
Subject: Re: [Lxc-devel] [RFC] [PATCH] pidspace: is_init()
Posted by [ebiederm](#) on Wed, 09 Aug 2006 08:01:47 GMT
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Sukadev Bhattiprolu <sukadev@us.ibm.com> writes:

> This is an updated version of Eric Biederman's is_init() patch.
> (<http://lkml.org/lkml/2006/2/6/280>). It applies cleanly to 2.6.18-rc2
> and replaces a few more instances of ->pid == 1 with is_init().
>
> Further, is_init() checks pid and thus removes dependency on Eric's
> other patches for now.

Sorry for the delay. I've been catching up on other things before
I dived back in.

> Couple of questions:
>
> Are there cases where child_reaper is not pid = 1. Should the
> "tsk == child_reaper" check in do_exit() be replaced with is_init() ?

There are cases where there are multiple child_reapers.
So is_init() is not the right test there.

There is a really weird case when you have a threaded init and the primary
thread exits where things get weird. As I recall there wind up being two
tasks with tgid == 1 and pid == 1. So simply testing the pid is not
sufficient.

> Looks like, we would need a similar, is_idle() wrapper for "pid==0"
> checks - although the name is_idle_task() maybe more intuitive. If
> so, should we rename is_init() to is_init_task() ?

Whatever works. I'm not too particular as long as the important bits happen.
However pid == 0 only ever lives in the root pspace and never shows up in
the pid hash tables so we can get away without a special check.

Eric

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