

## DragonFlyBSD - Bug #1218

### panic: assertion: error == 0 in hammer\_start\_transaction

01/08/2009 12:56 AM - rumcic

<b>Status:</b>	In Progress	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	VFS subsystem	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	4.2.x		
<b>Description</b>			
<p>The machine was mostly idle and the panic happened during the night when I was sleeping, so I don't remember much what I was running. The only thing I do remember, was a vkernel running under gdb (still have to find out why when running a diskless vkernel outside gdb it displays quite a few "RPC timeout for server 192.168.0.16" before the network starts working and goes on booting, but if I run the vkernel under gdb, I only get perhaps 2 of those messages and after that nothing happens - gets stuck) which was semi-diskless (root on nfs, and one hammer fs partition on the first vkd, but since it was stuck at the RPC timeout messages it shouldn't have gotten far enough to mount the root, let alone the local hammer partition - unless it started booting sometime during the night).</p> <p>The backtrace: panic: assertion: error == 0 in hammer_start_transaction mp_lock = 00000000; cpuid = 0 Trace beginning at frame 0xe28c9968 panic(e28c998c,c02c6806,e28c9a84,c39a6738,e28c99a8) at panic+0x14d panic(c03d0698,c03de4df,c03bbd41,6,45d61) at panic+0x14d hammer_start_transaction(e28c9a84,debc0000,c39a6738,1,1) at hammer_start_transaction+0x41 hammer_ioctl(de0bc550,c02c6806,e28c9c1c,1,c39a6738) at hammer_ioctl+0x2d hammer_vop_ioctl(e28c9ae0,c04314e0,d272ad10,e27c46e8,0) at hammer_vop_ioctl+0x2f vop_ioctl(d272ad10,e27c46e8,c02c6806,e28c9c1c,1) at vop_ioctl+0x38 vn_ioctl(d61e90c0,c02c6806,e28c9c1c,c39a6738,d61e90c0) at vn_ioctl+0xbf mapped_ioctl(4,c02c6806,bf8ff8e0,0,e28c9d34) at mapped_ioctl+0x3e1 sys_ioctl(e28c9cf0,6,1e82,0,d8f675d8) at sys_ioctl+0x16 syscall2(e28c9d40) at syscall2+0x265 Xint0x80_syscall() at Xint0x80_syscall+0x36 boot() called on cpu#0</p> <p>The dump is located at leaf:~rumko/crash/{kernel,vmcore}.0</p> <p>The kernel was compiled on the 2nd January around noon CET ... so the sources should have been from around then as well.</p> <p>-- Regards, Rumko</p>			

### History

#### #1 - 01/08/2009 12:56 AM - dillon

:...  
:few "RPC timeout for server 192.168.0.16" before the network starts working  
:and goes on booting, but if I run the vkernel under gdb, I only get perhaps 2  
:of those messages and after that nothing happens - gets stuck) which was  
:semi-diskless (root on nfs, and one hammer fs partition on the first vkd, but  
:since it was stuck at the RPC timeout messages it shouldn't have gotten far  
:enough to mount the root, let alone the local hammer partition - unless it  
:started booting sometime during the night).  
:  
:The backtrace:  
:panic: assertion: error == 0 in hammer\_start\_transaction

:mp\_lock = 00000000; cpuid = 0  
:Trace beginning at frame 0xe28c9968  
:panic(e28c998c,c02c6806,e28c9a84,c39a6738,e28c99a8) at panic+0x14d  
:...  
:The dump is located at leaf:~rumko/crash/{kernel,vmcore}.0  
:  
:The kernel was compiled on the 2nd January around noon CET ... so the sources  
:should have been from around then as well.  
:--  
:Regards,  
:Rumko

Looking at the core the error code was 6, ENXIO, which implies  
the underlying block device to the HAMMER filesystem went away.

It looks like a HAMMER mount on /mnt, backed by a VN device  
(/dev/vn0s1a):

```
f_mntonname = "/mnt", '\0' <repeats 75 times>,  
f_mntfromname = "VROOT", '\0' <repeats 74 times>,  
  
vol_name = 0xe1c84080 "/dev/vn0s1a",
```

My guess is that your VN device is backed by a file over NFS  
and NFS errored out.

-Matt  
Matthew Dillon  
<[dillon@backplane.com](mailto:dillon@backplane.com)>

#### #2 - 01/08/2009 12:56 AM - rumcic

Matthew Dillon wrote:

Ah damn. In that case nevermind, I wonder what I was doing, hm.  
--  
Regards,  
Rumko

#### #3 - 01/08/2009 12:56 AM - corecode

Still shouldn't panic or something, no?

cheers  
simon

#### #4 - 01/08/2009 12:56 AM - rumcic

Simon 'corecode' Schubert wrote:

Well it would be lovely if it wouldn't panic, but at least I have a faint idea  
what caused it and will be more careful in the future.  
--  
Regards,  
Rumko

#### #5 - 01/08/2009 12:56 AM - dillon

:Well it would be lovely if it wouldn't panic, but at least I have a faint idea  
:what caused it and will be more careful in the future.  
:--  
:Regards,  
:Rumko

Various error paths would have to be added to the transaction API  
to allow it to return an error and abort the sequence, instead  
of panicing there. I'd rather not mess with it now but I guess we  
will want to deal with it at some point in the futue.

-Matt  
Matthew Dillon  
<[dillon@backplane.com](mailto:dillon@backplane.com)>

#### #6 - 04/02/2010 11:07 PM - alexh

Matt,

is this fixed properly now?

Cheers,  
Alex Hornung

**#7 - 01/19/2015 03:49 AM - tuxillo**

- *Description updated*
- *Category set to VFS subsystem*
- *Status changed from New to In Progress*
- *Assignee deleted (0)*
- *Target version set to 4.2.x*

Hi,

Is there a way to reproduce this?

Cheers,  
Antonio Huete