

Re: kldunload DIAGNOSTIC idea...

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2004-07/0089.html>

From: Doug Rabson (dfr_at_nlsystems.com)

Date: 07/21/04

To: Poul-Henning Kamp <phk@phk.freebsd.dk>

Date: Wed, 21 Jul 2004 11:37:50 +0100

On Wed, 2004-07-21 at 10:21, Poul-Henning Kamp wrote:

> In message <200407211010.08159.dfr@nlsystems.com>, Doug Rabson writes:

>

> >The original intention was that drivers use the

> >device_busy()/device_unbusy() counter to handle these things. In some

> >cases, just calling device_busy() from fooopen() and device_unbusy()

> >from fooclose() is sufficient.

>

> That is not enough. All methods in cdevsw, and things not in cdevsw

> (clone handlers, call backs, etc etc) needs to refcount.

>

> I have a lot of this working in a tree here, and will commit it once

> I have gone over it a few more times.

Methods in cdevsw which can't be called unless the device is opened can rely on a single counter managed by open/close in most cases. Other callbacks may or may not need extra handling depending on whether or not the callback can persist past close.

Will you use the existing device_busy() counter or will each driver use its own counter?

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