Subject: Re: [RFC][PATCH] Cleanup the new thread's creation
Posted by Oleg Nesterov on Sat, 25 Aug 2007 16:50:31 GMT
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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, the 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 absoulutely 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 against this patch, just I'm not sure it really simplifies things.
Perhaps I missed something else you have in mind.

Oleg.

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