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Subject: Re: [RFC][PATCH 2/3] Signal semantics for /sbin/init  
Posted by [Sukadev Bhattiprolu](#) on Thu, 30 Aug 2007 07:11:44 GMT  
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Oleg Nesterov [oleg@tv-sign.ru] wrote:

| On 08/29, sukadev@us.ibm.com wrote:

| >  
| > --- 2.6.23-rc3-mm1.orig/kernel/signal.c 2007-08-29 22:53:20.000000000 -0700  
| > +++ 2.6.23-rc3-mm1/kernel/signal.c 2007-08-29 23:10:16.000000000 -0700  
| > @@ -26,6 +26,7 @@  
| > #include <linux/freezer.h>  
| > #include <linux/pid\_namespace.h>  
| > #include <linux/nsproxy.h>  
| > +#include <linux/hardirq.h>  
| >  
| > #include <asm/param.h>  
| > #include <asm/uaccess.h>  
| > @@ -39,11 +40,42 @@  
| >  
| > static struct kmem\_cache \*sigqueue\_cachep;  
| >  
| > +static int sig\_init\_ignore(struct task\_struct \*tsk)  
| > +{  
| >  
| > -static int sig\_ignored(struct task\_struct \*t, int sig)  
| > + // Currently this check is a bit racy with exec(),  
| > + // we can \_simplify\_ de\_thread and close the race.  
| > + if (likely(!is\_container\_init(tsk->group\_leader)))  
| > + return 0;  
| > +  
| > + /\*  
| > + \* If signal is from an ancestor pid namespace, do not  
| > + \* ignore the signal.  
| > + \*/  
| > + if (task\_ancestor\_pid\_ns(current, tsk))  
| > + return 0;  
| > +

| This patch was intended as a fix for the current behaviour, and a preparation  
| for the pid\_ns requirements. If possible, it should go ahead of all other  
| pid\_ns changes, imho.

| In any case, we shouldn't mix all this in one patch.

| If there are no objections to this approach, I'll re-send the patch on weekend.

Yes I think your patch looks good. I will apply the other two patches on top  
of this.

```
|> @@ -2320,6 +2346,13 @@ int do_sigaction(int sig, struct k_sigac
|> k = &current->sigband->action[sig-1];
|>
|> spin_lock_irq(&current->sigband->siglock);
|> +
|> + if (current->signal->flags & SIGNAL_GROUP_EXIT) {
|> + spin_unlock_irq(&current->sigband->siglock);
|> + /* The return value doesn't matter, SIGKILL is pending */
|> + return -EINTR;
|> + }
```

| This is not needed. Please look at

| <http://marc.info/?l=linux-kernel&m=118763989718143>

| I specially removed this chunk in a separate patch, no need to re-introduce.

Sorry I missed that. I will remove it.

Thanks,

Suka

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