I created a linux vm on qemu with nfs shared from Dragonfly. Reason being so I could install the go-app-engine for google cloud. Could read/write small files to the nfs share. But running google-cloud-sdk/install.sh from the vm on the nfs share quickly causes this error:

```plaintext
panic: assertion "m->m_type == MT_DATA" failed in m_dup_data at /usr/src/sys/kern/uipc_mbuf.c:1820
cpuid = 1
Trace beginning at frame 0xfffff802f71bf500
m_dup_data() at m_dup_data+0x12b 0xffffffff805e8a7b
mDupData() at m_dup_data+0x12b 0xffffffff805e8a7b
nfs_realign.isra.3() at nfs_realign.isra.3+0x48 0xffffffff807177c8
nfsrv_rcv() at nfsrv_rcv+0x490 0xffffffff8071c110
sys_nfssvc() at sys_nfssvc+0x13e7 0xffffffff8071fc7
syscall2() at syscall2+0x238 0xffffffff8098c0d8
```

I've switched from nfsd to unfsd, and that works fine. Though it took me a day of fiddling for unfsd, just because I didn't know not to run it with mountd. Hehe, such is life :) 

Sorry, I'm sure it would take me many multiple months of work to think of supplying a patch for this bug

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Tomorrow Will Never Die

#2 - 01/28/2019 04:32 AM - tse

- File core.txt.3 added

There's also the vmcore.3, which I can host somewhere.

And an unrelated warning I get occasionally, but didn't think it was worth opening an issue for:
Jan 27 09:39:08 beloved root: Unknown USB device: vendor 0x8087 product 0x07dc bus uhub0
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...
Jan 28 08:57:14 beloved root: Unknown USB device: vendor 0x8087 product 0x07dc bus uhub0
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#3 - 01/28/2019 05:08 PM - sepherosa

Please upload vmcore and kernel file somewhere.

Thanks,
sephe

On Mon, Jan 28, 2019 at 8:32 PM <bugtracker-admin@leaf.dragonflybsd.org> wrote:
>
> Issue #3170 has been updated by tse.
> >
> There's also the vmcore.3, which I can host somewhere.
> >
> And an unrelated warning I get occasionally, but didn't think it was worth opening an issue for:
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> Jan 28 08:57:14 beloved root: Unknown USB device: vendor 0x8087 product 0x07dc bus uhub0
> >
> Bug #3170: repeatable nfsd crash
> http://bugs.dragonflybsd.org/issues/3170#change-13593
> >
> * Author: tse
> * Status: New
> * Priority: Normal
> * Assignee:
> * Category:
> * Target version: Latest stable
> >
> I created a linux vm on qemu with nfs shared from Dragonfly. Reason being so I could install the go-app-engine for google cloud. Could read/write
> small files to the nfs share. But running google-cloud-sdk/install.sh from the vm on the nfs share quickly causes this error:
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---Files--------------------------------
core.txt.3 (296 KB)

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#4 - 01/29/2019 10:48 AM - tse
Should have vmcore.3 & kern.3
https://gitlab.com/gratis/dfly/-/archive/master/dfly-master.tar.gz

#5 - 01/29/2019 08:02 PM - dillon
Hmm.. Ok, you can delete vmcore.3 and kern.3, we've downloaded it. Unfortunately it looks like the core dump was corrupt. It unpacked as follows:
- rw-r--r-- 1 2024 wheel 118793728 Jan 29 08:11 kern.3
- rw-r--r-- 1 2024 wheel 1849134952 Jan 29 08:11 vmcore.3

If those sizes are correct then it might have generated a corrupt core dump. It might be possible to try again and the next core dump winds up being ok, but sometimes when core dumps get corrupted like this the same corruption occurs on each crash.

You can test the generated core yourself. If it is sitting in /var/crash you can do:

kgdb -n 3

and then use the 'back' command to get a stack trace, assuming it doesn't crap out. If it says 'cannot access memory at address 0x10', then the original core was corrupt. You can try causing another panic and generating another core. Definitely make sure you have enough room to store the core, they can get pretty big.

Sephe and I couldn't find anything looking at the source code so at the moment we don't know what could have caused that assertion to occur.

-Matt

#6 - 02/01/2019 07:24 AM - tse
Thanks guys,
https://drive.google.com/open?id=1u-dD43h35OaNO2NVPBUXi6mPOHChxJlF
https://drive.google.com/open?id=1yWEM3sDTLI18E-z2UgdXNCYdfrwdQaK

Hopefully these will work. Seems not corrupt, but also no stacktrace. The crash also happens when just unpacking the google sdk tar onto the nfs share (when doing it from within linux on qemu)

#7 - 03/19/2019 10:16 PM - dillon
Ugh. somehow lost track of this one. Lets try a different approach... this was a NFS mount to a linux client ? Which linux dist? And any particular mount arguments? I can try to replicate the crash by exporting to a linux client and doing stuff.

-Matt

#8 - 03/20/2019 10:47 AM - samuel
# /etc/rc.conf
rpcbind_enable="YES"
mountd_enable="YES"
nfs_server_enable="YES"
nfs_server_flags="-u -t -n 1"
mountd_flags="-r -n"

# /etc/exports
/share/linux -mapall=tse:wheel -network 127.0.0.1 -mask 255.255.255.0
qemu-system-x86_64 \
-cpu max -smp 4 -m 2048 \
-drive file=snapshot.qcow2,format=qcow2 \
-M q35 -usb -device usb-host,hostbus=4,hostport=3 \
-netdev user,id=net0,net=10.0.2.25,hostfwd=tcp::2222-:22 \
-device e1000,netdev=net0 \
-device virtio-rng-pci \
-soundhw hda

snapshot.qcow2 is an ubuntu image. I think it was the latest.img from here: https://cloud-images.ubuntu.com/cosmic/current/

I rebooted the vm with those settings. Doing `cat /dev/urandom > rand.txt` did not cause the crash, but `tar -xf 25MB.tar.gz` quickly did

The .gz was google-cloud-sdk-231.0.0-linux-x86_64.tar.gz

On Wed, 20 Mar 2019 at 05:16, <bugtracker-admin@leaf.dragonflybsd.org> wrote:

> Issue #3170 has been updated by dillon.
> >
> > I created a linux vm on qemu with nfs shared from Dragonfly. Reason being
> > so I could install the go-app-engine for google cloud. Could read/write
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<td>tse</td>
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