
Subject: Re: [RFC][PATCH 06/16] Define is_global_init()

Posted by [xemul](#) on Thu, 24 May 2007 09:24:54 GMT

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sukadev@us.ibm.com wrote:

> Pavel Emelianov [xemul@sw.ru] wrote:

> | > Index: lx26-21-mm2/kernel/pid.c

> | > =====

> | > --- lx26-21-mm2.orig/kernel/pid.c 2007-05-22 16:59:34.000000000 -0700

> | > +++ lx26-21-mm2/kernel/pid.c 2007-05-22 16:59:46.000000000 -0700

> | > @@ -71,6 +71,27 @@ struct pid_namespace init_pid_ns = {

> | > .child_reaper = &init_task

> | > };

> | >

> | > +

> | > +/**

> | > + * is_global_init - check if a task structure is init

> | > + * @tsk: Task structure to be checked.

> | > + *

> | > + * Check if a task structure is the first user space task the kernel created.

> | > + */

> | > +int is_global_init(struct task_struct *tsk)

> | > +{

> | > + return (task_active_pid_ns(tsk) == &init_pid_ns && tsk->pid == 1);

> |

> | This can OOPS if you pass arbitrary task to this call...

> | tsk->nsproxy can already be NULL.

>

> Hmm. You are right. btw, this could be a bisect issue. Patch 9 of uses

> pid_ns from pid->upid_list and removes nsproxy->pid_ns.

Yes, but that patch is not good either.

task_pid(tsk) may become NULL as well and this will oops.

> |

> | > +}

> | > +

> | > +/**

> | > + * is_container_init:

> | > + * check whether in the task is init in it's own pid namespace.

> | > + */

> | > +int is_container_init(struct task_struct *tsk)

> | > +{

> | > + return tsk->pid == 1;

> | > +}

> | > +

> | > +/*

> | > * Note: disable interrupts while the pidmap_lock is held as an

```
> | > * interrupt might come in and do read_lock(&tasklist_lock).
> | > _____
> | > Containers mailing list
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> | >
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