Subject: Re: [PATCH] kthread: saa7134-tvaudio.c
Posted by ebiederm on Tue, 29 Aug 2006 22:39:53 GMT
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Andrew Morton <akpm@osdl.org> writes:

> So in general, yes, the driver should be converted to the kthread API -
> this is a requirement for virtualisation, but I forget why, and that's the
> "standard" way of doing it.

With the kthread api new kernel threads are started as children of keventd
in well defined circumstances. If you don't do this kernel threads
can wind up sharing weird parts of a parent process's resources and
locking resources in the kernel long past the time when they are
actually used by anything a user space process can kill.

We have actually witnessed this problem with the kernels filesystem mount
namespace. Mostly daemonize in the kernel unshares everything that
could be a problem but the problem is sufficiently subtle it makes
more sense to the change kernel threads. So these weird and subtle
dependencies go away.

So in essence the container work needs the new kthread api for the
same reasons everyone else does it is just more pronounced in that
case.

Eric

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