

Re: kld regression

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2008-01/msg00805.html>

- *From:* Andriy Gapon <avg@xxxxxxxxxxxx>
 - *Date:* Thu, 31 Jan 2008 20:00:43 +0200
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on 31/01/2008 18:52 John Baldwin said the following:

On Thursday 31 January 2008 10:05:57 am Andriy Gapon wrote:

on 31/01/2008 14:39 Andriy Gapon said the following:

on 31/01/2008 13:07 John Baldwin said the following:

On Wednesday 30 January 2008 12:39:14 pm Andriy Gapon wrote:

The problem is as follows:

1. put `udf_load="YES"` in `loader.conf`
2. you can mount and unmount udf filesystems
3. you can `kldunload udf` if no udf filesystems are mounted
4. now mount udf fs while `udf.ko` is unloaded
5. udf is auto loaded and fs is mounted
6. unmount fs
7. try to `kldunload udf`
`kldunload: can't unload file:`
`Device busy`
`kernel message: kldunload:`
`attempt to unload file that`
`was loaded by the`
`kernel`

Yeah, it was loaded by kernel indeed, but WTF – what is the difference from `manual/loader.conf` loading and why I can not manage my modules as I wish?

Re: kld regression

Hmm, the relevant code (vfs_init.c) hasn't changed in 6.x since 6.0.

There

were some changes in 7.0, but this should work in both branches. What is

the

previous release that this worked on?

Maybe I was wrong when I called this regression, but this was very surprising behavior for me. And in 5.X I did a lot of udf debugging/experimenting and never encountered such a problem. Maybe I always did kldload before mount, I can't tell now. Anyway, this seems like an annoyance at the very least, pinning a kernel module without any important reasons.

Hmm, I found one difference with previous setups: in step 1 I also have udf_iconv_load="YES" and udf_iconv.ko module is what seems to prevent udf.ko from unloading in step 7. I can actually unload udf_iconv and then I am able again to unload udf.

Still don't understand what is a big difference here.

And if I had UDF_ICONV built into kernel then I wouldn't have this work-around.

Ah, I don't think we can safely unload modules loaded from the loader IIRC.

John,

maybe there is a small misunderstanding:

1. udf.ko and udf_iconv.ko are both loaded by loader – I *can* unload udf.ko
2. udf_iconv.ko is loaded by loader but udf.ko is auto-loaded (by whatever) when I do mount_udf – I can not unload udf.ko unless I unload udf_iconv.ko.

This is inconsistent and there is no obvious reason for things being this way.

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Andriy Gapon

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