

Re: [PATCH] fix rmmmod sbp2 hang in 2.6.7

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-07/3553.html>

From: Tim Wright (timw_at_splhi.com)

Date: 07/17/04

To: Ben Collins <bcollins@debian.org>
Date: Sat, 17 Jul 2004 11:43:16 -0700

Here's a wild guess. Is the 'sg' driver loaded. This sounds similar to my complaint with trying to rmmmod 'st'. When I load my SCSI HBA driver, it automatically pulls in st for my tape drive *and* sg. Now, if you try to remove it, it "hangs". It's because sg also got a reference. If you rmmmod 'sg' then the rmmmod of st frees up too.

The problem above is that st has module use count of 0, but that's a lie. sg has glommed on that device, and the true reference count is actually one (if you consider that st owns the tape device). It seems to me that what should happen is for the SCSI layer/drivers to handle kicking sg out when they want to unload. If the consensus is that this is desirable, I'm happy to go off and see what needs to be done. Otherwise, I'll crawl back into my hole :-)

Tim

On Wed, 2004-07-14 at 04:33, Ben Collins wrote:

> On Wed, Jul 14, 2004 at 10:24:17AM +0100, Russell King wrote:
>> On Wed, Jul 14, 2004 at 05:11:07PM +0800, Hugang wrote:
>>> On Wed, 14 Jul 2004 16:13:57 +0800
>>> Hugang <hugang@soulinfo.com> wrote:
>>> | On Wed, 14 Jul 2004 11:48:54 +0800
>>> | Hugang <hugang@soulinfo.com> wrote:
>>> |
>>>
>>> | Sorry, the above patch, can't fix rmmmod sbp2 complete,I still got hang when
>>> | rmmmod sbp2 in my PowerBook G4 sometimes.
>>> |
>>>
>>> This new patch can complete fix the bug. That's really hack. Any comment are
>>> welcome.
>>>
>> This down+up prevents drivers from being unloaded until there are no
>> references to their struct device_driver. By removing this, you open
>> the very real possibility for an oops to occur.
>>
>> If you're waiting inside that function for the last reference to be

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> > *dropped, the real question is why you still have references to it.*
>
> *Seems like every 2 months or so I have to revisit the sbp2 module to see*
> *where the scsi layer has changed (or the driver model) so that I can get*
> *all the reference counting to equal out properly. Guess it's been two*
> *months again :)*

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Tim Wright <timw@splhi.com>

Splhi

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