Subject: [PATCH 05/17] Pid-NS(V3) Use task_pid() to find leaders pid
Posted by Sukadev Bhattiprolu on Sat, 16 Jun 2007 23:00:14 GMT
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Subject: [PATCH 05/17] Pid-NS(V3) Use task_pid() to find leaders 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.

Signed-off-by: Sukadev Bhattiprolu <sukadev@us.ibm.com>
---
 fs/exec.c | 9 ++++++++-
 1 file changed, 8 insertions(+), 1 deletion(-)

Index: lx26-22-rc4-mm2/fs/exec.c
==========
--- lx26-22-rc4-mm2.orig/fs/exec.c 2007-06-14 11:43:22.000000000 -0700
+++ lx26-22-rc4-mm2/fs/exec.c 2007-06-14 11:43:27.000000000 -0700
@@ -710,10 +710,17 @@ 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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