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Subject: [RFC][PATCH] Use task\_pgrp()/task\_session() in copy\_process

Posted by [Sukadev Bhattiprolu](#) on Thu, 11 Jan 2007 15:58:16 GMT

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I am trying to replace process\_group() and process\_session() calls in copy\_process() with task\_pgrp() and task\_session().

Since task\_pid() task\_pgrp(), task\_session() for the swapper are NULL, I had to treat swapper as special in this patch and would like some comments.

Should we instead do some magic in start\_kernel() so we don't have to treat swapper special or maybe move the check for pid\_t == 0 into task\_pgrp() / task\_session() ?

P.S: For find\_attach\_pid()/attach\_pid(), pls see my recent patches to Containers@ and LKML.

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From: Sukadev Bhattiprolu <[sukadev@us.ibm.com](mailto:sukadev@us.ibm.com)>

Replace process\_group() and process\_session() with container-friendly task\_pgrp() and task\_session().

Signed-off-by: Sukadev Bhattiprolu <[sukadev@us.ibm.com](mailto:sukadev@us.ibm.com)>

Cc: Cedric Le Goater <[cclg@fr.ibm.com](mailto:cclg@fr.ibm.com)>

Cc: Dave Hansen <[haveblue@us.ibm.com](mailto:haveblue@us.ibm.com)>

Cc: Serge Hallyn <[serue@us.ibm.com](mailto:serue@us.ibm.com)>

Cc: containers@lists.osdl.org

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kernel/fork.c | 9 +++++++--

1 files changed, 7 insertions(+), 2 deletions(-)

Index: lx26-20-rc2-mm1/kernel/fork.c

```
=====
--- lx26-20-rc2-mm1.orig/kernel/fork.c 2007-01-11 07:18:03.383853328 -0800
+++ lx26-20-rc2-mm1/kernel/fork.c 2007-01-11 07:19:55.550801360 -0800
@@ -1248,8 +1248,13 @@ static struct task_struct *copy_process(
    p->signal->tty = current->signal->tty;
    p->signal->pgrp = process_group(current);
    set_signal_session(p->signal, process_session(current));
-   find_attach_pid(p, PIDTYPE_PGID, process_group(p));
-   find_attach_pid(p, PIDTYPE_SID, process_session(p));
+   if (current->pid) {
+       attach_pid(p, PIDTYPE_PGID, task_pgrp(current));
+       attach_pid(p, PIDTYPE_SID, task_session(current));
+   } else {
+       find_attach_pid(p, PIDTYPE_PGID, process_group(current));
+       find_attach_pid(p, PIDTYPE_SID, process_session(current));
+   }

```

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

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Containers mailing list

Containers@lists.osdl.org

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