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-1
Not that I against this patch, just I'm not sure it really simplifies things.
Perhaps I missed something else you have in mind.
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Oleg.

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