## Subject: Re: 2.6.23-mm1 s390 driver problem
Posted by Cedric Le Goater on Fri, 19 Oct 2007 09:16:16 GMT

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Martin Schwidefsky wrote:
> On Thu, 2007-10-18 at 15:31 -0500, Serge E. Hallyn wrote:
>> Quoting Christian Borntraeger (borntraeger@de.ibm.com):
>>> Am Donnerstag, 18. Oktober 2007 schrieb Serge E. Hallyn:
>>>> Sigh, well this turned out less informative than I'd liked.
>>>> After bisecting 2.6.23 to 2.6.23-mm1, I found that
>>>> git-s390.patch is the one breaking my s390 boot :(
>>>> (Frown bc it's a conglomeration of patches0
>>>>
>>>> Symptom is:
>>>>  "Cannot open root device "dasdd2" or unknown-block(94,14)"
>>>> even though dasdd2 appeared to be found earlier in the boot.  I also
>>>> get
>>> Can you post the full console output from IPL to the unsuccessful end?
>> Yeah, sorry, appended below.
>>
>> I had thought that the line
>>  sysctl table check failed: /sunrpc/transports .7249.14 Missing strategy
>> meant that the fix referenced in http://lkml.org/lkml/2007/10/11/48
>> would fix it, but it appeared to have no effect.
>
> This is the vmlinux.lds.S problem. The cleanup patch from Sam Ravnborg
> moved the __initramfs_start and __initramfs_end symbols into
> the .init.ramfs section. This is in itself not a problem, but it
> surfaced a bug: there is no *(.init.initramfs), that needs to be
> *(init.ramfs). I corrected this in the upstream patch but 2.6.23-mm1 has
> the older one that still causes the "Cannot open root device". For
> 2.6.23-mm1 use the patch below.
>

thanks martin,

that helped going a little further in the boot process but we then have
a network issue when bringing the network interface up :




Modules linked in:
CPU:   0   Not tainted
Process ip (pid: 1167, task: 0000000001d46038, ksp: 00000000025efb28)
Krnl PSW : 0704200180000000 0000000000000002 (0x2)
        R:0 T:1 IO:1 EX:1 Key:0 M:1 W:0 P:0 AS:0 CC:2 PM:0 EA:3
Krnl GPRS: 0000000000000000 0000000000000000 000000000241f600 0000000001c8d

```
        00000000000086dd 0000000001eb6d70 0000000000000000 0000000001c8d
        0000000001eb6d40 00000000003abc28 0000000001eb6d00 00000000025ef
        000000000241f600 00000000003b6d18 00000000002b33d2 00000000025ef
Krnl Code:>0000000000000002: 0000            unknown
        0000000000000004: 0000            unknown
        0000000000000006: 0000            unknown
        0000000000000008: 0000            unknown
        000000000000000a: 0000            unknown
        000000000000000c: 0000            unknown
        000000000000000e: 0000            unknown
        0000000000000010: 0000            unknown
Call Trace:
```

00000000002b3352 gives : include/linux/netdevice.h:819

C.

Subject: Re: 2.6.23-mm1 s390 driver problem
Posted by Martin Schwidefsky on Fri, 19 Oct 2007 09:20:53 GMT

On Fri, 2007-10-19 at 11:16 +0200, Cedric Le Goater wrote:
> > This is the vmlinux.lds.S problem. The cleanup patch from Sam Ravnborg
> > moved the __initramfs_start and __initramfs_end symbols into
> > the .init.ramfs section. This is in itself not a problem, but it
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> > the older one that still causes the "Cannot open root device". For
> > 2.6.23-mm1 use the patch below.
> >
>
> thanks martin,
>
> that helped going a little further in the boot process but we then have
> a network issue when bringing the network interface up :

See http://marc.info/?l=linux-kernel&m=119270398931208&w=2


--
blue skies,
  Martin.


"Reality continues to ruin my life." - Calvin.


_____
Containers mailing list
Containers@lists.linux-foundation.org
https://lists.linux-foundation.org/mailman/listinfo/containers


## Subject: Re: 2.6.23-mm1 s390 driver problem
Posted by akpm on Fri, 19 Oct 2007 09:27:19 GMT

On Fri, 19 Oct 2007 11:16:16 +0200 Cedric Le Goater <clg@fr.ibm.com> wrote:

> Martin Schwidefsky wrote:
> > On Thu, 2007-10-18 at 15:31 -0500, Serge E. Hallyn wrote:
> >> Quoting Christian Borntraeger (borntraeger@de.ibm.com):
> >>> Am Donnerstag, 18. Oktober 2007 schrieb Serge E. Hallyn:
> >>>> Sigh, well this turned out less informative than I'd liked.
> >>>> After bisecting 2.6.23 to 2.6.23-mm1, I found that
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> >>>> (Frown bc it's a conglomeration of patches0
> >>>>
> >>>> Symptom is:

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> > *(init.ramfs). I corrected this in the upstream patch but 2.6.23-mm1 has
> > the older one that still causes the "Cannot open root device". For
> > 2.6.23-mm1 use the patch below.
> >
>
> thanks martin,
>
> that helped going a little further in the boot process but we then have
> a network issue when bringing the network interface up :

please cc netdev on network issues.




