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Subject: Re: [RFC][PATCH] Add child reaper to struct pspace  
Posted by [serue](#) on Fri, 08 Sep 2006 14:36:08 GMT  
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Quoting Eric W. Biederman (ebiederm@xmission.com):

> "Serge E. Hallyn" <serue@us.ibm.com> writes:  
>  
> > Quoting Eric W. Biederman (ebiederm@xmission.com):  
> >> Yes. We all so need something like that list to support kill -1.  
> >> Although walking the list of all processes may be sufficient for a first  
> >> pass.  
> >>  
> >> The real trick is handing nested pid namespaces, properly.  
> >  
> > Not if, as you've suggested in the past, pid\_ns 5 has valid pids in its  
> > own pid\_ns for every process in pid\_namespaces nested under it.  
> >  
> > It should be simple to implement, should not impact the non-container  
> > cases, and should only start to impact performance as the nesting gets  
> > deep, which AFAIK we all believe won't happen (max nesting of 2 AFAICS,  
> > one checkpointable application container under one vserver-thingie)  
> >  
> > And it makes kill -1 trivial, as in pid\_ns 5 we just kill all processes  
> > in pid\_ns 5, without worrying about finding the ones in it's decendent  
> > pid namespaces.  
>  
> If you do it correctly I agree. But you have to be very careful where  
> you put the list.  
>  
> My point being not that we can't get this correct with simple code, but  
> that it is easy to get it wrong.

True.

I should think the list has to go into the struct pid, not the task\_struct. There is one struct pid per (pid\_ns, pid), so we can keep just one simple list to walk the pid\_ns processes. If we were to put it in the task\_struct, well there's really no clean way to go about it then :)

thanks,  
-serge

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Containers mailing list  
Containers@lists.osdl.org  
<https://lists.osdl.org/mailman/listinfo/containers>

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