
Subject: Re: [RFC][PATCH 2/3] Signal semantics for /sbin/init
Posted by [Oleg Nesterov](#) on Thu, 30 Aug 2007 07:00:32 GMT
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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_cache;
>
> +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.

```
> @@ -2320,6 +2346,13 @@ int do_sigaction(int sig, struct k_sigac
> k = &current->sighand->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.

Oleg.

Containers mailing list
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<https://lists.linux-foundation.org/mailman/listinfo/containers>
