
Subject: - remove-the-likelypid-check-in-copy_process.patch removed from -mm tree

Posted by [akpm](#) on Wed, 21 Mar 2007 18:27:51 GMT

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The patch titled

Remove the likely(pid) check in copy_process
has been removed from the -mm tree. Its filename was
remove-the-likelypid-check-in-copy_process.patch

This patch was dropped because it had testing failures

Subject: Remove the likely(pid) check in copy_process

From: Sukadev Bhattiprolu <sukadev@us.ibm.com>

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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Signed-off-by: Andrew Morton <akpm@linux-foundation.org>

kernel/fork.c | 34 ++++++-----

1 file changed, 16 insertions(+), 18 deletions(-)

diff -puN kernel/fork.c~remove-the-likelypid-check-in-copy_process kernel/fork.c

--- a/kernel/fork.c~remove-the-likelypid-check-in-copy_process

+++ a/kernel/fork.c

```
@@ -1237,26 +1237,24 @@ 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->sigand->siglock);
-

```

Patches currently in -mm which might be from sukadev@us.ibm.com are

```

attach_pid-with-struct-pid-parameter.patch
statically-initialize-struct-pid-for-swapper.patch
explicitly-set-pgid-and-sid-of-init-process.patch
use-struct-pid-parameter-in-copy_process.patch
use-task_pgrp-task_session-in-copy_process.patch
kill-unused-session-and-group-values-in-rocket-driver.patch
fix-some-coding-style-errors-in-autofs.patch
replace-pid_t-in-autofs-with-struct-pid-reference.patch

```

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
