
Subject: Re: Re: [PATCH] bluetooth bnep: Convert to kthread API.
Posted by [Satyam Sharma](#) on Sat, 21 Apr 2007 16:11:28 GMT
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Hello,

On 4/20/07, Cedric Le Goater <clg@fr.ibm.com> wrote:

> Cedric Le Goater wrote:

> > Andrew Morton wrote:

> >> On Thu, 19 Apr 2007 01:58:51 -0600

> >> "Eric W. Biederman" <ebiederm@xmission.com> wrote:

> >>>

> >>>

> >>> + task = kthread_run(bnep_session, s, "kbnepd %s", dev->name);

> >> It's unusual to have a kernel thread which has a space in its name. That

> >> could trip up insufficient-defensive userspace tools.

But all kernel threads are supposed to be only **in-kernel** implementation details. Isn't a userspace tool whose behaviour relies on the existence (or even the knowledge of the existence) of any kernel thread **broken by design**?

> > but we can't just change it, can we ? i could be used by a user space tool
> > to check if the thread is running.

Yes, so although userspace shouldn't be bothering with kernel threads in the first place, that does not mean that such tools do not exist. So we'll have to live with this (unfortunate) naming for some time, till we can get rid of it later.

Which is similar to the habit of some kernel threads in there that actually **do** want to export the knowledge of their existence (and even a signals-based interface!) to userspace. Eric did receive some nacks on his patches that tried to remove the signals business from kernel threads on this account, but perhaps that too is something that we could get rid of later (hopefully by that time those using signals in kernel threads would have realized their folly and shifted to something else :-)

Satyam
