
Subject: Re: [RFC][PATCH] Cleanup the new thread's creation
Posted by [Oleg Nesterov](#) on Sat, 25 Aug 2007 16:50:31 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 08/24, Pavel Emelyanov wrote:

>
> The major differences of creating a new thread from creating a
> new process is that
>
> 1. newbie's tgid is set to leader's
> 2. newbie's leader is set to leader
> 3. newbie is added to leader's thread_list

(Surely, there are many other major differences, but from the pids virtualization
POV - yes ;)

```
> +static void setup_new_thread(struct task_struct *thr, struct task_struct  
> *leader)  
> +{  
> + thr->tgid = leader->tgid;  
> + thr->group_leader = leader;  
> + list_add_tail_rcu(&thr->thread_group, &leader->thread_group);  
> +}
```

Imho, this name is a bit "too generic". Not that I can suggest something
better... copy_sub_thread/copy_group_leader ?

```
> @@ -1147,9 +1161,6 @@ static struct task_struct *copy_process(  
> }  
>  
> p->pid = pid_nr(pid);  
> - p->tgid = p->pid;  
> - if (clone_flags & CLONE_THREAD)  
> - p->tgid = current->tgid;
```

I agree, it is absolutely not clear why should we set ->tgid here, and it
would be nice to consolidate "if (CLONE_THREAD)" checks, but do we really
need the helpers above? There are very simple, and have the only one caller.
Sometimes it is good to see what's going on without pressing C-]

Not that I am against this patch, just I'm not sure it really simplifies things.
Perhaps I missed something else you have in mind.

Oleg.

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

