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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
> | > Containers@lists.linux-foundation.org
> | > https://lists.linux-foundation.org/mailman/listinfo/containers
> | >
> | > _____
> | > Devel mailing list
> | > Devel@openvz.org
> | > https://openvz.org/mailman/listinfo/devel
> | >
>
```

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