> Modules linked in:
> CPU:   0    Not tainted
> Process ip (pid: 1167, task: 0000000001d46038, ksp: 00000000025efb28)
> Krnl PSW : 0704200180000000 0000000000000002 (0x2)
>          R:0 T:1 IO:1 EX:1 Key:0 M:1 W:0 P:0 AS:0 CC:2 PM:0 EA:3
> Krnl GPRS: 0000000000000000 0000000000000000 000000000241f600 0000000001c8d
>          0000000000086dd 0000000001eb6d70 0000000000000000 0000000001c8d
>          0000000001eb6d40 00000000003abc28 0000000001eb6d00 00000000025ef
>          000000000241f600 00000000003b6d18 00000000002b33d2 00000000025ef
> Krnl Code:>0000000000000002: 0000            unknown
>          0000000000000004: 0000           unknown
>          0000000000000006: 0000           unknown
>          0000000000000008: 0000           unknown
>          000000000000000a: 0000           unknown
>          000000000000000c: 0000           unknown
>          000000000000000e: 0000           unknown
>          0000000000000010: 0000           unknown
> Call Trace:

that's a network issue ;)

> 00000000002b3352 gives : include/linux/netdevice.h:819
>

I have a feeling that we fixed this.  But there's no BUG at 2.6.23-mm1's
include/linux/netdevice.h:819.  How about setting
CONFIG_DEBUG_BUGVERBOSE=y?

_____

Subject: Re: 2.6.23-mm1 s390 driver problem
Posted by Cedric Le Goater on Fri, 19 Oct 2007 11:06:19 GMT
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Martin Schwidefsky wrote:
> On Fri, 2007-10-19 at 11:16 +0200, Cedric Le Goater wrote:
>>> This is the vmlinux.lds.S problem. The cleanup patch from Sam Ravnborg

>>> moved the __initramfs_start and __initramfs_end symbols into
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>>> surfaced a bug: there is no *(.init.initramfs), that needs to be
>>> *(init.ramfs). I corrected this in the upstream patch but 2.6.23-mm1 has
>>> the older one that still causes the "Cannot open root device". For
>>> 2.6.23-mm1 use the patch below.
>>>
>> thanks martin,
>>
>> that helped going a little further in the boot process but we then have
>> a network issue when bringing the network interface up :
>
> See http://marc.info/?l=linux-kernel&m=119270398931208&w=2

hmm, that doesn't fix the oops.

/me looking.

Thanks,

C.

_____

## Subject: Re: 2.6.23-mm1 s390 driver problem
Posted by Cedric Le Goater on Fri, 19 Oct 2007 11:17:22 GMT
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>> that helped going a little further in the boot process but we then have
>> a network issue when bringing the network interface up :
>
> please cc netdev on network issues.

yes.

>> Modules linked in:
>> CPU:   0    Not tainted
>> Process ip (pid: 1167, task: 0000000001d46038, ksp: 00000000025efb28)
>> Krnl PSW : 0704200180000000 0000000000000002 (0x2)
>>         R:0 T:1 IO:1 EX:1 Key:0 M:1 W:0 P:0 AS:0 CC:2 PM:0 EA:3

>> Krnl GPRS: 0000000000000000 0000000000000000 000000000241f600 0000000001c8d
>>          00000000000086dd 0000000001eb6d70 0000000000000000 0000000001c8d
>>          0000000001eb6d40 00000000003abc28 0000000001eb6d00 00000000025ef
>>          000000000241f600 00000000003b6d18 00000000002b33d2 00000000025ef
>> Krnl Code:>0000000000000002: 0000          unknown
>>          0000000000000004: 0000          unknown
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>> Call Trace:

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> that's a network issue ;)
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>
> I have a feeling that we fixed this.  But there's no BUG at 2.6.23-mm1's
> include/linux/netdevice.h:819.

but dev->header_ops is bogus. right ?

> How about setting CONFIG_DEBUG_BUGVERBOSE=y?

it is set :(

C.


_____

---

**Subject: Re: 2.6.23-mm1 s390 driver problem**
Posted by Martin Schwidefsky on Fri, 19 Oct 2007 11:25:29 GMT
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On Fri, 2007-10-19 at 13:17 +0200, Cedric Le Goater wrote:
> > please cc netdev on network issues.
>
> yes.
>


> >
> > that's a network issue ;)
> >
> >> 00000000002b3352 gives : include/linux/netdevice.h:819
> >>
> >
> > I have a feeling that we fixed this.  But there's no BUG at 2.6.23-mm1's
> > include/linux/netdevice.h:819.
>
> but dev->header_ops is bogus. right ?
>
> > How about setting CONFIG_DEBUG_BUGVERBOSE=y?
>
> it is set :(

This is definitly a problem with the header_ops in the qeth network
driver. I've asked our network team to take care of it. Stay tuned..

--
blue skies,
  Martin.

"Reality continues to ruin my life." - Calvin.

---