

## Re: WARNING: at fs/buffer.c:1186 mark\_buffer\_dirty+0x51/0x66()

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-10/msg12870.html>

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- *From:* Vladislav Bolkhovitin <[vst@xxxxxxxx](mailto:vst@xxxxxxxx)>
  - *Date:* Fri, 31 Oct 2008 21:11:54 +0300
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Nick Piggin wrote:

On Wednesday 29 October 2008 06:38, Vladislav Bolkhovitin wrote:

Nick Piggin wrote:

On Saturday 25 October 2008 03:10, Vladislav Bolkhovitin wrote:

Hi,

During recent debugging session of my  
SCSI target SCST  
(<http://scst.sf.net>) I noticed many

WARNING: at fs/buffer.c:1186  
mark\_buffer\_dirty+0x51/0x66()

messages in kernel log on the initiator. I  
attached the full log of  
several of them.

My target was buggy and I was working on  
fixing it, but I suppose Linux  
should handle such failures more gracefully.  
In all the cases the target  
had one type of failure: it "ate" a SCSI  
command and never returned  
result of it.

Right. This is one of the warnings I see in my fault-injection  
testing.

It is fixed by my patch to clean up and improve the page and  
buffer  
error handling in the vm/fs.

Can you specify which patch you referring? Is it in 2.6.27?

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It's just an RFC at the moment which I posted to fsdevel. Not in 2.6.27.

I see. I'm looking forward to see it in 2.6.28 or .29. This is really a needed work.

BTW, have you even seen in your fault-injection testing that after receiving a failure from a SCSI device during heavy load ext3 file system mounted on it gets corrupted and journal replay on remount doesn't repair it, only manual e2fsck helps? I've many times seen that, including cases when the target was remaining up and fully functional. See, e.g., "MOANING MODE ON" part in <http://marc.info/?l=linux-scsi&m=121932252324432&w=2>. I haven't checked that case since then, although I see such corruptions quite often. But in all them I can't so clearly say that it isn't a target's failure.

Vlad

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