They're very small and I guess you can apply them for
OpenVZ without changes. Can you try them, please?

Thanks in advance.

Subject: Re: 028test10.1 same sda error on 3 of 5 machines
Posted by dev on Thu, 22 Mar 2007 15:15:18 GMT
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bjmg,

do you know whether RHEL5 based OVZ kernels suffer from the same problem?
If yes, then we have to post a bug to RHEL bugzilla...
If not, you can safely use RHEL5 based kernels then...

Thanks,
Kirill

Subject: Re: 028test10.1 same sda error on 3 of 5 machines
Posted by bjmg on Sat, 28 Apr 2007 10:36:47 GMT
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Hi!

I'll try the new stable RHEL5 kernel on RHEL4 (CentOS) and will report if the problem is still there.
At least the normal 2.6.18-ovz releases still have the same problem. Also kernel 2.6.20 does not

work on that machines btw. I'll post more about that in another thread.

Bernhard

Subject: Re: 028test10.1 same sda error on 3 of 5 machines
Posted by bjmg on Sun, 29 Apr 2007 09:42:08 GMT
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The Problem also occurs with the el5-ovz kernel. That is really bad. :-/
Well, I'll report the bug to redhat. Hope that helps.

There are already one or two bugs that are related:
https://bugzilla.redhat.com/bugzilla/show_bug.cgi?id=211948
https://bugzilla.redhat.com/bugzilla/show_bug.cgi?id=202822

There is also a possible workaround (deactivating irqbalance). I think I should try that too.

Thank you

Bernhard

Subject: Re: 028test10.1 same sda error on 3 of 5 machines
Posted by Vasily Tarasov on Wed, 02 May 2007 07:50:42 GMT
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Thanks for the info!

Subject: Re: 028test10.1 same sda error on 3 of 5 machines
Posted by bjmg on Wed, 02 May 2007 21:28:45 GMT
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It seems that both kernels (RHEL5+ovz, vanilla+ovz) are running fine after deactivating irqbalance.

Thank you for your help!

Bernhard
