
Subject: + remove-the-likelypid-check-in-copy_process.patch added to -mm tree
Posted by [akpm](#) on Thu, 15 Mar 2007 19:54:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

The patch titled

Remove the likely(pid) check in copy_process
has been added to the -mm tree. Its filename is
remove-the-likelypid-check-in-copy_process.patch

*** Remember to use Documentation/SubmitChecklist when testing your code ***

See <http://www.zip.com.au/~akpm/linux/patches/stuff/added-to-mm.txt> to find out what to do about this

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.

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>

Acked-by: Eric W. Biederman <ebiederm@xmission.com>

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->sigband->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
remove-the-likelypid-check-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.osdl.org

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