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Subject: [PATCH 4/5] Remove the likely(pid) check in copy\_process  
Posted by [Sukadev Bhattiprolu](#) on Thu, 01 Mar 2007 03:58:29 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.

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

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

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

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=====
--- 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->sigband->siglock);

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Containers mailing list

Containers@lists.osdl.org

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

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