Subject: Re: [PATCH 1/6] Define and use task_active_pid_ns() wrapper Posted by Sukadev Bhattiprolu on Fri, 13 Jul 2007 06:03:17 GMT

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Pavel Emelianov [xemul@openvz.org] wrote:
sukadev@us.ibm.com wrote:
 > Subject: [PATCH 1/6] Define and use task_active_pid_ns() wrapper
 > From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
 > With multiple pid namespaces, a process is known by some pid_t in
 > every ancestor pid namespace. Every time the process forks, the
 > child process also gets a pid_t in every ancestor pid namespace.
 > While a process is visible in >=1 pid namespaces, it can see pid_t's
 > in only one pid namespace. We call this pid namespace it's "active
 > pid namespace", and it is always the youngest pid namespace in which
 > the process is known.
 >
 > This patch defines and uses a wrapper to find the active pid namespace
 > of a process. The implementation of the wrapper will be changed in
 > when support for multiple pid namespaces are added.
 >
 > Changelog:
 > 2.6.22-rc4-mm2-pidns1:
 > - [Pavel Emelianov, Alexey Dobriyan] Back out the change to use
    task_active_pid_ns() in child_reaper() since task->nsproxy
    can be NULL during task exit (so child reaper() continues to
    use init pid ns).
 >
 >
    to implement child reaper() since init pid ns.child reaper to
    implement child_reaper() since tsk->nsproxy can be NULL during exit.
 >
 >
 > 2.6.21-rc6-mm1:
 > - Rename task_pid_ns() to task_active_pid_ns() to reflect that a
    process can have multiple pid namespaces.
 >
 > Signed-off-by: Sukadev Bhattiprolu <sukadev@us.ibm.com>
 Acked-by: Pavel Emelianov <xemul@openvz.org>
 But I'm not sure Andrew will like the construction like
 some_function()->xxx;
I used to do so in memory controller, but he asked to fix...
Hmm. I see this in the code:
```

rcu_dereference(p->real_parent)->tgid

Maybe rcu_deref is a spl case. Well, if Andrew complains, I will add local vars as needed. I think its easier to read with a wrapper than expanded out.

Thanks,

Suka

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