
Subject: [PATCH 4/5] Remove the likely(pid) check in copy_process
Posted by [Sukadev Bhattiprolu](#) on Tue, 13 Mar 2007 04:44:55 GMT
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From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
Subject: [PATCH 4/5] Remove the likely(pid) check in copy_process

Now that we pass in a struct pid parameter to copy_process()
and even the swapper (pid_t == 0) has a valid struct pid,
we no longer need this check.

Changelog:

Per Eric Biederman's comments, moved this out to a separate
patch for easier review.

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kernel/fork.c | 34 ++++++-----
1 file changed, 16 insertions(+), 18 deletions(-)

Index: lx26-20-mm2c/kernel/fork.c

```
=====
--- lx26-20-mm2c.orig/kernel/fork.c 2007-02-28 15:08:46.000000000 -0800
+++ lx26-20-mm2c/kernel/fork.c 2007-02-28 15:33:20.000000000 -0800
@@ -1249,26 +1249,24 @@ static struct task_struct *copy_process(
 }
 }

- if (likely(p->pid)) {
-  add_parent(p);
-  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;
-   set_signal_session(p->signal, process_session(current));
-   attach_pid(p, PIDTYPE_PGID, find_pid(pgid));
-   attach_pid(p, PIDTYPE_SID, find_pid(sid));
+ add_parent(p);
```

```

+ tracehook_init_task(p);

- list_add_tail_rcu(&p->tasks, &init_task.tasks);
- __get_cpu_var(process_counts)++;
- }
- attach_pid(p, PIDTYPE_PID, pid);
- nr_threads++;
+ 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;
+ set_signal_session(p->signal, process_session(current));
+ attach_pid(p, PIDTYPE_PGID, find_pid(pgid));
+ attach_pid(p, PIDTYPE_SID, find_pid(sid));
+
+ list_add_tail_rcu(&p->tasks, &init_task.tasks);
+ __get_cpu_var(process_counts)++;
+ }
+ attach_pid(p, PIDTYPE_PID, pid);
+ nr_threads++;

total_forks++;
spin_unlock(&current->sighand->siglock);

```

Containers mailing list
Containers@lists.osdl.org
<https://lists.osdl.org/mailman/listinfo/containers>
