

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

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-11/msg01924.html>

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- *From:* Nick Piggin <[nickpiggin@xxxxxxxxxxxxx](mailto:nickpiggin@xxxxxxxxxxxxx)>
  - *Date:* Thu, 6 Nov 2008 21:48:39 +1100
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On Saturday 01 November 2008 05:11, Vladislav Bolkhovitin wrote:

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  
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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.

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

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?

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.

Hopefully. Unfortunately it doesn't exactly make the filesystems themselves more robust against failure. That needs to be done on a case by case basis.

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.in>