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Subject: Re: [PATCH][usercr]: Ghost tasks must be detached

Posted by [Louis Rilling](#) on Thu, 10 Feb 2011 10:23:12 GMT

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On 09/02/11 11:02 -0800, Sukadev Bhattiprolu wrote:

> Louis Rilling [Louis.Rilling@kerlabs.com] wrote:

> | > | Are we still getting it with 2.6.37 ?

> | >

> | > I am not currently getting the crash on 2.6.37 - I thought it was due to

> | > the following commit which removed the check for task\_detached() in

> | > do\_wait\_thread().

> | >

> | > commit 9cd80bbb07fcd6d4d037fad4297496d3b132ac6b

> | > Author: Oleg Nesterov <oleg@redhat.com>

> | > Date: Thu Dec 17 15:27:15 2009 -0800

> |

> | I don't think that this introduced the bug. The bug triggers with EXIT\_DEAD

> | tasks, for which wait() must ignore (see below). So, the bug looks still there

> | in 2.6.37.

>

> Sorry, I did not mean to imply that the above commit caused the crash

> you saw in Jun 2010.

>

> I can reproduce a crash with 2.6.32 - where if container-init terminates

> before a detached child, we get a crash when the detached child calls

> proc\_flush\_mnt(). I suspected it was because do\_wait\_thread() skipped

> over detached tasks (in 2.6.32).

>

> The same test case does not crash on 2.6.37 - which includes the above commit.

> The removes the check for detached tasks, my initial guess is that the above

> commit, may have contributed to \_fixing\_ the crash in 2.6.37.

Hm, I don't see how this commit changed things for detached tasks, unless ptrace

is involved. Detached tasks go atomically

from ->exit\_state == 0 to ->exit\_state == EXIT\_DEAD in exit\_notify(),

because tracehook\_notify\_death() returns DEATH\_REAP for all not ptraced detached tasks.

What do you think has changed precisely?

Thanks,

Louis

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