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Subject: Re: [PATCH, v6 2/3] Implement timer slack notifier chain  
Posted by [Kirill A. Shutemov](#) on Mon, 14 Feb 2011 14:52:44 GMT  
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On Mon, Feb 14, 2011 at 02:32:23PM +0100, Thomas Gleixner wrote:

> On Mon, 14 Feb 2011, Kirill A. Shutemov wrote:

>

> > From: Kirill A. Shutemov <[kirill@shutemov.name](mailto:kirill@shutemov.name)>

> >

> > Process can change its timer slack using prctl(). Timer slack notifier

> > call chain allows to react on such change or forbid it.

>

> So we add a notifier call chain and more exports to allow what ?

To allow the cgroup controller validate the value.

> > --- a/kernel/sys.c

> > +++ b/kernel/sys.c

> > @@ -1691,15 +1691,10 @@ SYSCALL\_DEFINE5(prctl, int, option, unsigned long, arg2,  
unsigned long, arg3,

> > error = perf\_event\_task\_enable();

> > break;

> > case PR\_GET\_TIMERSLACK:

> > - error = current->timer\_slack\_ns;

> > + error = prctl\_get\_timer\_slack();

>

> What's the point of replacing current->timer\_slack\_ns with a

> function which does exactly the same ?

To keep it consistent. BTW, prctl\_get\_seccomp() does the same.

>

> > +long prctl\_set\_timer\_slack(long timer\_slack\_ns)

> > +{

> > + int err;

> > +

> > + /\* Reset timer slack to default value \*/

> > + if (timer\_slack\_ns <= 0) {

> > + current->timer\_slack\_ns = current->default\_timer\_slack\_ns;

> > + return 0;

>

> That does not make any sense at all. Why is setting

> default\_timer\_slack\_ns not subject to validation ?

Hm.. In case of cgroup\_timer\_slack it's always valid.

But, yes, in general, we should validate it.

> Why is it treaded seperately ?

What do you mean?

```
> > + }  
> > +  
> > + err = blocking_notifier_call_chain(&timer_slack_notify_list,  
> > + timer_slack_ns, NULL);  
> > + if (err == NOTIFY_DONE)  
> > + current->timer_slack_ns = timer_slack_ns;  
> > +  
> > + return notifier_to_errno(err);  
>  
> Thanks,  
>  
> tglx
```

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Kirill A. Shutemov

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Containers mailing list  
Containers@lists.linux-foundation.org  
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