
Subject: [RFC][PATCH] Use task_pgrp()/task_session() in copy_process
Posted by [Sukadev Bhattiprolu](#) on Thu, 11 Jan 2007 15:58:16 GMT
[View Forum Message](#) <> [Reply to Message](#)

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.

From: Sukadev Bhattiprolu <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>
Cc: Cedric Le Goater <clg@fr.ibm.com>
Cc: Dave Hansen <haveblue@us.ibm.com>
Cc: Serge Hallyn <serue@us.ibm.com>
Cc: containers@lists.osdl.org

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));
+    }
 }
```

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

Containers mailing list

Containers@lists.osdl.org

<https://lists.osdl.org/mailman/listinfo/containers>
