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Subject: Re: NFS causing oops when freeing namespace

Posted by [ebiederm](#) on Thu, 18 Jan 2007 04:46:15 GMT

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Oleg Nesterov <[oleg@tv-sign.ru](mailto:oleg@tv-sign.ru)> writes:

> On 01/17, Eric W. Biederman wrote:

>>

>> Cedric Le Goater <[clg@fr.ibm.com](mailto:clg@fr.ibm.com)> writes:

>> >

>> > your first analysis was correct : `exit_task_namespaces()` should be moved

>> > above `exit_notify(tsk)`. It will require some extra fixes for `nsproxy`

>> > though.

>>

>> I think the only issue is the `child_reaper` and currently we only have one of  
>> those. When we really do the pid namespace we are going to have to revisit  
>> this. My gut feel says that we won't be able to exit our pid namespace until  
>> the process is waited on. So we may need to break up `exit_task_namespace` into  
>> individual components.

>

> I agree, but please note that the `child_reaper` is not the only issue.

To be clear I believe the only issue keeping us from moving `exit_namespaces`  
back where it used to be is the child reaper as that is the only part of  
the pid namespace that has been implemented.

There is more when we revisit this.

> Think

> about sub-thread which auto-reaps itself. I'd suggest to add the comment in

> `do_exit()` after `exit_notify()` to remind that the task is really dead now, it

> has no `->signal`, it can't be seen in `/proc/`, we can't send a signal to it, etc.

A very interesting case is what happens when we reparent a zombie. I think  
that needs the child reaper and it happens well after `exit_namespaces` is currently  
being called.

In the very stupid test we need our struct pid that identifies the process until  
we are reaped. Therefore our pid namespace must continue to exist, even if we  
don't keep a pointer to it in struct `nsproxy`.

A comment after `exit_notify` would certainly be useful.

Eric

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Containers mailing list

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