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Subject: Re: [PATCH 1/13] Round up the API  
Posted by [serue](#) on Fri, 25 May 2007 13:02:30 GMT  
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Quoting Pavel Emelianov (xemul@openvz.org):

> Serge E. Hallyn wrote:

> > Quoting Eric W. Biederman (ebiederm@xmission.com):

> > > "Serge E. Hallyn" <serue@us.ibm.com> writes:

> > >

> > > > Quoting Pavel Emelianov (xemul@openvz.org):

> > > > > The set of functions process\_session, task\_session, process\_group

> > > > > and task\_pgrp is confusing, as the names can be mixed with each other

> > > > > when looking at the code for a long time.

> > > > >

> > > > > The proposals are to

> > > > > \* equip the functions that return the integer with \_nr suffix to

> > > > > represent that fact,

> > > > > \* and to make all functions work with task (not process) by making

> > > > > the common prefix of the same name.

> > > > >

> > > > > For monotony the routines signal\_session() and set\_signal\_session()

> > > > > are replaced with task\_session\_nr() and set\_task\_session(), especially

> > > > > since they are only used with the explicit task->signal dereference.

> > > > >

> > > > > I've sent this before, but Andrew didn't include it, so I resend it

> > > > > as the part of this set.

> > > > >

> > > > > Signed-off-by: Pavel Emelianov <xemul@openvz.org>

> > > > > Aacked-by: Serge E. Hallyn <serue@us.ibm.com>

> > > > > Yup, I still like this patch.

> > > I'm borderline. Less error prone interfaces sound good, less

> > > duplication of information sounds good. Changing the names of

> > > historical function may be change for the sake of change and

> > > thus noise.

> > >

> > > However if we are going to go this far I think we need to remove

> > > the numeric pid cache from the task\_struct.

> > >

> > > You mean tsk->pid?

> > >

> > > I agree, especially in Suka's version. Not sure it applies to Pavel's

> > > version, though since the "real"/global pid is still stored only in

> > > tsk->pid, right?

> > >

> > > No. All objects that have pid (task\_struct, signal\_struct and pid (struct))

> > > have two ids after this patch - virtual one and global one.

(Yes, so wouldn't removing task->pid be pretty detrimental?)

Could you outline how you would extend this to 3 levels? Would you just add a 'vpid2' etc to the struct pid?

thanks,  
-serge

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