Subject: [PATCH 5/5] Use task_pgrp() task_session() in copy_process()
Posted by Sukadev Bhattiprolu on Thu, 01 Mar 2007 03:59:02 GMT
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From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
Subject: [PATCH 5/5] Use task_pgrp() task_session() in copy_process().

Use task_pgrp() and task_session() in copy_process(), and
avoid find_pid() call when attaching the task to its process
group and session.

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---
 kernel/fork.c | 9 +++------
 1 file changed, 3 insertions(+), 6 deletions(-)

Index: lx26-20-mm2c/kernel/fork.c
===
--- lx26-20-mm2c.orig/kernel/fork.c 2007-02-28 17:29:18.000000000 -0800
+++ lx26-20-mm2c/kernel/fork.c 2007-02-28 19:23:33.000000000 -0800
@@ -1253,14 +1253,11 @@ static struct task_struct *copy_process(
  tracehook_init_task(p);

  if (thread_group_leader(p)) {
- pid_t pgid = process_group(current);
- pid_t sid = process_session(current);
-
   p->signal->tty = current->signal->tty;
- p->signal->pgrp = pgid;
+ p->signal->pgrp = process_group(current);
   set_signal_session(p->signal, process_session(current));
- attach_pid(p, PIDTYPE_PGID, find_pid(pgid));
- attach_pid(p, PIDTYPE_SID, find_pid(sid));
+ attach_pid(p, PIDTYPE_PGID, task_pgrp(current));
+ attach_pid(p, PIDTYPE_SID, task_session(current));

   list_add_tail_rcu(&p->tasks, &init_task.tasks);
   __get_cpu_var(process_counts)++;

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