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Subject: Re: Re: [PATCH] allow a task to join a pid namespace  
Posted by [Daniel Lezcano](#) on Tue, 05 Jun 2012 12:52:17 GMT  
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On 06/05/2012 12:00 PM, Glauber Costa wrote:  
> On 06/05/2012 01:37 PM, Glauber Costa wrote:  
>> On 06/05/2012 01:36 PM, Daniel Lezcano wrote:  
>>> On 06/04/2012 03:33 PM, Glauber Costa wrote:  
>>>> Currently, it is possible for a process to join existing  
>>>> net, uts and ipc namespaces. This patch allows a process to join an  
>>>> existing pid namespace as well.  
>>>>  
>>>> For that to remain sane, some restrictions are made in the calling  
>>>> process:  
>>>>  
>>>> \* It needs to be in the parent namespace of the namespace it wants to  
>>>> jump to  
>>>> \* It needs to sit in its own session and group as a leader.  
>>>>  
>>>> The rationale for that, is that people want to trigger actions in a  
>>>> Container  
>>>> from the outside. For instance, mainstream linux recently gained the  
>>>> ability  
>>>> to safely reboot a container. It would be desirable, however, that  
>>>> this  
>>>> action is triggered from an admin in the outside world, very much  
>>>> like a  
>>>> power switch in a physical box.  
>>>>  
>>>> This would also allow us to connect a console to the container,  
>>>> provide a  
>>>> repair mode for setups without networking (or with a broken one), etc.  
>>>  
>>> Hi Glauber,  
>>>  
>>> I am in favor of this patch but I think the pidns support won't be  
>>> complete and some corner-cases are not handled.  
>>>  
>>> May be you can look at Eric's patchset [1] where, IMO, everything is  
>>> taken into account. Some of the patches may be already upstream.  
>>>  
>>> Thanks  
>>> -- Daniel  
>>  
>> I don't remember seeing such patchset in the mailing lists, but that  
>> might be my fault, due to traffic...  
>>  
>> I'll take a look. If it does what I need, I can just drop this.

>>  
>  
> Ok. In a quick look, it does not seem to go all the way. This is just  
> by reading, but your reboot patch, for instance, is unlikely to work  
> with that, since if it doesn't alter pid->level, things like task  
> ns\_of\_pid won't work.  
>  
> Running the test scripts I wrote for my testing of that patch also  
> doesn't seem to produce the expected result:  
>  
> after doing setns, the pid won't show up in that namespace.

Yes, AFAIR, pid won't show up, you have to do fork-exec.

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