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Subject: Re: [RFC][PATCH] Add child reaper to struct pspace  
Posted by [Herbert Poetzl](#) on Thu, 07 Sep 2006 15:41:54 GMT  
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On Thu, Sep 07, 2006 at 04:25:41PM +0400, Kirill Korotaev wrote:

> Sukadev Bhattiprolu wrote:

>

> [...skip...]

>

> > @@ -857,7 +858,7 @@ fastcall NORET\_TYPE void do\_exit(long co

> > panic("Aiee, killing interrupt handler!");

> > if (unlikely(!tsk->pid))

> > panic("Attempted to kill the idle task!");

> > - if (unlikely(tsk == child\_reaper))

> > + if (unlikely(tsk == tsk->pspace->child\_reaper))

> > panic("Attempted to kill init!");

> this panic is wrong here.

>

> My HO is that termination of init task

> should terminate all the other tasks in pspace.

well, this is one way to handle it, another way  
(also implemented in Linux-VServer) is to switch  
to the 'main' child\_reaper of the host context  
and/or to allow to select/start a new reaper  
inside the guest, still another option (which I  
do not really favor) is to have a kernel thread  
which poses as reaper inside the guest (either  
once init is gone or in general)

the problem I see here is that once the guest  
child\_reaper (note: this is not necessary the  
init process, but let's assume it is for now :)  
terminates, it will not be able to do the reaping  
at all, so terminating the other guest processes  
might not be as simple as it sounds ....

> Otherwise you have to select some one else to be child\_reaper  
> and actually there is no good choice here as no one except init  
> is going to wait() for children.

except for the host/master init :)

best,  
Herbert

> p.s. can you enumerate these patches please?  
> since I failed to find where struct pspace was introduced...

> imho in previous patch set? was that patch set already committed to -mm?

>

> Thanks,

> Kirill

>

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> Containers mailing list

> Containers@lists.osdl.org

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