Subject: [PATCH 3/5] Use task_pid() to find leader's pid
Posted by Sukadev Bhattiprolu on Sun, 15 Jul 2007 04:57:30 GMT
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Subject: [PATCH 3/5] Use task_pid() to find leader's pid

From: Sukadev Bhattiprolu <sukadev@us.ibm.com>

Use task_pid() to get leader's pid since find_pid() cannot be used
after detach_pid(). See comments in the code below for more details.

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---
 fs/exec.c | 9 ++++++++-
 1 file changed, 8 insertions(+), 1 deletion(-)

Index: lx26-22-rc6-mm1/fs/exec.c
==========
--- lx26-22-rc6-mm1.orig/fs/exec.c 2007-07-13 13:12:01.000000000 -0700
+++ lx26-22-rc6-mm1/fs/exec.c 2007-07-13 13:12:13.000000000 -0700
@@ -905,10 +905,17 @@ static int de_thread(struct task_struct
   * The old leader becomes a thread of the this thread group.
   * Note: The old leader also uses this pid until release_task
   *   is called. Odd but simple and correct.
+ * Note: With multiple pid namespaces, active pid namespace of
+ *   a process is stored in its struct pid. The detach_pid
+ *   below frees the struct pid, so we will have no notion
+ *   of an active pid namespace until we complete the
+ *   subsequent attach_pid(). Which means - calls like
+ *   find_pid()/pid_to_nr() return NULL and cannot be used
+ *   between the detach_pid() and attach_pid() calls.
   */
  detach_pid(tsk, PIDTYPE_PID);
  tsk->pid = leader->pid;
- attach_pid(tsk, PIDTYPE_PID, find_pid(tsk->pid));
+ attach_pid(tsk, PIDTYPE_PID, task_pid(leader));
  transfer_pid(leader, tsk, PIDTYPE_PGID);
  transfer_pid(leader, tsk, PIDTYPE_SID);
  list_replace_rcu(&leader->tasks, &tsk->tasks);

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